MINUTES

JOINT COMMITTEE ON STATE BUILDING CONSTRUCTION

November 10, 2010
Room 144-S—Statehouse

Members Present

Senator Dwayne Umbarger, Chairperson
Representative Jo Ann Pottorff, Vice-chairperson
Senator Pat Apple
Senator Marci Francisco
Senator Laura Kelly
Representative Steve Brunk
Representative Bill Feuerborn
Representative Bob Grant
Representative Mitch Holmes

Member Absent

Senator Jay Emler

Staff

Audrey Dunkel, Kansas Legislative Research Department
Dylan Dear, Kansas Legislative Research Department
Amy Deckard, Kansas Legislative Research Department
Jim Wilson, Office of the Revisor of Statutes
Jill Wolters, Office of the Revisor of Statutes
Daniel Yoza, Office of the Revisor of Statutes
Gary Deeter, Committee Secretary

Conferees

Don Jordan, Secretary, Kansas Department of Social and Rehabilitation Services
Richard Gaito, Deputy Director, Division of Facilities Management, Kansas Department of Administration
Paul Stewart, Director of Facilities Planning, Pittsburg State University
Dana Cunningham, Director of Facilities Planning, Fort Hays State University
John Gist, Director of Facilities Planning, Wichita State University

Ray Hauke, Vice-president, Administration and Fiscal Affairs, Emporia State University
Abe Fattaey, Director of Facilities Planning, Kansas State University
Jim Modig, Director of Design and Construction Management, University of Kansas
Don Rau, Director of Facilities Management, University of Kansas Medical Center
Eric King, Director of Facilities, Kansas Board of Regents

Other Attending

See attached sheet.

The Chairperson called the meeting to order at 9:09 a.m.

Responding to a previous meeting's question about the wisdom of the state leasing or owning a building in Overland Park, Don Jordan, Secretary, Kansas Department of Social and Rehabilitation Services (SRS), reviewed the issue as it applied to the agency (Attachments 1 and 2). He noted that the state owns about two million square feet dedicated to state hospitals; the hospitals operate 24/7, and the physical environment is an integral part of patient care. However, he said, a significant amount of resources (18 percent) must be devoted to physical plant operations; in addition, maintenance and renovation consume additional funds. As a contrast, he said that SRS's field operations need to be more flexible. Mr. Jordan noted that field offices, previously located in all 105 counties, have been reduced to 49 offices. Further, he said that SRS has developed a sophisticated leasing process built on long-term relationships with builders and landlords, allowing custom designs to best meet the agency's varying needs. As an example, he cited the Overland Park lease cost of $9.10 per square foot (psf), an exceptionally low price for Johnson County.

Responding to questions, Mr. Jordan replied that 15- to 20-year leases have never been a problem for the agency, even though the agency has pared its full-time-equivalent (FTE) staff from 12,000 to 6,000. He noted that the upfront costs for a five-year lease are about the same as those for a 15-year lease.

Richard Gaito, Deputy Director, Division of Facilities Management, Kansas Department of Administration, presented three other leases for the Committee's approval (Attachments 3, 4, and 5). He stated that the proposed lease for the Legislative Post Audit (LPA), which reduces the total lease costs from $17.01 psf to $13.33 psf, resulted from phasing out the school audit team (from 27 to 22 FTE), allowing the agency to move from two levels to one level in the building. Any increases in the full-service, five-year lease are capped at $3,000, and LPA will bear remodeling costs of about $15,000. Although the per-FTE space exceeds the recommendation, the lease is within market range for the capitol complex area. The space received an energy-star rating of 65; to improve the energy score, the landlord will install an energy-management system and energy-efficient exterior lighting. The Department of Administration will conduct an energy audit in July 2012. *The Committee passed the lease as reviewed favorably by the Committee. (Motion by Representative Pottorff and second by Representative Holmes)*

The Committee passed the SRS lease in Overland Park as reviewed favorably by the Committee. (Motion by Senator Franscisco and second by Representative Grant)

Regarding the proposed lease for the Kansas Department of Revenue (KDOR) in Olathe, Mr. Gaito explained that the agency was combining the driver's license office and the commercial driver's

license office; the proposed full-service lease of $12.54 psf is below the average lease rate for Johnson County. Because the space received an energy-star rating of 62, the landlord has agreed to revamp the energy system, upgrade the heating, ventilation, and air-conditioning systems (HVAC), and submit to a new energy audit in 2012. *The lease was passed as reviewed favorably by the Committee. (Motion, Representative Feuerborn; seconded by Representative Grant)*

Mr. Gaito presented a proposed lease for the Kansas Department of Corrections' (KDOC) office in Lawrence. Two bidders responded to the Request for Proposal. The lowest-total-cost lease was rejected because of proximity to a drinking establishment and because of vandalism in the area. The proposed lease will add about $2,000 to the per-year cost. The psf-lease cost of $14.72 includes agency payment for utilities and trash pickup. No energy audit was performed, since additional space, previously storage, had no utility records. An energy audit will be performed in February 2012. If the audit does not reflect an energy-star rating of 75, the landlord will pay all utility costs.

Answering questions, Peggy Lero, Parole Director, KDOC, explained that an increase beyond the space standards is necessary for holding meetings with parolees; currently, some meetings must be held in the lobby, an exigency which requires closing the office temporarily. Further, she noted that staff training often must be done in hotel conference rooms, since the current office has no large meeting facilities. A member expressed concern that the new lease nearly doubles the square-foot space. *The lease was passed favorably by the Committee with a vote of 8-1. (Motion by Representative Pottorff and seconded by Senator Francisco)*

Mr. Gaito, noting that several state agencies lease space in the Jayhawk Towers in Topeka, referenced a statement of energy performance (Attachment 6); he said that the landlord is upgrading the HVAC systems to bring the energy rating to the recommended 75.

Paul Stewart, Director of Facilities Planning, Pittsburg State University, updated the Committee on the University's deferred maintenance and capital improvements projects (Attachment 7). He commented on the maintenance projects in Porter Hall, Grubbs Hall, Yates Hall, and parking improvements. He listed on-going renovations: JHO Student Center, Trout Hall, new student housing, Whitesitt Hall windows, and Kelce Center windows. Regarding future projects, he said that the University House (the President's residence) can be demolished and a more functional residence constructed for nearly the same cost as renovating the current residence. Other future projects include renovating Weede Hall, expanding the JHO Student Center, expanding the Kansas Technical Center, and constructing a Fine and Performing Arts Center and a College of Business Conference Center.

Answering questions, Mr. Stewart replied that:

- There is a waiting list for student housing;
- Construction of a new University House will be funded with private monies;
- The new University House will have a separate residential area and the building will be more versatile;
- The cost of a new structure is within $500,000 of renovation costs for the current building; and
- The schedule is to demolish the present structure in the spring of 2011 and begin construction in July 2011.

Dana Cunningham, Director of Facilities Planning, Fort Hays State University, noting that most projects previously submitted have been completed, reviewed current capital improvement projects (Attachment 8), which include campus electrical improvements ($2 million), McMindes Hall window replacements ($1.3 million), parking improvements, and a 50,000-square-foot, $4 million indoor practice facility (Attachment 9).

John Gist, Director of Facilities Planning, Wichita State University, presented the University's long-term maintenance and capital improvements projects (Attachment 10). After noting completed projects, he listed ongoing projects: replace the HVAC systems in Duerksen Fine Arts Center and Grace Wilkie Hall, as well as making parking lot improvements. He commented that the current economic climate has resulted in bids significantly lower than estimates. Regarding the $2.5 million renovation of the biological core laboratories in Hubbard Hall, he said that a National Institute of Health grant is providing some funding; the NIH may provide a further grant for equipment (Attachment 11). Noting Phase V of the improvements to Eck Stadium, he stated that the $6.8 million project is funded entirely by private gifts, as is construction of the $6.4 million facility housing the Advanced Education in General Dentistry Clinic; the building will be ready for occupancy on July 6, 2011. Mr. Gist commented on the Rhatigan Student Center project, a 35,000-square-foot, $28.4 million expansion and renovation funded by revenue bonds and paid for by an increase in student fees (Attachment 12). He also noted the completion of a small building on the 330-acre Ninnescah Biological Research Facility.

Ray Hauke, Vice-president, Administration and Fiscal Affairs, Emporia State University, outlined the five-year deferred maintenance projects, privately funded projects, and other future projects (Attachment 13). He noted the current favorable bidding climate and the assistance of federal American Recovery and Reinvestment Act (ARRA) funds. He listed the completed projects and reviewed current and future projects: various renovations, the $25 million renovation of the Memorial Union (funded by student fees and revenue bonds), parking lot improvements, and the lease of the Metro Learning Center in Overland Park for 9,500 square feet of classrooms. He also commented on the need to renovate or relocate the Stormont Maintenance Facility (cost estimate $8-$10 million), to renovate the William Allen White Library, and to remodel or replace the Morse Residential Complex (cost estimate, $8-$12 million). Responding to a question, Mr. Hauke replied that, along with other energy-savings measures, the new HVAC systems have saved $175,000 during the past year. Mark Runge, Director of Facilities, replied that the Physical Education building roof is 40 years old and has an eight-inch pitch.

Abe Fattaey, Director of Facilities Planning, Kansas State University, summarized the university's on-going capital improvements projects (Attachment 14):

- The Aeronautical Center at KSU-Salina was recently purchased for $165,396;
- The multi-year, $102 million Jardine demolition/reconstruction project bonds will be repaid from Housing revenues;
- Bonds for a scaled-down expansion/upgrade of the Bramlage Coliseum and Bill Snyder Family Stadium (about $22 million) will be repaid from athletics revenue and private gifts;
- Funds required for relocation to accommodate the National Bio- and Agro-Defense Facility (NBAF) (about $18.6 million) will be provided from federal sources;

- The Justin Hall addition ($5 million) and the $5.3 million expansion of the Large Animal Research Center will be funded from private gifts; and

- The East Memorial Stadium renovation, a $17 million, multi-year project, will be privately funded, as will construction of the Equine Education Center ($15 million).

Mr. Fattaey also listed projects awaiting legislative approval or funding, or both:

- Parking improvements on the Manhattan and Salina campuses, funded from parking revenues ($600,000);

- Kramer and Derby dining improvements, a multi-year project using Housing revenues ($35 million);

- Further bonding authority for the Bramlage Coliseum and Bill Snyder Family Stadium, Phase II;

- Construction of a Sheep and Meat Goat Center, funded by private gifts and University fees ($1.8 million)

- Construction of a Veterinary Medicine Large Animal Holding Building, funded by private gifts and University fees ($11.8 million);

- Remodeling the Veterinary Medical Teaching Hospital Surgery Suite, paid for by hospital revenue ($2.34 million);

- Renovation of the Chemical Engineering Lab Space ($2 million), funded by ARRA and Sponsored Research Overhead;

- West Hall upgrade, a $1.2 million project funded from Housing System monies;

- Construction of a Grain Science Center Feed Mill ($13 million), with private funding anticipated;

- Remediation of the Old Chemical Waste Landfill ($4 million), financed by Sponsored Research Overhead and bond funds; and

- Construction of a Southeast Research-Extension Center, a $2 million, 12,000 square foot project funded by fees and gifts.

Members asked a number of questions, to which Mr. Fattaey replied:

- The Large Animal Holding Facility will provide quarantine space for sick animals;

- In order to use American Recovery and Reinvestment Act (ARRA) funds for the Chemical Engineering Lab Space, the project must be completed in 2011;

- Regarding the Grain Science Center, if NBAF funds are not available, other funds (about $12 million) can be accessed through the Kansas Department of Agriculture and Homeland Security; and

- Leaking barrels have contaminated the chemical waste landfill. The soil will be removed and new soil backfilled so that the site can continue to be used.

Jim Modig, Director of Design and Construction Management, University of Kansas, provided a capital improvements update (Attachment 15):

- Utility tunnel improvements have been completed, partially through use of ARRA funds;
- Wescoe Hall improvements, a two-year project, were completed in July 2009;
- Murphy Hall electrical improvements will be completed by September 2011;
- Phase One of the Pharmacy Teaching and Administrative Building construction ($45.6 million) was completed this fall (2010);
- Construction of the Business, Engineering, Science, and Technology Building ($25 million) on the Edwards campus will be completed in November 2011;
- Construction will begin soon on a $21.6 million interdisciplinary building (Measurement, Materials, and Sustainable Environment Center) funded by federal ($12.3 million) and private resources;
- The Nichols Hall Bioinformatics Computing Facility Core Renovation and Improvement project, currently under design, is being funded by the National Institute of Health with a budget of $4.65 million;
- Preparations for renovation of the Biodiversity Institute housed in Dyche Hall are under way. The $1.5 million project is being funded by the National Science Foundation (Attachment 16);
- The Lied Center Addition of 8,000 square feet ($2.5 million) is being funded by private gifts; and
- Renovation of the Gertrude Sellards Pearson facility ($14.8 million) will be funded by the Kansas Development Finance Authority with revenues pledged from the Housing System fees.

Mr. Modig outlined the University's capital improvements requests for FY 2012:

- Reducing the deferred maintenance backlog, $26.4 million;
- Phase One of a building for cancer research, the Translational Bioscience Research Building ($64 million); and
- Parking repair and improvements ($800,000).

Don Rau, Director of Facilities Management, University of Kansas Medical Center (KUMC), briefed the Committee on KUMC's capital improvements (Attachment 17):

- Renovation of the Clinical Trials Center, $22 million, scheduled to begin in December 2010 and be completed within a year;

- Patient parking for the new Medical Office Building and Orthopedic Center, $9.1 million, funded by parking revenue bonds;

- Construction of the Medical Office Building, an $85 million structure funded by hospital bonds;

- Expansion of the Wichita School of Pharmacy, $3.8 million, funded by revenue bonds and currently $800,000 under budget;

- Breidenthal Project, a research building constructed by the KUMC Research Institute to take viable research projects to market, $5 million (Deferred maintenance adds an additional $1.6 million to the project.); and

- Renovation of Wahl Hall East/West/Hixon, an additional project by the Research Institute to recruit researchers in order to achieve the National Cancer Institute designation, $34 million, with an additional $8 million for deferred maintenance.

Mr. Rau noted three capital improvements requests included for the FY 2012 budget: deferred maintenance at the Applegate Energy Center ($5.2 million), at the Animal Research buildings ($800,000), and at the Lied Biomedical Building ($800,000).

Answering a question, Mr. Rau replied that the pharmacy expansion in Wichita will be completed in June 2011, in time for the fall classes.

Eric King, Director of Facilities, Kansas Board of Regents, provided the Regents' deferred maintenance second- and third-quarter reports; he stated that $51 million had been expended from the State General Fund and $10 million from interest earnings, and that, of the $20 million bonding authority authorized, $14.5 million had been expended among the 19 community colleges, the five technical colleges, Washburn University, and the six state universities (Attachments 18 and 19). He added that funding from tax credit donations went primarily to the Pickens Hall project at Fort Hays State University. Mr. King commented that the Regents discussed the operative statements of the deferred maintenance statute, especially the prohibition of funding for a university president's or chancellor's residence and for any athletic building that does not directly support the delivery of academic pursuits.

Mr. King responded to members' questions. He replied that all ARRA monies ($43 million in the past three years) have gone to deferred maintenance; the funds have filled gaps in the deferred maintenance program and have helped reduce the backlog. Members discussed extensively with Mr. King the statutory basis for deferred maintenance funding (KSA 79-32,261), specifically, the stipulation that the funds must be used for buildings that expressly support academic purposes. Noting that student union buildings now partially support academic programs and that gymnasia are used for physical education, members discussed whether or in what ways the statute might be broadened. Regarding tax credit donations, Audrey Dunkel, KLRD, replied that a donor receives a 50 percent tax credit unless the donation goes to technical or community colleges; donations to the latter allow a 60 percent tax credit. Members requested that the Office of the Revisor of Statutes staff draft legislation addressing these concerns for the Committee to consider at the December meeting.

The Chairperson noted receipt of reports from the Kansas Department of Administration regarding approved change orders less than $125,000 (Attachments 20 and 21).

The meeting was adjourned at 3:00 p.m. The next meeting is scheduled for Wednesday, December 15, 2010, Statehouse.

Prepared by Gary Deeter
Edited by Audrey Dunkel

Approved by the Committee on:

December 15, 2010
(Date)

KANSAS

DEPARTMENT OF SOCIAL
AND REHABILITATION SERVICES

Don Jordan, Secretary

Joint Committee on State Building Construction
November 10, 2010

Office Space Management

Secretary Don Jordan

For Additional Information Contact:
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Docking State Office Building, 6th Floor North
(785) 296-3271

Attachment 1
JCSBC 11-10-10

KANSAS
DEPARTMENT OF SOCIAL
AND REHABILITATION SERVICES

State Office Space Management

Joint Committee on State Building Construction
November 10, 2010

Chairman Umbarger and members of the committee, thank you for the opportunity to discuss SRS' Overland Park lease and the topic of leasing or purchasing buildings. At your meeting in August, the Overland Park lease was presented to the committee. After initially approving the lease, the Committee reconsidered its action and asked for additional information. Specifically, the Committee requested a cost-benefit analysis comparing the lease cost with the cost to buy this particular building; the cost to purchase another building that would meet the agency's needs; and the cost for the agency to build a building to meet its needs. I am here today to ask you to approve the Overland Park lease.

Leasing vs. Purchasing State Office Space

Before discussing the specifics of the Overland Park lease, I want to offer a few observations from my own experiences in state government regarding leasing or purchasing. As you know, SRS does own and manage property at our state hospital campuses, and we take that responsibility seriously. Our state hospitals are 24/7 operations and ownership makes sense at those campuses because of the direct connection between the physical environment and patient care. The buildings are integral to the entire operation of the state hospitals, making it difficult to rely on leasing arrangements. One thing we do know from our experience at our state hospitals is that a significant amount of resources must be devoted to physical plant operations and a specific level of expertise must be developed. At our state hospitals, more than 18 percent of the operating budgets are comprised of funding associated with the physical plant. In addition to normal operating costs, we also know that repair, rehabilitation and renovation must be an ongoing focus to ensure the physical environments are maintained in a way that supports health, safety and quality of care. We are fortunate at the state hospitals to have a dedicated funding source for ongoing capital improvements, the State Institutions Building Fund, which is paid through a portion of state property tax mill levies. Even with this dedicated source of funding, it remains very difficult to keep up with the maintenance and rehabilitation needs. The state hospitals currently have over $16 million in outstanding maintenance, repair and major renovation projects.

While ownership of property is something we really must do at our state hospital campuses, we have pursued other avenues for our field operations. If the agency were to pursue ownership of our field office buildings, we would have to recreate the same type of operational capacity and expertise in our central office as well as in our larger field offices. This would include adequate staff resources with expertise in facilities operations to oversee maintenance staff and contracts for building repairs and services. It would also be essential to have an identified source of funding set aside for ongoing repair, rehabilitation and renovation.

Since the mid-to-late 1980s, SRS has committed to addressing our office space needs through lease arrangements. We have developed a strong expertise in lease procurement and management that allows the agency to secure

specialized facilities expertise through our landlords. We believe our current arrangement of working with landlords to address physical structure and maintenance needs serves us and the state well. We manage our relationships with our landlords carefully and maintain a healthy partnership that leverages the strengths of both SRS and the landlords, and that is cost-effective for SRS and the state. The analysis that SRS secured regarding Overland Park lease options supports that this is a cost-effective approach.

Background on Overland Park Lease

The lease presented to the Committee at its August meeting provided for a 15 year lease beginning July 1, 2011 at a fixed rate of $9.96 per square foot, along with a five year renewal option at the same rate. The proposal selected is for the current office site and was the lowest total cost of all proposals, and a modest increase from the current base lease rate of $9.10. Other proposals submitted in response to the RFP ranged from $18.84 to $21.23 per square foot.

As discussed at your August meeting, the lease is also a good value for the organization because of the improvements the landlord has agreed to make. The proposed rate includes the construction of 14 enclosed interview rooms and relocation and remodeling of the reception and waiting room. It also includes the construction of 20 enclosed supervisor offices and restroom remodeling. Also, data and phone wiring will be upgraded and an HVAC unit will be installed in the telecommunications room. The proposed lease also includes significant energy improvements to increase the energy rating of the building. These include: reroofing the existing facility and upgrade of the roof insulation to R28 value; replacement of all exterior facility windows with energy efficient double pane low-E glass; replacement and installation of new electronic light ballasts and T-8 lams for all light fixtures; and the installation of night setbacks for HVAC units. To ensure the energy improvements are resulting in increased efficiency, the Department of Administration will request a new energy audit in 2012. These energy improvements and the previously stated building improvements total $965,000 and were negotiated into the base lease rate amount.

KANSAS
DEPARTMENT OF SOCIAL
AND REHABILITATION SERVICES

Committee Request for Additional Information

SRS contracted with Jones Lang LaSalle to prepare a cost benefit analysis identifying the cost to purchase and renovate another building that would meet the agency's needs and the cost for the agency to purchase land and build a building to meet its needs. The cost to purchase the specific building in the lease was not included, because the landlord has no interest in selling the building. The full report is included as an attachment to this testimony. The analysis spans a period of thirty years and studies the market and factors in typical construction costs and building operational costs. In comparison, the cost to execute the lease proposed by the current lessor will cost on average $13.30 per square foot; while the cost to purchase an existing building and renovate is estimated to cost between $18.14 and $18.39 per square foot and the cost to purchase land and construct a building is estimated to be $20.72 per square foot.

Proposed 15 Year Lease		30 Year Cost Analysis Comparisons			
		Current Building	Purchase-Renovate	Purchase-Renovate	Purchase-New Build
Annual Cost per Sq Ft.	$12.07	$13.30	$18.14	$18.39	$20.72
Annual Cost	$608,629.75	$670,652.50	$851,310.20	$1,048,910.43	$1,044,806
Total Cost	$9,129,446	$20,119,575	$25,539,306	$31,467,312.90	$31,344,180

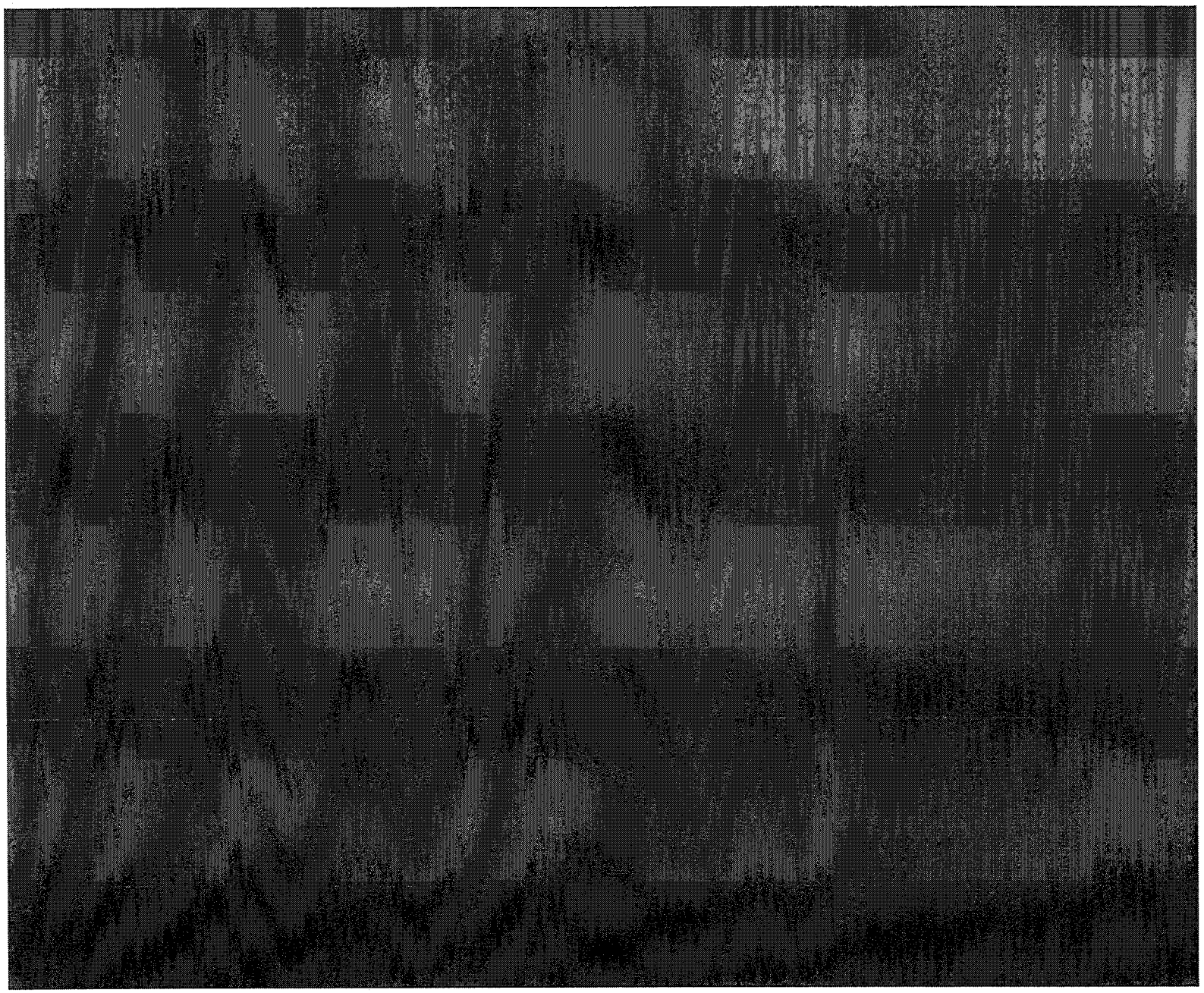
Based on the committee's request the analysis concluded the cost to purchase an existing building and renovate or to purchase land and build a building would not be cost-effective and would not allow SRS to financially break even over the thirty year period compared to the lease that was presented to this Committee in August. I would respectfully request that the committee approve the Overland Park lease. The lease will meet the needs of the agency for many years and is a good value for the state. Thank you.

JONES LANG LASALLE®

Real value in a changing world

Acquisition/Construction Cost Analysis
State of Kansas | Department of Social and Rehabilitation Services
Overland Park – Johnson County, KS
November 4, 2010

Attachment 2
JCSBC 11-10-10



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1. Executive summary

Overview

The State of Kansas is seeking a facility to house the Department of Social and Rehabilitation Services – Overland Park Service Center. The following discussion represents a cost analysis for the relocation of 50,425 square feet of usable space and 289 parking spaces in the Overland Park, KS market.

The analysis conducted by Jones Lang LaSalle compares the total costs of the State's options to purchase and renovate an existing building in the Overland Park market, or to purchase vacant land and construct a new building.

Methodology

The current landlord for SRS has proposed a 15-year lease at $9.96 per square foot for base rent, plus expenses of $2.11 per square foot. This lease proposal is used as the "base case" while three other options are analyzed to determine which course of action is the most economically advantageous to the State.

Each scenario is evaluated based on a 30-year cash flow analysis, after which, a final average annual cost per square foot is determined. Then, the break even point is calculated, which is the year in which purchasing or constructing a building becomes financially more advantageous.

Assumptions

Two existing buildings were identified that are currently for sale in Overland Park and could accommodate the State's requirement. Each building is assumed to be purchased (at 90% of asking price) and renovated according to the program of requirements provided by the State. Tenant improvement costs are calculated to be $35 per USF. In addition, each of these properties would require additional parking to be added, at an estimated cost of $750 per space, to meet the minimum required.

A third option is to purchase vacant land and construct a new building for the department's use. Land costs in Overland Park are estimated to be $5.50 per square foot, based on comparable sales. In order to accommodate a 50,000 SF building, plus 289 parking spaces, a minimum of 5.0 acres of land is required. Also, based on current material and labor rates, it is estimated to cost $125.00 per square foot to build a shell building. Interior tenant improvements are again built out to the department's program of requirements.

Other costs associated with re-locating include physical move costs (estimated at $4.50 per SF of the Department's current space), voice and data move costs (estimated at $3.00 per RSF), and security upgrades (estimated at $2.50 per RSF).

1. Executive summary - continued

Analysis

The analysis uses a hold period of thirty years, which is generally accepted as a sufficient amount of time to determine the economic impact of a real estate investment decision. Since the lease proposal is only for fifteen years, the analysis assumes a fifteen year renewal with a 10% increase in base rent in Year 16.

After construction and acquisition costs, annual operating costs are calculated for each scenario. The lease option's operating costs are based on the actual proposal from the landlord. The other options are based on prevailing market data for the Overland Park market. Annual operating costs are estimated to escalate each year by 2.5% in all scenarios.

In no case is real estate taxes factored in and insurance costs are based off the State's actual insurance rates. The cost of capital for the three buy and/or build scenarios are based on an estimated cost of the State's bond issue of 4.5%.

A residual sale of each of the buildings, either purchased or built, is also calculated at the end of Year-30. The cash in-flows from the residual sale is then added to the annual cash out-flows from operating costs and the cost to initially acquire and/or construct the buildings. The total cash flow calculation then results in the total average annual costs and the average annual costs per square foot.

II. Cost Analysis Matrix

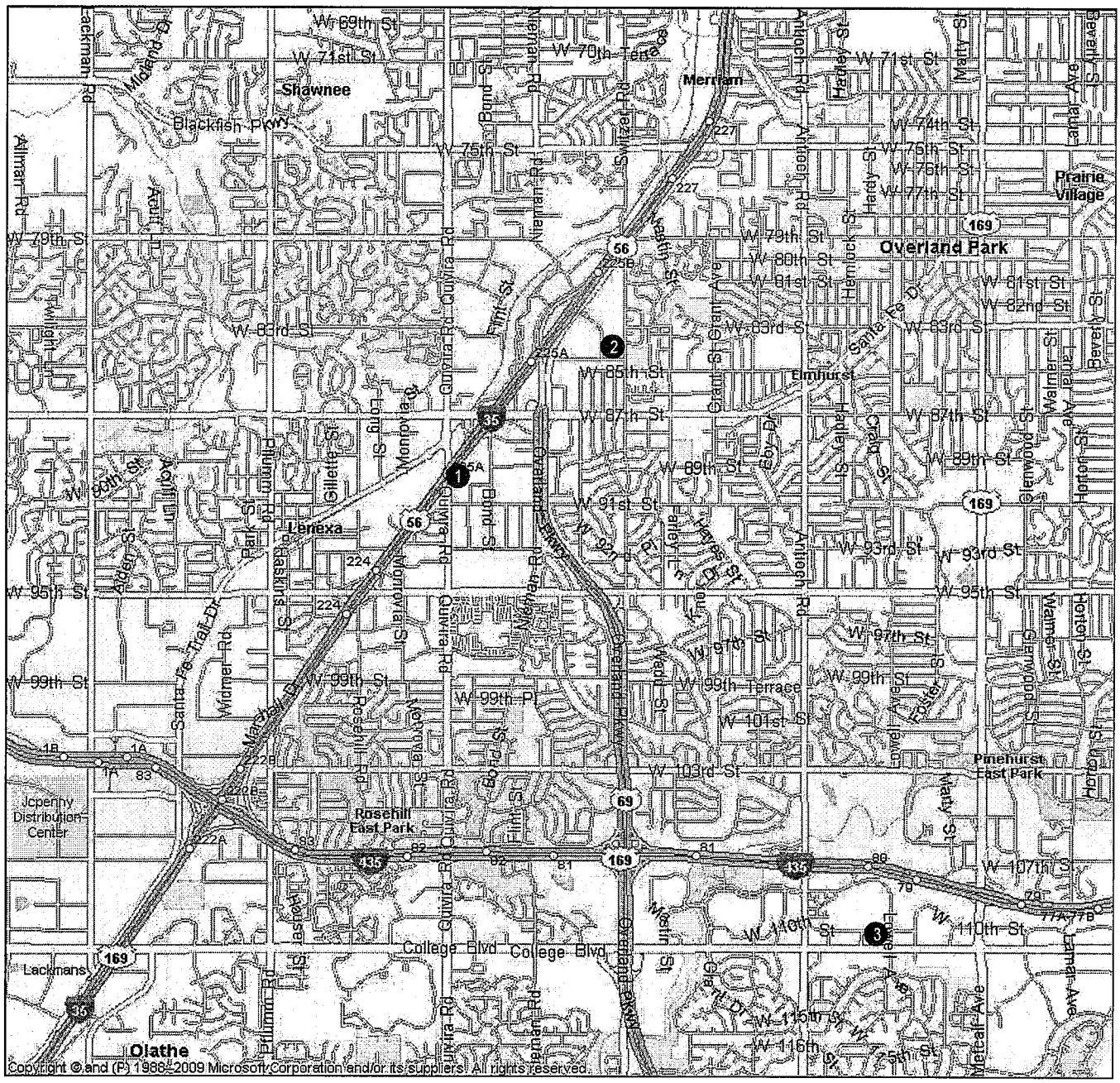
The calculations and assumptions are displayed on the chart below:

Jones Lang LaSalle — Cost/Benefit Analysis: Acquisition of Approximately 50,000 Usable Square Feet (USF) vs. Lease Option — 30-Year Analysis	Current SRS Building 8915 Lenexa Drive (50,425 RSF)	Eight Pine Ridge 10310 W. 84th Terrace (46,930 RSF)	7900 College Building 7900 College Boulevard (57,037 SF)	5.0 Acres of Land Overland Park, KS (50,425 SF)
Initial Acquistion, Construction and Move Costs				
Purchase Price (90% of asking)	N/A	$ 5,175,000.00	$ 6,075,000.00	$ 1,197,900.00
Building Purchase Price per SF	N/A	$ 110.27	$ 106.51	N/A
Land Price per SF	N/A	N/A	N/A	$ 5.50
Base Rent				
Shell Rental Rate per SF	$ 9.96	N/A	N/A	N/A
Base Rent on Lease Option Only	$ 502,233.00	N/A	N/A	N/A
Construction and Move Costs				
Cost of Core & Shell Construction ($125.00 per RSF, incl soft costs)	N/A	N/A	N/A	$ 6,303,125.00
Additional Parking Costs ($750 per space)	N/A	$ 18,000.00	$ 54,000.00	$ -
New Tenant Improvements ($35.00 per RSF, based on program of requirements)	N/A	$ 1,642,550.00	$ 1,996,295.00	$ 1,764,875.00
Cost of Physical Move ($4.50 per existing SF)	N/A	$ 226,912.50	$ 226,912.50	$ 226,912.50
Voice and Data move ($3.00 per RSF)	N/A	$ 140,790.00	$ 171,111.00	$ 151,275.00
Security Upgrade ($2.50 per RSF)	N/A	$ 117,325.00	$ 142,592.50	$ 126,062.50
Total Initial Construction and Move	$ -	$ 7,320,577.50	$ 8,665,911.00	$ 9,770,150.00
Annual Operting Expenses (no real estate taxes)				
Insurance (est. at $0.20 per $1,000 of value)	$ -	$ 1,051.68	$ 1,234.58	$ 1,524.38
Utilities ($1.55 per SF)	$ 78,158.75	$ 72,741.50	$ 88,407.35	$ 78,158.75
Repairs/Maintenance ($1.00 per SF)	$ -	$ 46,930.00	$ 57,037.00	$ 50,425.00
Cleaning ($1.00 per SF)	$ 22,691.25	$ 46,930.00	$ 57,037.00	$ 50,425.00
Landscaping/Snow Removal ($0.45 per SF)	$ 5,546.75	$ 21,118.50	$ 25,666.65	$ 22,691.25
Capital Reserve Fund ($2.00 per SF)	$ -	$ 93,860.00	$ 114,074.00	$ 100,850.00
Average Annual Cost of Capital	$ -	$ 205,402.30	$243,149.95	$274,132.92
Total				
Total Average Annual Costs (including acquisition costs, rent, operating costs and residual sale at the end of Year 30)	**$ 670,492.32**	**$ 863,031.38**	**$ 1,034,636.06**	**$ 1,044,794.16**
Total Annual Average Cost per RSF	**$ 13.30**	**$ 18.39**	**$ 18.14**	**$ 20.72**
Break Even Point				
Year in Which the State Breaks Even on Purchase	**N/A**	**After Year 30**	**After Year 30**	**After Year 30**

III. Buildings For Sale

Buildings For Sale

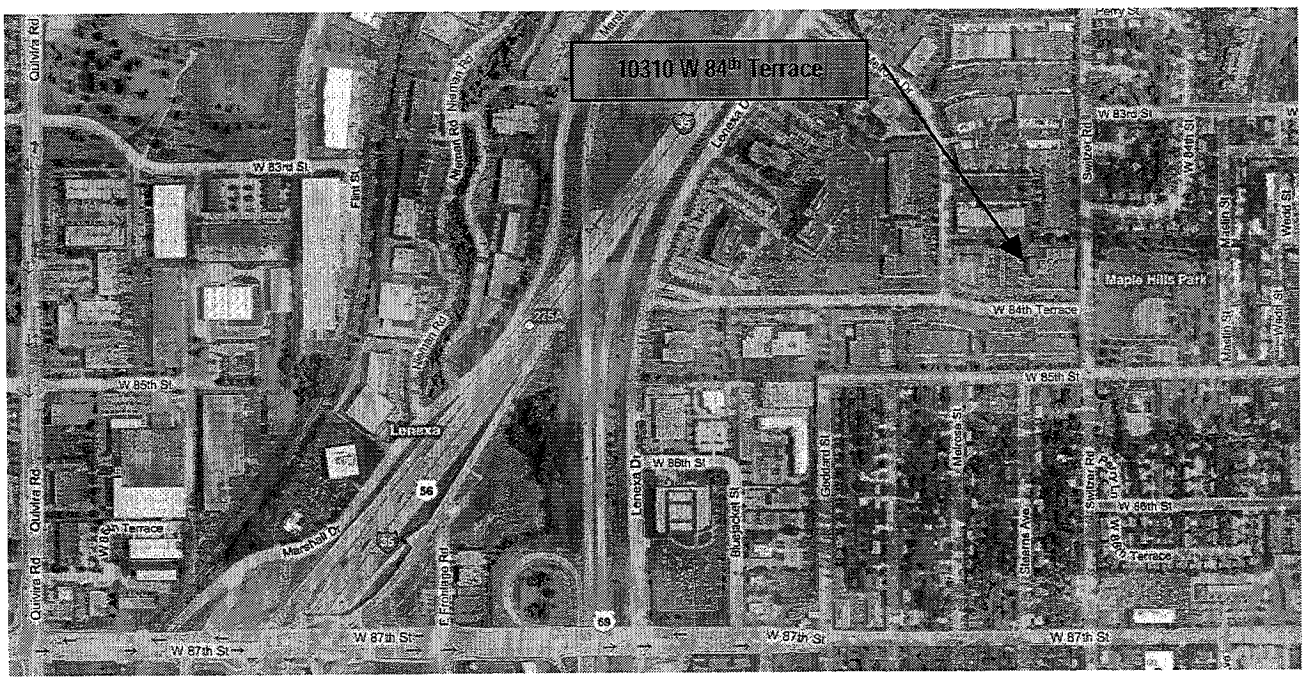
	Building Name	Building Address	Building Class	RSF	Leased	Year Built / Renovated	Parking Ratio	Number of Stories	Land Area
1	SRS Building	8915 Lenexa Drive	B	50,425	100%	1968	5.0/1,000	One	4.74 acres
2	Eight Pine Ridge	10310 W 84th Terrace	B	46,930	0%	1984	5.3/1,000	Two	4.37 acres
3	7900 College Building	7900 College Boulevard	B	57,037	0%	1983	3.8/1,000	Two	3.08 acres

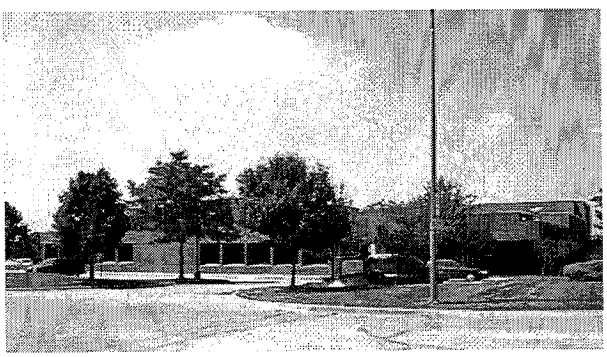


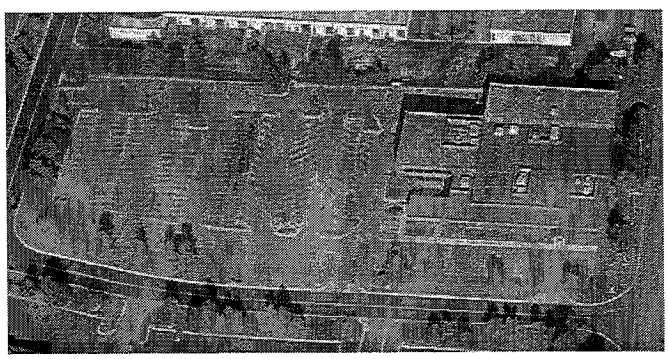
IV. Property overview – Eight Pine Ridge

Eight Pine Ridge consists of 46,930 square feet in a two story building located at 10310 W. 84th Terrace, Lenexa, Kansas. It is well positioned in the North Johnson County submarket with excellent access to I-35.

10310 W 84th Terrace Building Information – At a glance	
Building Class	B
Total Building Rentable Area	46,930
Number of Stories	2
Year Built	1984
Parking	265 surface parking spaces (5.3/1,000 rsf)



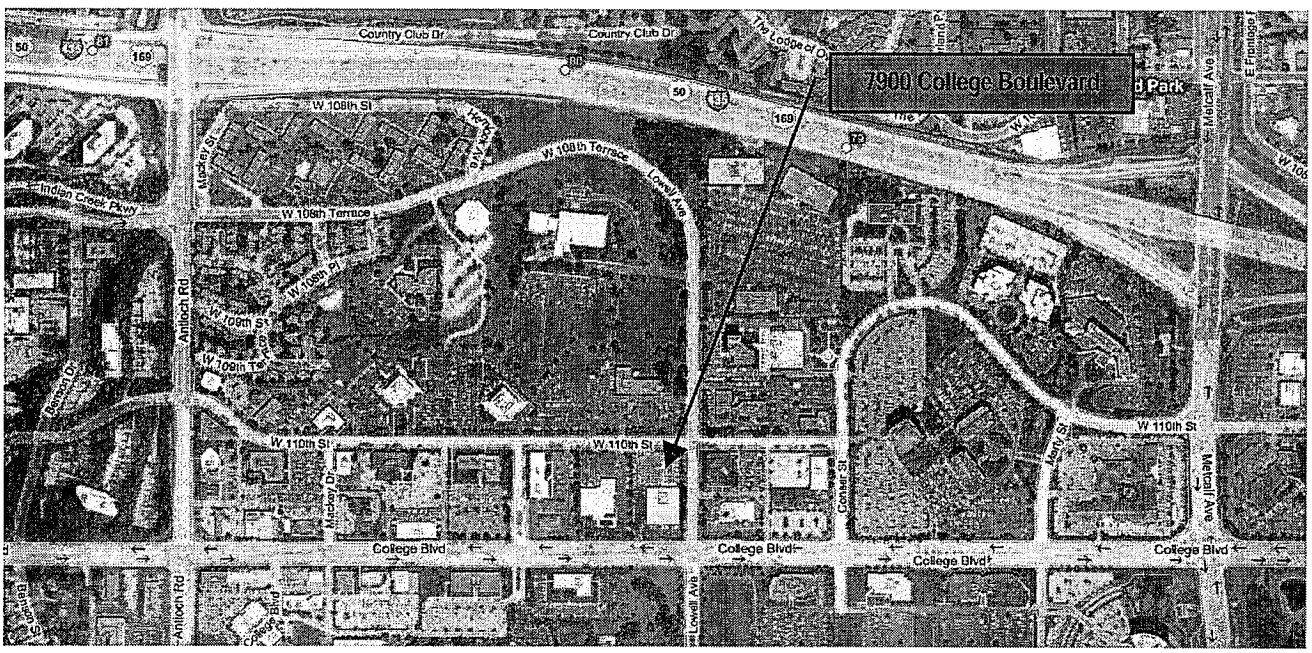


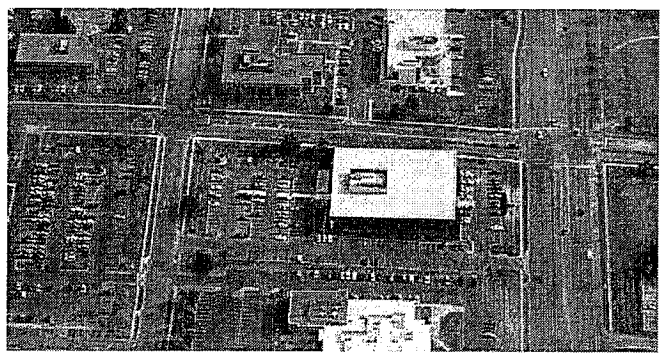


V. Property overview – 7900 College Building

The 7900 College Building consists of 57,037 square feet in a two story building located at 7900 College Boulevard, Overland Park, Kansas. It is well positioned in the heart of the College Boulevard Corridor with great access to I-435 at the new Antioch interchange.

7900 College Boulevard Building Information – At a glance	
Building Class	B
Total Building Rentable Area	57,037
Number of Stories	2
Year Built	1983
Parking	217 surface parking spaces (3.8/1,000 rsf)





2-8

VI. Conclusion

Based on an analysis of the market and factoring in typical construction costs and building operations costs as noted above, it is concluded that the cost to execute the lease proposed by the current Lessor will cost on average **$13.30 per RSF per year** over 30 years.

In addition, the cost to purchase and renovate a building is estimated to cost between **$18.14 and $18.39 per RSF per year** and the cost to purchase vacant land and construct a built-to-suit building is estimated to be **$20.72 per RSF per year**.

Based on these conclusions, no scenario will allow the State to break even on its leasing costs before Year 30. The primary reasons for this conclusion are 1) the low initial base rent of $9.96 per SF; 2) the constant base rent through 15 years (i.e. no annual escalations), and 3) the low operating costs that the current landlord is passing through to the State as its tenant.

This analysis leads to the recommendation that the State exercise the current landlord's lease proposal at 8915 Lenexa Drive.

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Peter Sellis LEED AP
Vice President | Public Institutions
200 E. Randolph Drive
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Lease Comparison Sheet
Legislative Post Audit

November 10, 2010

	A	B	C	D	E
	GENERAL INFORMATION	**CURRENT LEASE**	**PROPOSED LEASE**	**Other State Leases**	
1	State Agency	LPA	LPA	Kansas State Fire Marshal	Kansas Department of Labor
2	Address	800 SW Jackson	800 SW Jackson	700 SW Jackson	800 SW Jackson
3	City Location (market)	Topeka	Topeka	Topeka	Topeka
4	Building Name or Location (Landlord)	Eigth St. Investment Group	Eigth St. Investment Group	Jayhawk Tower Partners	Eighth St. Investment Group
5	Lease Space (sq. ft.) Office Sq. Ft.	6,127	6,127	7,231	17,408
6	Storage Sq. Ft.	0	0	300	0
7	Total Sq. Ft.	6,127	6,127	7,531	17,408
8	Parking Stalls	21	22	30	72
9	Full Time Equivalency (FTE) employees/workstations	22	22	30	68
10	Lease Begin Date	7/1/2006	7/1/2011	9/1/2009	1/1/2010
11	Lease End Date	6/30/2011	6/30/2016	8/31/2014	12/31/2014
12	Years of Lease	5	5	5	5
13	Space Standards Check (sq. ft. per FTE/workstation)	279	279	241	250
	LEASE COSTS				
14	Base Lease Office Cost (annual per sq. ft.)	$14.75	$10.62	$10.99	$11.77
15	Storage (per square foot)	$0.00	$0.00	$0.00	$0.00
16	Parking	$2.26	$2.37	$0.00	$2.73
17	**Additional Services**				
	AGENCY FUNDED OCCUPANCY COSTS				
18	Real Estate Taxes				
19	Insurance				
20	Major Maintenance				
	Utilities				
21	Electricity				
22	Gas				
23	Water/Sewer/etc.				
24	Trash Pickup/Removal				
25	Custodial/Janitorial				
26	Pest Control				
27	Grounds Maintenance (inc. snow removal)				
28	Parking				
29	**Total Other Bldg Optg Costs (not included in lease)**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
	IMPROVEMENTS				
30	Improvements		$0.34		
31	**Subtotal - Improvements**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
32	**Annual Cost per Sq. Ft. (estimated)**	**$17.01**	**$13.33**	**$10.99**	**$14.50**
33	**Annual Cost (estimated)**	**$104,220**	**$81,673**		
34	**Total Cost of Lease (estimated)**	**$521,101**	**$408,365**		

Attachment 3
JCSBC 11-10-10

OMB No. 2060-0347

STATEMENT OF ENERGY PERFORMANCE
800 SW Jackson

Building ID: 1994946
For 12-month Period Ending: July 31, 2010[1]
Date SEP becomes ineligible: N/A

Date SEP Generated: September 03, 2010

Facility	Facility Owner	Primary Contact for this Facility
800 SW Jackson 800 SW Jackson Topeka, KS 66612	8th & Jackson Investment Group, L.L.C. 201 S Kansas Ave Topeka, KS 66603	Ann Adams 201 S Kansas Ave Topeka, KS 66603

Year Built: 1969
Gross Floor Area (ft²): 141,653

Energy Performance Rating[2] (1-100) 65

Site Energy Use Summary[3]	
Electricity - Grid Purchase(kBtu)	10,096,790
Natural Gas (kBtu)[4]	4,876
Total Energy (kBtu)	10,101,666

Energy Intensity[5]	
Site (kBtu/ft²/yr)	71
Source (kBtu/ft²/yr)	238

Emissions (based on site energy use)	
Greenhouse Gas Emissions ($MtCO_2e$/year)	2,646

Electric Distribution Utility
Westar Energy Inc

National Average Comparison	
National Average Site EUI	84
National Average Source EUI	281
% Difference from National Average Source EUI	-15%
Building Type	Office

Stamp of Certifying Professional

Based on the conditions observed at the time of my visit to this building, I certify that the information contained within this statement is accurate.

Certifying Professional
Ann Adams
201 S Kansas Ave
Topeka, KS 66603

Meets Industry Standards[6] for Indoor Environmental Conditions:	
Ventilation for Acceptable Indoor Air Quality	N/A
Acceptable Thermal Environmental Conditions	N/A
Adequate Illumination	N/A

Notes:
1. Application for the ENERGY STAR must be submitted to EPA within 4 months of the Period Ending date. Award of the ENERGY STAR is not final until approval is received from EPA.
2. The EPA Energy Performance Rating is based on total source energy. A rating of 75 is the minimum to be eligible for the ENERGY STAR.
3. Values represent energy consumption, annualized to a 12-month period.
4. Natural Gas values in units of volume (e.g. cubic feet) are converted to kBtu with adjustments made for elevation based on Facility zip code.
5. Values represent energy intensity, annualized to a 12-month period.
6. Based on Meeting ASHRAE Standard 62 for ventilation for acceptable indoor air quality, ASHRAE Standard 55 for thermal comfort, and IESNA Lighting Handbook for lighting quality.

ENERGY STAR® Data Checklist for Commercial Buildings

In order for a building to qualify for the ENERGY STAR, a Professional Engineer (PE) or a Registered Architect (RA) must validate the accuracy of the data underlying the building's energy performance rating. This checklist is designed to provide an at-a-glance summary of a property's physical and operating characteristics, as well as its total energy consumption, to assist the PE or RA in double-checking the information that the building owner or operator has entered into Portfolio Manager.

Please complete and sign this checklist and include it with the stamped, signed Statement of Energy Performance.
NOTE: You must check each box to indicate that each value is correct, OR include a note.

CRITERION	VALUE AS ENTERED IN PORTFOLIO MANAGER	VERIFICATION QUESTIONS	NOTES	☑
Building Name	800 SW Jackson	Is this the official building name to be displayed in the ENERGY STAR Registry of Labeled Buildings?		☐
Type	Office	Is this an accurate description of the space in question?		☐
Location	800 SW Jackson, Topeka, KS 66612	Is this address accurate and complete? Correct weather normalization requires an accurate zip code.		☐
Single Structure	Single Facility	Does this SEP represent a single structure? SEPs cannot be submitted for multiple-building campuses (with the exception of acute care or children's hospitals) nor can they be submitted as representing only a portion of a building		☐
800 SW Jackson Bldg (Office)				
CRITERION	VALUE AS ENTERED IN PORTFOLIO MANAGER	VERIFICATION QUESTIONS	NOTES	☑
Gross Floor Area	141,653 Sq. Ft.	Does this square footage include all supporting functions such as kitchens and break rooms used by staff, storage areas, administrative areas, elevators, stairwells, atria, vent shafts, etc. Also note that existing atriums should only include the base floor area that it occupies. Interstitial (plenum) space between floors should not be included in the total. Finally gross floor area is not the same as leasable space. Leasable space is a subset of gross floor area.		☐
Weekly operating hours	60 Hours	Is this the total number of hours per week that the Office space is 75% occupied? This number should exclude hours when the facility is occupied only by maintenance, security, or other support personnel. For facilities with a schedule that varies during the year, "operating hours/week" refers to the total weekly hours for the schedule most often followed.		☐
Workers on Main Shift	189	Is this the number of employees present during the main shift? Note this is not the total number of employees or visitors who are in a building during an entire 24 hour period. For example, if there are two daily 8 hour shifts of 100 workers each, the Workers on Main Shift value is 100. The normal worker density ranges between 0.3 and 10 workers per 1000 square feet (92.8 square meters)		☐
Number of PCs	280	Is this the number of personal computers in the Office?		☐
Percent Cooled	50% or more	Is this the percentage of the total floor space within the facility that is served by mechanical cooling equipment?		☐
Percent Heated	50% or more	Is this the percentage of the total floor space within the facility that is served by mechanical heating equipment?		☐
800 SW Parking Garage (Parking)				
CRITERION	VALUE AS ENTERED IN PORTFOLIO MANAGER	VERIFICATION QUESTIONS	NOTES	☑
Gross Floor Area	116,968 Sq. Ft.	Is this the total square footage of the entire parking area (enclosed + nonenclosed + open floor area)?		☐

Enclosed Floor Area	0 Sq. Ft.	Is this the total square footage of the enclosed garage space? An enclosed garage is defined as having both sides and a roof.		
Non-Enclosed Floor Area (w/roof)	93,574 Sq. Ft.	Is this the total square footage of the nonenclosed garage space? This is typically defined as the portion of the garage above ground (contains no sides but is under a roof).		
Open Floor Area (w/o roof)	23,394 Sq. Ft.	Is this the total square footage of the nonenclosed parking area without a roof? This is typically defined as open parking lots or the very top level of an above ground parking garage.		
Weekly Hours of Access	168 Hours	Is this the total number of hours per week when it is possible for a vehicle to enter or exit?		

ENERGY STAR® Data Checklist for Commercial Buildings

Energy Consumption

Power Generation Plant or Distribution Utility: Westar Energy Inc

Fuel Type: Electricity

Meter: Westar (kWh (thousand Watt-hours))
Space(s): Entire Facility
Generation Method: Grid Purchase

Start Date	End Date	Energy Use (kWh (thousand Watt-hours))
07/01/2010	07/31/2010	290,400.00
06/01/2010	06/30/2010	288,600.00
05/01/2010	05/31/2010	232,200.00
04/01/2010	04/30/2010	205,800.00
03/01/2010	03/31/2010	206,400.00
02/01/2010	02/28/2010	225,000.00
01/01/2010	01/31/2010	250,200.00
12/01/2009	12/31/2009	255,000.00
11/01/2009	11/30/2009	225,000.00
10/01/2009	10/31/2009	217,200.00
09/01/2009	09/30/2009	253,800.00
08/01/2009	08/31/2009	309,600.00
Westar Consumption (kWh (thousand Watt-hours))		**2,959,200.00**
Westar Consumption (kBtu (thousand Btu))		**10,096,790.40**
Total Electricity (Grid Purchase) Consumption (kBtu (thousand Btu))		**10,096,790.40**
Is this the total Electricity (Grid Purchase) consumption at this building including all Electricity meters?		☐

Fuel Type: Natural Gas

Meter: KS Gas ONEOK (cf (cubic feet))
Space(s): Entire Facility

Start Date	End Date	Energy Use (cf (cubic feet))
07/01/2010	07/31/2010	10.00
06/01/2010	06/30/2010	10.00
05/01/2010	05/31/2010	49.00
04/01/2010	04/30/2010	75.00
03/01/2010	03/31/2010	763.00
02/01/2010	02/28/2010	1,306.00
01/01/2010	01/31/2010	1,540.00
12/01/2009	12/31/2009	575.00
11/01/2009	11/30/2009	531.00
10/01/2009	10/31/2009	31.00

09/01/2009	09/30/2009	0.00
08/01/2009	08/31/2009	0.00
KS Gas ONEOK Consumption (cf (cubic feet))		**4,890.00**
KS Gas ONEOK Consumption (kBtu (thousand Btu))		**5,031.81**
Total Natural Gas Consumption (kBtu (thousand Btu))		**5,031.81**
Is this the total Natural Gas consumption at this building including all Natural Gas meters?		☑

Additional Fuels	
Do the fuel consumption totals shown above represent the total energy use of this building? Please confirm there are no additional fuels (district energy, generator fuel oil) used in this facility.	☑

On-Site Solar and Wind Energy	
Do the fuel consumption totals shown above include all on-site solar and/or wind power located at your facility? Please confirm that no on-site solar or wind installations have been omitted from this list. All on-site systems must be reported.	☑

Certifying Professional

(When applying for the ENERGY STAR, the Certifying Professional must be the same PE or RA that signed and stamped the SEP.)

Name: _____ Date: _____

Signature: _____

Signature is required when applying for the ENERGY STAR.

FOR YOUR RECORDS ONLY. DO NOT SUBMIT TO EPA.

Please keep this Facility Summary for your own records; do not submit it to EPA. Only the Statement of Energy Performance (SEP), Data Checklist and Letter of Agreement need to be submitted to EPA when applying for the ENERGY STAR.

Facility
800 SW Jackson
800 SW Jackson
Topeka, KS 66612

Facility Owner
8th & Jackson Investment Group, L.L.C.
201 S Kansas Ave
Topeka, KS 66603

Primary Contact for this Facility
Ann Adams
201 S Kansas Ave
Topeka, KS 66603

General Information

800 SW Jackson	
Gross Floor Area Excluding Parking: (ft²)	141,653
Year Built	1969
For 12-month Evaluation Period Ending Date:	July 31, 2010

Facility Space Use Summary

800 SW Jackson Bldg	
Space Type	Office
Gross Floor Area(ft²)	141,653
Weekly operating hours	60
Workers on Main Shift	189
Number of PCs	280
Percent Cooled	50% or more
Percent Heated	50% or more

800 SW Parking Garage	
Space Type	Parking
Gross Floor Area(ft²)	116,968
Enclosed Floor Area	0
Non-Enclosed Floor Area (w/roof)	93,574
Open Floor Area (w/o roof)	23,394
Weekly Hours of Access	168

Energy Performance Comparison

	Evaluation Periods		Comparisons		
Performance Metrics	Current (Ending Date: 07/31/2010)	Baseline (Ending Date: 12/31/2009)	Rating of 75	Target	National Average
Energy Performance Rating	65	61	75	N/A	50
Energy Intensity					
Site (kBtu/ft²)	71	73	64	N/A	84
Source (kBtu/ft²)	238	245	213	N/A	281
Energy Cost					
$/year	$ 273,387.01	$ 282,544.13	$ 244,825.33	N/A	$ 322,382.75
$/ft²/year	$ 1.93	$ 1.99	$ 1.73	N/A	$ 2.28
Greenhouse Gas Emissions					
$MtCO_2e$/year	2,646	2,724	2,370	N/A	3,120
$kgCO_2e$/ft²/year	19	19	17	N/A	22

More than 50% of your building is defined as Office. Please note that your rating accounts for all of the spaces listed. The National Average column presents energy performance data your building would have if your building had an average rating of 50.

Notes:
o - This attribute is optional.
d - A default value has been supplied by Portfolio Manager.

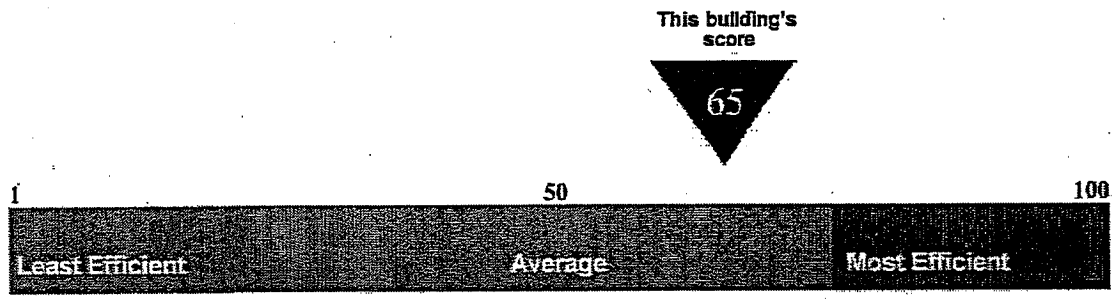
Statement of Energy Performance

2010

800 SW Jackson
800 SW Jackson
Topeka, KS 66612

Portfolio Manager Building ID: 1994946

The energy use of this building has been measured and compared to other similar buildings using the Environmental Protection Agency's (EPA's) Energy Performance Scale of 1–100, with 1 being the least energy efficient and 100 the most energy efficient. For more information, visit energystar.gov/benchmark.



This building uses 238 kBtu per square foot per year.*

*Based on source energy intensity for the 12 month period ending July 2010

Buildings with a score of 75 or higher may qualify for EPA's ENERGY STAR.

I certify that the information contained within this statement is accurate and in accordance with U.S. Environmental Protection Agency's measurement standards, found at energystar.gov

Date of certification

EPA United States Environmental Protection Agency

Date Generated: 09/03/2010

Lea. Comparison Sheet
Revenue - Olathe

November 10, 2010

	A		B	C	D	E
	GENERAL INFORMATION		**CURRENT LEASE**	**PROPOSED LEASE**	**Other State Leases**	
1	State Agency		Revenue	Revenue	Corrections	Commerce
2	Address		1839 Ridgeview	20162 W 151st St.	804 N Medowbrook	9221 Quivira Rd.
3	City Location (market)		Olathe	Olathe	Olathe	Overland Park
4	Building Name or Location (Landlord)		Village Centre	Great Olathe Center LLC	Mike Hale Real Estate	Stentor Company LLP
5	Lease Space (sq. ft.)	Office Sq. Ft.	3,600	5,500	8,844	2,658
6		Storage Sq. Ft.	0	0	0	0
7		Total Sq. Ft.	3,600	5,500	8,844	2,658
8		Parking Stalls	open lot	80	40	open lot
9	Full Time Equivalency (FTE) employees/workstations		8	15	20	14
10	Lease Begin Date		7/1/2004	7/1/2011	1/1/2008	1/1/2010
11	Lease End Date		6/30/2011	6/30/2016	12/31/2017	12/31/2014
12	Years of Lease		7	5	10	5
13	Space Standards Check (sq. ft. per FTE/workstation)		450	367	442	190
	LEASE COSTS					
14	Base Lease Office Cost (annual per sq. ft.)		$8.32	$12.50	$14.25	$11.85
15	Storage (per square foot)(assigned common area)		$0.00	$0.00	$0.00	$0.00
16	Parking		$0.00	$0.00	$0.00	$0.00
17	**Additional Services**					
	AGENCY FUNDED OCCUPANCY COSTS					
18	Real Estate Taxes					
19	Insurance					$1.32
20	Major Maintenance					
	Utilities					
21		Electricity	$1.18		$1.25	$1.17
22		Gas	$0.41		$0.46	$0.76
23		Water/Sewer/etc.	$0.13		$0.35	$0.19
24	Trash Pickup/Removal			$0.04		
25	Custodial/Janitorial		$1.57		$1.05	$1.43
26	Pest Control					
27	Grounds Maintenance (inc. snow removal)					
28	Parking					
29	**Total Other Bldg Optg Costs (not included in lease)**		**$3.29**	**$0.04**	**$3.11**	**$4.87**
	IMPROVEMENTS					
30	Improvements					
31	**Subtotal - Improvements**		**$0.00**	**$0.00**	**$0.00**	**$0.00**
32	**Annual Cost per Sq. Ft. (estimated)**		**$11.61**	**$12.54**	**$17.36**	**$16.72**
33	**Annual Cost (estimated)**		**$41,796**	**$68,970**		
34	**Total Cost of Lease (estimated)**		**$292,572**	**$344,850**		

Attachment 4
JCSBC 11-10-10

STATEMENT OF ENERGY PERFORMANCE
Great Mall of the Great Plains

Building ID: 2379125
For 12-month Period Ending: February 28, 2010[1]
Date SEP becomes ineligible: N/A

Date SEP Generated: July 20, 2010

Facility
Great Mall of the Great Plains
20700 W. 151st Street
Olathe , KS 66061

Facility Owner
N/A

Primary Contact for this Facility
N/A

Year Built: 1997
Gross Floor Area (ft²): 632,798

Energy Performance Rating[2] (1-100) 62

Site Energy Use Summary[3]	
Electricity - Grid Purchase(kBtu)	42,243,015
Natural Gas (kBtu)[4]	478,487
Total Energy (kBtu)	42,721,502

Energy Intensity[5]	
Site (kBtu/ft²/yr)	68
Source (kBtu/ft²/yr)	224

Emissions (based on site energy use)	
Greenhouse Gas Emissions ($MtCO_2e$/year)	11,097

Electric Distribution Utility
Great Plains Energy - Kansas City Power & Light Co

National Average Comparison	
National Average Site EUI	80
National Average Source EUI	265
% Difference from National Average Source EUI	-15%
Building Type	Retail

Stamp of Certifying Professional

Based on the conditions observed at the time of my visit to this building, I certify that the information contained within this statement is accurate.

Certifying Professional
N/A

Meets Industry Standards[6] **for Indoor Environmental Conditions:**	
Ventilation for Acceptable Indoor Air Quality	**N/A**
Acceptable Thermal Environmental Conditions	**N/A**
Adequate Illumination	**N/A**

Notes:
1. Application for the ENERGY STAR must be submitted to EPA within 4 months of the Period Ending date. Award of the ENERGY STAR is not final until approval is received from EPA.
2. The EPA Energy Performance Rating is based on total source energy. A rating of 75 is the minimum to be eligible for the ENERGY STAR.
3. Values represent energy consumption, annualized to a 12-month period.
4. Natural Gas values in units of volume (e.g. cubic feet) are converted to kBtu with adjustments made for elevation based on Facility zip code.
5. Values represent energy intensity, annualized to a 12-month period.
6. Based on Meeting ASHRAE Standard 62 for ventilation for acceptable indoor air quality, ASHRAE Standard 55 for thermal comfort, and IESNA Lighting Handbook for lighting quality.

ENERGY STAR® Data Checklist for Commercial Buildings

In order for a building to qualify for the ENERGY STAR, a Professional Engineer (PE) or a Registered Architect (RA) must validate the accuracy of the data underlying the building's energy performance rating. This checklist is designed to provide an at-a-glance summary of a property's physical and operating characteristics, as well as its total energy consumption, to assist the PE or RA in double-checking the information that the building owner or operator has entered into Portfolio Manager.

Please complete and sign this checklist and include it with the stamped, signed Statement of Energy Performance.
NOTE: You must check each box to indicate that each value is correct, OR include a note.

CRITERION	VALUE AS ENTERED IN PORTFOLIO MANAGER	VERIFICATION QUESTIONS	NOTES	
Building Name	Great Mall of the Great Plains	Is this the official building name to be displayed in the ENERGY STAR Registry of Labeled Buildings?		☐
Type	Retail	Is this an accurate description of the space in question?		☐
Location	20700 W. 151st Street, Olathe , KS 66061	Is this address accurate and complete? Correct weather normalization requires an accurate zip code.		☐
Single Store	No	Is this a single store?		☐
Larger Building	Yes, it is part of a mixed use property (e.g. with Office, Hotel, or Residential space)	Is this store part of a larger building?		☐
Single Structure	Single Facility	Does this SEP represent a single structure? SEPs cannot be submitted for multiple-building campuses (with the exception of acute care or children's hospitals) nor can they be submitted as representing only a portion of a building		☐

Great Mall (Retail)

CRITERION	VALUE AS ENTERED IN PORTFOLIO MANAGER	VERIFICATION QUESTIONS	NOTES	
Gross Floor Area	632,798 Sq. Ft.	Does this square footage include all supporting functions such as kitchens and break rooms used by staff, storage areas, administrative areas, elevators, stairwells, atria, vent shafts, etc. Also note that existing atriums should only include the base floor area that it occupies. Interstitial (plenum) space between floors should not be included in the total. Finally gross floor area is not the same as leasable space. Leasable space is a subset of gross floor area.		☐
Weekly operating hours	110 Hours	Is this the total number of hours per week that the retail store is open for business excluding hours when the building is occupied only by maintenance, security, or other support personnel? For buildings with a schedule that varies during the year, "operating hours/week" refers to the total weekly hours for the schedule most often followed.		☐
Number of open or closed refrigeration/freezer cases	48	Is this the total number of commercial refrigeration units (cases) used for the sale or storage of perishable goods? This includes display type refrigerated open or closed cases and cabinets as well as display type freezer units typically found on the sales floor. Each case or cabinet section, typically 4 to 12 feet in length, should be considered 1 unit. Include those cases located inside and immediately adjacent to the facility. This should not include any refrigerated vending (soda) machines.		☐
Number of walk-in refrigeration/freezer units	14	Is this the total number of large walk-in refrigeration or freezer units in use within the retail store? This typically includes large refrigeration units located in the back of a retail store in storage and receiving areas and used to store refrigerated goods.		☐

Workers on Main Shift	112	Is this the number of employees present during the main shift? Note this is not the total number of employees or visitors who are in a building during an entire 24 hour period. For example, if there are two daily 8 hour shifts of 15 workers each, the Workers on Main Shift value is 15.		
Number of PCs	80	Is this the total number of personal computers and data servers in the retail store? Personal computers are not used to check out customers and are generally located in manager offices, break rooms, and/or storage and inventory areas.		
Number of Cash Registers	85	Is this the total number of cash registers in the retail store? Cash registers are defined as business machines that are used primarily for conducting transactions and indicating to customers the amounts of individual sales; they record and total receipts, may automatically calculate the change due, and often include a money drawer from which to make change.		
Percent Heated	100 %	Is this the percentage of the total floor space within the facility that is served by mechanical heating equipment?		
Percent Cooled	100 %	Is this the percentage of the total floor space within the facility that is served by mechanical cooling equipment?		
Exterior Entrance to the Public	Yes	Does this retail store have an exterior entrance to the public? Answer yes if this store has an exterior entrance through which customers enter to shop. Answer no if there is no exterior entrance available to the public.		

ENERGY STAR® Data Checklist for Commercial Buildings

Energy Consumption

Power Generation Plant or Distribution Utility: Great Plains Energy - Kansas City Power & Light Co

Fuel Type: Electricity

Meter: Electric - Primary (kWh (thousand Watt-hours))
Space(s): Entire Facility
Generation Method: Grid Purchase

Start Date	End Date	Energy Use (kWh (thousand Watt-hours))
01/24/2010	02/22/2010	1,043,300.00
12/21/2009	01/24/2010	1,192,000.00
11/18/2009	12/21/2009	1,181,300.00
10/19/2009	11/18/2009	882,100.00
09/20/2009	10/19/2009	907,700.00
08/19/2009	09/20/2009	1,163,100.00
07/21/2009	08/19/2009	1,050,200.00
06/21/2009	07/21/2009	1,127,000.00
05/20/2009	06/21/2009	1,082,200.00
04/22/2009	05/20/2009	901,200.00
03/23/2009	04/21/2009	903,400.00
Electric - Primary Consumption (kWh (thousand Watt-hours))		**11,433,500.00**
Electric - Primary Consumption (kBtu (thousand Btu))		**39,011,102.00**
Total Electricity (Grid Purchase) Consumption (kBtu (thousand Btu))		**39,011,102.00**
Is this the total Electricity (Grid Purchase) consumption at this building including all Electricity meters?		☐

Fuel Type: Natural Gas

Meter: Gas - Primary (ccf (hundred cubic feet))
Space(s): Entire Facility

Start Date	End Date	Energy Use (ccf (hundred cubic feet))
01/21/2010	02/18/2010	3,542.00
12/21/2009	01/21/2010	14.00
11/19/2009	12/21/2009	0.00
10/21/2009	11/19/2009	0.00
09/22/2009	10/21/2009	0.00
08/24/2009	09/22/2009	0.00
07/22/2009	08/24/2009	0.00
06/19/2009	07/22/2009	0.00
05/21/2009	06/19/2009	1.00
04/21/2009	05/21/2009	0.00
03/23/2009	04/21/2009	0.00

Primary Consumption (ccf (hundred cubic feet))	3,557.00
Gas - Primary Consumption (kBtu (thousand Btu))	366,015.30
Total Natural Gas Consumption (kBtu (thousand Btu))	366,015.30
Is this the total Natural Gas consumption at this building including all Natural Gas meters?	☐

Additional Fuels	
Do the fuel consumption totals shown above represent the total energy use of this building? Please confirm there are no additional fuels (district energy, generator fuel oil) used in this facility.	☐

On-Site Solar and Wind Energy	
Do the fuel consumption totals shown above include all on-site solar and/or wind power located at your facility? Please confirm that no on-site solar or wind installations have been omitted from this list. All on-site systems must be reported.	☐

Certifying Professional

(When applying for the ENERGY STAR, the Certifying Professional must be the same PE or RA that signed and stamped the SEP.)

Name: _____ Date: _____

Signature: _____

Signature is required when applying for the ENERGY STAR.

FOR YOUR RECORDS ONLY. DO NOT SUBMIT TO EPA.

Please keep this Facility Summary for your own records; do not submit it to EPA. Only the Statement of Energy Performance (SEP), Data Checklist and Letter of Agreement need to be submitted to EPA when applying for the ENERGY STAR.

Facility
Great Mall of the Great Plains
20700 W. 151st Street
Olathe , KS 66061

Facility Owner
N/A

Primary Contact for this Facility
N/A

General Information

Great Mall of the Great Plains	
Gross Floor Area Excluding Parking: (ft²)	632,798
Year Built	1997
For 12-month Evaluation Period Ending Date:	February 28, 2010

Facility Space Use Summary

Great Mall	
Space Type	Retail
Gross Floor Area(ft²)	632,798
Weekly operating hours	110
Number of open or closed refrigeration/freezer cases	48
Number of walk-in refrigeration/freezer units	14
Workers on Main Shift	112
Number of PCs	80
Number of Cash Registers	85
Percent Heated	100
Percent Cooled	100
Exterior Entrance to the Public	Yes

Energy Performance Comparison

	Evaluation Periods		Comparisons		
Performance Metrics	Current (Ending Date 02/28/2010)	Baseline (Ending Date 02/28/2010)	Target [illegible]	Type	50 National Average
Energy Performance Rating	62	62	75	N/A	50
Energy Intensity					
Site (kBtu/ft²)	68	68	56	N/A	80
Source (kBtu/ft²)	224	224	186	N/A	265
Energy Cost					
$/year	N/A	N/A	N/A	N/A	N/A
$/ft²/year	N/A	N/A	N/A	N/A	N/A
Greenhouse Gas Emissions					
$MtCO_2e$/year	11,097	11,097	9,236	N/A	13,142
$kgCO_2e/ft^2$/year	18	18	15	N/A	21

More than 50% of your building is defined as Retail. Please note that your rating accounts for all of the spaces listed. The National Average column presents energy performance data your building would have if your building had an average rating of 50.

Notes:
o - This attribute is optional.
d - A default value has been supplied by Portfolio Manager.

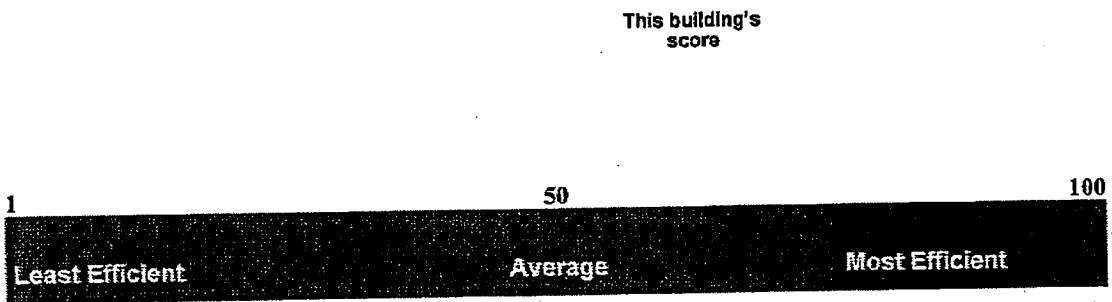
Statement of Energy Performance

2010

Great Mall of the Great Plains
20700 W. 151st Street
Olathe , KS 66061

Portfolio Manager Building ID: 2379125

The energy use of this building has been measured and compared to other similar buildings using the Environmental Protection Agency's (EPA's) Energy Performance Scale of 1–100, with 1 being the least energy efficient and 100 the most energy efficient. For more information, visit energystar.gov/benchmark.



This building uses 224 kBtu per square foot per year.*

*Based on source energy intensity for the 12 month period ending February 2010

Buildings with a score of 75 or higher may qualify for EPA's ENERGY STAR.

I certify that the information contained within this statement is accurate and in accordance with U.S. Environmental Protection Agency's measurement standards, found at energystar.gov

Date of certification

Date Generated: 07/20/2010

Lease Comparison Sheet
Kansas Department of Corrections

November 10, 2010

	A		B	C	D	E
	GENERAL INFORMATION		CURRENT LEASE	PROPOSED LEASE	Other State Leases	
1	State Agency		Corrections	Corrections	SRS	KDHE
2	Address		1910 Haskell	1800 # 23rd	1900 Delaware	800 W 24th
3	City Location (market)		Lawrence	Lawrence	Lawrence	Lawrence
4	Building Name or Location (Landlord)		OACS Properties, LLC	10 Marketplace Investors, LLC	Venture Realty Corporation	EPG Properties, LLC
5	Lease Space (sq. ft.)	Office Sq. Ft.	1,125	2,670	29,500	4,977
6		Storage Sq. Ft.	0	0		0
7		Total Sq. Ft.	1,125	2,670	29,500	4,977
8		Parking Stalls	n/a	n/a	n/a	30
9	Full Time Equivalency (FTE) employees/workstations		4	5	135	30
10	Lease Begin Date		10/1/2008	1/1/2011	12/20/2008	7/1/2010
11	Lease End Date		12/31/2010	12/31/2016	12/19/2023	6/30/2015
12	Years of Lease		2.25	5	15	5
13	Space Standards Check (sq. ft. per FTE/workstation)		281	534	219	250
	LEASE COSTS					
14	Base Lease Office Cost (annual per sq. ft.)		$14.61	$12.00	$11.25	$12.10
15	Storage (per square foot)		$0.00	$0.00	$0.00	$0.00
16	Parking		$0.00	$0.00	$0.00	$0.00
17	**Additional Services**					
	AGENCY FUNDED OCCUPANCY COSTS					
18	Real Estate Taxes				$0.12	
19	Insurance					
20	Major Maintenance					
	Utilities					
21		Electricity	$1.24	$0.93	$0.99	
22		Gas	$0.86	$0.30	$0.15	
23		Water/Sewer/etc.	$0.85		$0.18	
24	Trash Pickup/Removal				$0.06	
25	Custodial/Janitorial		$1.28	$0.77	$0.56	
26	Pest Control				$0.01	
27	Grounds Maintenance (inc. snow removal)					
28	Parking					
29	**Total Other Bldg Optg Costs (not included in lease)**		**$4.24**	**$2.00**	**$2.06**	**$0.00**
	IMPROVEMENTS					
30	Improvements			$0.72		
31	Subtotal - Improvements		$0.00	$0.72	$0.00	$0.00
32	Annual Cost per Sq. Ft. (estimated)		$18.85	$14.72	$13.31	$12.10
33	Annual Cost (estimated)		$21,206	$39,302		
34	Total Cost of Lease (estimated)		$47,714	$202,517		

Attachment 5 JCSBC 11-10-10

OMB No. 2060-03-

STATEMENT OF ENERGY PERFORMANCE
Jayhawk Tower

Building ID: 1560470
For 12-month Period Ending: July 31, 2008[1]
Date SEP becomes ineligible: N/A

Date SEP Generated: November 10, 2008

Facility
Jayhawk Tower
700 SW Jackson
Topeka, KS 66603

Facility Owner
N/A

Primary Contact for this Facility
N/A

Year Built: 1926
Gross Floor Area (ft²): 124,129

Energy Performance Rating[2] (1-100) 64

Site Energy Use Summary[3]

Natural Gas (kBtu)[4]	4,424,689
Electricity (kBtu)	7,180,330
Total Energy (kBtu)	11,605,019

Energy Intensity[5]

Site (kBtu/ft²/yr)	95
Source (kBtu/ft²/yr)	237

Emissions (based on site energy use)

Greenhouse Gas Emissions ($MtCO_2e$/year)	2,117

Electric Distribution Utility
Westar Energy, Inc.

National Average Comparison

National Average Site EUI	113
National Average Source EUI	280
% Difference from National Average Source EUI	-15%
Building Type	Office

Stamp of Certifying Professional

Based on the conditions observed at the time of my visit to this building, I certify that the information contained within this statement is accurate.

Certifying Professional
N/A

Meets Industry Standards[6] for Indoor Environmental Conditions:

Ventilation for Acceptable Indoor Air Quality	N/A
Acceptable Thermal Environmental Conditions	N/A
Adequate Illumination	N/A

Notes:
1. Application for the ENERGY STAR must be submitted to EPA within 4 months of the Period Ending date. Award of the ENERGY STAR is not final until approval is received from EPA.
2. The EPA Energy Performance Rating is based on total source energy. A rating of 75 is the minimum to be eligible for the ENERGY STAR.
3. Values represent energy consumption, annualized to a 12-month period.
4. Natural Gas values in units of volume (e.g. cubic feet) are converted to kBtu with adjustments made for elevation based on Facility zip code.
5. Values represent energy intensity, annualized to a 12-month period.
6. Based on Meeting ASHRAE Standard 62 for ventilation for acceptable indoor air quality, ASHRAE Standard 55 for thermal comfort, and IESNA Lighting Handbook for lighting quality.

Attachment 6
JC SBC 11-10-10

FOR YOUR RECORDS ONLY. DO NOT SUBMIT TO EPA.

Please keep this Facility Summary for your own records; do not submit it to EPA. Only the Statement of Energy Performance (SEP), Data Checklist and Letter of Agreement need to be submitted to EPA when applying for the ENERGY STAR.

Facility
Jayhawk Tower
700 SW Jackson
Topeka, KS 66603

Facility Owner
N/A

Primary Contact for this Facility
N/A

General Information

Jayhawk Tower	
Gross Floor Area Excluding Parking: (ft²)	124,129
Year Built	1926
For 12-month Evaluation Period Ending Date:	July 31, 2008

Facility Space Use Summary

Jayhawk Tower	
Space Type	Office
Gross Floor Area(ft²)	124,129
Weekly operating hours	55
Workers on Main Shift	400
Number of PCs	400
Percent Cooled	50% or more
Percent Heated	50% or more

Energy Performance Comparison

	Evaluation Periods		Comparisons		
Performance Metrics	Current (Ending Date: 07/31/2008)	Baseline (Ending Date: 07/31/2008)	Rating of 75	Target	National Average
Energy Performance Rating	64	64	75	N/A	50
Energy Intensity					
Site (kBtu/ft²)	95	95	84	N/A	113
Source (kBtu/ft²)	237	237	207	N/A	280
Energy Cost					
$/year	$ 166,176.72	$ 166,176.72	$ 145,374.17	N/A	$ 196,553.67
$/ft²/year	$ 1.34	$ 1.34	$ 1.17	N/A	$ 1.58
Greenhouse Gas Emissions					
MtCO$_2$e/year	2,117	2,117	1,852	N/A	2,504
kgCO$_2$e/year	17	17	15	N/A	20

More than 50% of your building is defined as Office. Please note that your rating accounts for all of the spaces listed. The National Average column presents energy performance data your building would have if your building had an average rating of 50.

Notes:
o - This attribute is optional.
d - A default value has been supplied by Portfolio Manager.

ENERGY STAR® Data Checklist for Commercial Buildings

In order for a building to qualify for the ENERGY STAR, a Professional Engineer (PE) must validate the accuracy of the data underlying the building's energy performance rating. This checklist is designed to provide an at-a-glance summary of a property's physical and operating characteristics, as well as its total energy consumption, to assist the PE in double-checking the information that the building owner or operator has entered into Portfolio Manager.

Please complete and sign this checklist and include it with the stamped, signed Statement of Energy Performance.

CRITERION	VALUE AS ENTERED IN PORTFOLIO MANAGER	VERIFICATION QUESTIONS	NOTES	☑
Building Name	Jayhawk Tower	Is this the official building name to be displayed in the ENERGY STAR Registry of Labeled Buildings?		☐
Type	Office	Is this an accurate description of the space in question?		☐
Location	700 SW Jackson, Topeka, KS 66603	Is this address accurate and complete? Correct weather normalization requires an accurate zip code.		☐
Single Structure	Single Facility	Does this SEP represent a single structure? SEPs cannot be submitted for multiple-building campuses (with the exception of acute care or children's hospitals) nor can they be submitted as representing only a portion of a building		☐
Jayhawk Towers (Office)				
CRITERION	VALUE AS ENTERED IN PORTFOLIO MANAGER	VERIFICATION QUESTIONS	NOTES	☑
Gross Floor Area	124,129 Sq. Ft.	Does this square footage include all supporting functions such as kitchens and break rooms used by staff, storage areas, administrative areas, elevators, stairwells, atria, vent shafts, etc. Also note that existing atriums should only include the base floor area that it occupies. Interstitial (plenum) space between floors should not be included in the total. Finally gross floor area is not the same as leasable space. Leasable space is a subset of gross floor area.		☐
Weekly operating hours	55 Hours	Is this the total number of hours per week that the Office space is 75% occupied? This number should exclude hours when the facility is occupied only by maintenance, security, or other support personnel. For facilities with a schedule that varies during the year, "operating hours/week" refers to the total weekly hours for the schedule most often followed.		☐
Workers on Main Shift	400	Is this the number of employees present during the main shift? Note this is not the total number of employees or visitors who are in a building during an entire 24 hour period. For example, if there are two daily 8 hour shifts of 100 workers each, the Workers on Main Shift value is 100. The normal worker density ranges between 0.3 and 10 workers per 1000 square feet (92.8 square meters)		☐
Number of PCs	400	Is this the number of personal computers in the Office?		☐
Percent Cooled	50% or more	Is this the percentage of the total floor space within the facility that is served by mechanical cooling equipment?		☐
Percent Heated	50% or more	Is this the percentage of the total floor space within the facility that is served by mechanical heating equipment?		☐

6-3

ENERGY STAR® Data Checklist for Commercial Buildings

Energy Consumption

Power Generation Plant or Distribution Utility: Westar Energy, Inc.

Fuel Type: Electricity

Meter: Electricity (kWh)
Space(s): Entire Facility

Start Date	End Date	Energy Use (kWh)
06/13/2008	07/16/2008	244,800.00
05/14/2008	06/13/2008	195,480.00
04/15/2008	05/14/2008	154,440.00
03/18/2008	04/15/2008	131,760.00
02/15/2008	03/18/2008	153,840.00
01/18/2008	02/15/2008	149,920.00
12/14/2007	01/17/2008	166,600.00
11/13/2007	12/14/2007	140,400.00
10/12/2007	11/13/2007	173,520.00
09/17/2007	10/12/2007	187,080.00
08/14/2007	09/17/2007	276,080.00
Electricity Consumption (kWh)		**1,973,920.00**
Electricity Consumption (kBtu)		**6,735,015.04**
Total Electricity Consumption (kBtu)		**6,735,015.04**
Is this the total Electricity consumption at this building including all Electricity meters?		☒

Fuel Type: Natural Gas

Meter: Natural Gas (kcf)
Space(s): Entire Facility

Start Date	End Date	Energy Use (kcf)
06/01/2008	07/01/2008	6.00
05/01/2008	06/01/2008	16.00
04/01/2008	05/01/2008	245.00
03/01/2008	04/01/2008	521.00
02/01/2008	03/01/2008	969.00
01/01/2008	02/01/2008	1,088.00
12/01/2007	01/01/2008	1,104.00
11/01/2007	12/01/2007	393.00

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10/01/2007	11/01/2007	17.00
09/01/2007	10/01/2007	5.00
08/01/2007	09/01/2007	1.00
Natural Gas Consumption (kcf)		**4,365.00**
Natural Gas Consumption (kBtu)		**4,421,745.00**
Total Natural Gas Consumption (kBtu)		**4,421,745.00**
Is this the total Natural Gas consumption at this building including all Natural Gas meters?		☐

Additional Fuels	
Do the fuel consumption totals shown above represent the total energy use of this building? Please confirm there are no additional fuels (district energy, generator fuel oil) used in this facility.	☐

Certifying Professional

Name: _____ Date: _____

Signature: _____

Signature is required when applying for the ENERGY STAR.

6-5

OMB No. 2060-034

STATEMENT OF ENERGY PERFORMANCE
Jayhawk Tower

Building ID: 1560470
For 12-month Period Ending: July 31, 2008[1]
Date SEP becomes ineligible: N/A

Date SEP Generated: November 10, 2008

Facility	Facility Owner	Primary Contact for this Facility
Jayhawk Tower 700 SW Jackson Topeka, KS 66603	N/A	N/A

Year Built: 1926
Gross Floor Area (ft²): 124,129

Energy Performance Rating[2] (1-100) 64

Site Energy Use Summary[3]	
Natural Gas (kBtu)[4]	4,424,689
Electricity (kBtu)	7,180,330
Total Energy (kBtu)	11,605,019

Energy Intensity[5]	
Site (kBtu/ft²/yr)	95
Source (kBtu/ft²/yr)	237

Emissions (based on site energy use)	
Greenhouse Gas Emissions ($MtCO_2e$/year)	2,117

Electric Distribution Utility
Westar Energy, Inc.

National Average Comparison	
National Average Site EUI	113
National Average Source EUI	280
% Difference from National Average Source EUI	-15%
Building Type	Office

Stamp of Certifying Professional

Based on the conditions observed at the time of my visit to this building, I certify that the information contained within this statement is accurate.

Certifying Professional
N/A

Meets Industry Standards[6] for Indoor Environmental Conditions:	
Ventilation for Acceptable Indoor Air Quality	N/A
Acceptable Thermal Environmental Conditions	N/A
Adequate Illumination	N/A

Notes:
1. Application for the ENERGY STAR must be submitted to EPA within 4 months of the Period Ending date. Award of the ENERGY STAR is not final until approval is received from EPA.
2. The EPA Energy Performance Rating is based on total source energy. A rating of 75 is the minimum to be eligible for the ENERGY STAR.
3. Values represent energy consumption, annualized to a 12-month period.
4. Natural Gas values in units of volume (e.g. cubic feet) are converted to kBtu with adjustments made for elevation based on Facility zip code.
5. Values represent energy intensity, annualized to a 12-month period.
6. Based on Meeting ASHRAE Standard 62 for ventilation for acceptable indoor air quality, ASHRAE Standard 55 for thermal comfort, and IESNA Lighting Handbook for lighting quality.

FOR YOUR RECORDS ONLY. DO NOT SUBMIT TO EPA.

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Facility
Jayhawk Tower
700 SW Jackson
Topeka, KS 66603

Facility Owner
N/A

Primary Contact for this Facility
N/A

General Information

Jayhawk Tower	
Gross Floor Area Excluding Parking: (ft²)	124,129
Year Built	1926
For 12-month Evaluation Period Ending Date:	July 31, 2008

Facility Space Use Summary

Jayhawk Tower	
Space Type	Office
Gross Floor Area(ft²)	124,129
Weekly operating hours	55
Workers on Main Shift	400
Number of PCs	400
Percent Cooled	50% or more
Percent Heated	50% or more

Energy Performance Comparison

	Evaluation Periods		Comparisons		
Performance Metrics	Current (Ending Date: 07/31/2008)	Baseline (Ending Date: 07/31/2008)	Rating of 75	Target	National Average
Energy Performance Rating	64	64	75	N/A	50
Energy Intensity					
Site (kBtu/ft²)	95	95	84	N/A	113
Source (kBtu/ft²)	237	237	207	N/A	280
Energy Cost					
$/year	$ 166,176.72	$ 166,176.72	$ 145,374.17	N/A	$ 196,553.67
$/ft²/year	$ 1.34	$ 1.34	$ 1.17	N/A	$ 1.58
Greenhouse Gas Emissions					
$MtCO_2e$/year	2,117	2,117	1,852	N/A	2,504
$kgCO_2e$/year	17	17	15	N/A	20

More than 50% of your building is defined as Office. Please note that your rating accounts for all of the spaces listed. The National Average column presents energy performance data your building would have if your building had an average rating of 50.

Notes:
o - This attribute is optional.
d - A default value has been supplied by Portfolio Manager.

ENERGY STAR® Data Checklist for Commercial Buildings

In order for a building to qualify for the ENERGY STAR, a Professional Engineer (PE) must validate the accuracy of the data underlying the building's energy performance rating. This checklist is designed to provide an at-a-glance summary of a property's physical and operating characteristics, as well as its total energy consumption, to assist the PE in double-checking the information that the building owner or operator has entered into Portfolio Manager.

Please complete and sign this checklist and include it with the stamped, signed Statement of Energy Performance.

CRITERION	VALUE AS ENTERED IN PORTFOLIO MANAGER	VERIFICATION QUESTIONS	NOTES	☑
Building Name	Jayhawk Tower	Is this the official building name to be displayed in the ENERGY STAR Registry of Labeled Buildings?		
Type	Office	Is this an accurate description of the space in question?		
Location	700 SW Jackson, Topeka, KS 66603	Is this address accurate and complete? Correct weather normalization requires an accurate zip code.		
Single Structure	Single Facility	Does this SEP represent a single structure? SEPs cannot be submitted for multiple-building campuses (with the exception of acute care or children's hospitals) nor can they be submitted as representing only a portion of a building		
Jayhawk Towers (Office)				
CRITERION	VALUE AS ENTERED IN PORTFOLIO MANAGER	VERIFICATION QUESTIONS	NOTES	☑
Gross Floor Area	124,129 Sq. Ft.	Does this square footage include all supporting functions such as kitchens and break rooms used by staff, storage areas, administrative areas, elevators, stairwells, atria, vent shafts, etc. Also note that existing atriums should only include the base floor area that it occupies. Interstitial (plenum) space between floors should not be included in the total. Finally gross floor area is not the same as leasable space. Leasable space is a subset of gross floor area.		
Weekly operating hours	55 Hours	Is this the total number of hours per week that the Office space is 75% occupied? This number should exclude hours when the facility is occupied only by maintenance, security, or other support personnel. For facilities with a schedule that varies during the year, "operating hours/week" refers to the total weekly hours for the schedule most often followed.		
Workers on Main Shift	400	Is this the number of employees present during the main shift? Note this is not the total number of employees or visitors who are in a building during an entire 24 hour period. For example, if there are two daily 8 hour shifts of 100 workers each, the Workers on Main Shift value is 100. The normal worker density ranges between 0.3 and 10 workers per 1000 square feet (92.8 square meters)		
Number of PCs	400	Is this the number of personal computers in the Office?		
Percent Cooled	50% or more	Is this the percentage of the total floor space within the facility that is served by mechanical cooling equipment?		
Percent Heated	50% or more	Is this the percentage of the total floor space within the facility that is served by mechanical heating equipment?		

6-8

ENERGY STAR® Data Checklist for Commercial Buildings

Energy Consumption

Power Generation Plant or Distribution Utility: Westar Energy, Inc.

Fuel Type: Electricity

Meter: Electricity (kWh)
Space(s): Entire Facility

Start Date	End Date	Energy Use (kWh)
06/13/2008	07/16/2008	244,800.00
05/14/2008	06/13/2008	195,480.00
04/15/2008	05/14/2008	154,440.00
03/18/2008	04/15/2008	131,760.00
02/15/2008	03/18/2008	153,840.00
01/18/2008	02/15/2008	149,920.00
12/14/2007	01/17/2008	166,600.00
11/13/2007	12/14/2007	140,400.00
10/12/2007	11/13/2007	173,520.00
09/17/2007	10/12/2007	187,080.00
08/14/2007	09/17/2007	276,080.00
Electricity Consumption (kWh)		**1,973,920.00**
Electricity Consumption (kBtu)		**6,735,015.04**
Total Electricity Consumption (kBtu)		**6,735,015.04**
Is this the total Electricity consumption at this building including all Electricity meters?		☒

Fuel Type: Natural Gas

Meter: Natural Gas (kcf)
Space(s): Entire Facility

Start Date	End Date	Energy Use (kcf)
06/01/2008	07/01/2008	6.00
05/01/2008	06/01/2008	16.00
04/01/2008	05/01/2008	245.00
03/01/2008	04/01/2008	521.00
02/01/2008	03/01/2008	969.00
01/01/2008	02/01/2008	1,088.00
12/01/2007	01/01/2008	1,104.00
11/01/2007	12/01/2007	393.00

10/01/2007	11/01/2007	17.00
09/01/2007	10/01/2007	5.00
08/01/2007	09/01/2007	1.00
Natural Gas Consumption (kcf)		4,365.00
Natural Gas Consumption (kBtu)		4,421,745.00
Total Natural Gas Consumption (kBtu)		4,421,745.00
Is this the total Natural Gas consumption at this building including all Natural Gas meters?		☐

Additional Fuels	
Do the fuel consumption totals shown above represent the total energy use of this building? Please confirm there are no additional fuels (district energy, generator fuel oil) used in this facility.	☐

Certifying Professional

Name: _____ Date: _____

Signature: _____

Signature is required when applying for the ENERGY STAR.

6-10

OMB No. 2060-0347

STATEMENT OF ENERGY PERFORMANCE
Jayhawk Tower Complex

Building ID: 1998002
For 12-month Period Ending: August 31, 2010[1]
Date SEP becomes ineligible: N/A

Date SEP Generated: October 26, 2010

Facility
Jayhawk Tower Complex
700-720 SW Jackson
Topeka, KS 66603

Facility Owner
Jayhawk Tower Partners, LLC
700 SW Jackson, Ste 200
Topeka, KS 66603

Primary Contact for this Facility
N/A

Year Built: 1926
Gross Floor Area (ft²): 150,359

Energy Performance Rating[2] (1-100) 73

Site Energy Use Summary[3]

Electricity - Grid Purchase(kBtu)	8,896,647
Natural Gas (kBtu)[4]	3,639,518
Total Energy (kBtu)	12,536,165

Energy Intensity[5]

Site (kBtu/ft²/yr)	83
Source (kBtu/ft²/yr)	223

Emissions (based on site energy use)

Greenhouse Gas Emissions ($MtCO_2e$/year)	2,525

Electric Distribution Utility
Westar Energy Inc

National Average Comparison

National Average Site EUI	111
National Average Source EUI	297
% Difference from National Average Source EUI	-25%
Building Type	Office

Stamp of Certifying Professional

Based on the conditions observed at the time of my visit to this building, I certify that the information contained within this statement is accurate.

Certifying Professional
N/A

Meets Industry Standards[6] **for Indoor Environmental Conditions:**

Ventilation for Acceptable Indoor Air Quality	N/A
Acceptable Thermal Environmental Conditions	N/A
Adequate Illumination	N/A

Notes:
1. Application for the ENERGY STAR must be submitted to EPA within 4 months of the Period Ending date. Award of the ENERGY STAR is not final until approval is received from EPA.
2. The EPA Energy Performance Rating is based on total source energy. A rating of 75 is the minimum to be eligible for the ENERGY STAR.
3. Values represent energy consumption, annualized to a 12-month period.
4. Natural Gas values in units of volume (e.g. cubic feet) are converted to kBtu with adjustments made for elevation based on Facility zip code.
5. Values represent energy intensity, annualized to a 12-month period.
6. Based on Meeting ASHRAE Standard 62 for ventilation for acceptable indoor air quality, ASHRAE Standard 55 for thermal comfort, and IESNA Lighting Handbook for lighting quality.

6-11

ENERGY STAR® Data Checklist for Commercial Buildings

In order for a building to qualify for the ENERGY STAR, a Professional Engineer (PE) or a Registered Architect (RA) must validate the accuracy of the data underlying the building's energy performance rating. This checklist is designed to provide an at-a-glance summary of a property's physical and operating characteristics, as well as its total energy consumption, to assist the PE or RA in double-checking the information that the building owner or operator has entered into Portfolio Manager.

Please complete and sign this checklist and include it with the stamped, signed Statement of Energy Performance.
NOTE: You must check each box to indicate that each value is correct, OR include a note.

CRITERION	VALUE AS ENTERED IN PORTFOLIO MANAGER	VERIFICATION QUESTIONS	NOTES	☑
Building Name	Jayhawk Tower Complex	Is this the official building name to be displayed in the ENERGY STAR Registry of Labeled Buildings?		☐
Type	Office	Is this an accurate description of the space in question?		☐
Location	700-720 SW Jackson, Topeka, KS 66603	Is this address accurate and complete? Correct weather normalization requires an accurate zip code.		☐
Single Structure	Single Facility	Does this SEP represent a single structure? SEPs cannot be submitted for multiple-building campuses (with the exception of acute care or children's hospitals) nor can they be submitted as representing only a portion of a building		☐
Jayhawk Tower Complex (Office)				
CRITERION	VALUE AS ENTERED IN PORTFOLIO MANAGER	VERIFICATION QUESTIONS	NOTES	☑
Gross Floor Area	150,359 Sq. Ft.	Does this square footage include all supporting functions such as kitchens and break rooms used by staff, storage areas, administrative areas, elevators, stairwells, atria, vent shafts, etc. Also note that existing atriums should only include the base floor area that it occupies. Interstitial (plenum) space between floors should not be included in the total. Finally gross floor area is not the same as leasable space. Leasable space is a subset of gross floor area.		☐
Weekly operating hours	76 Hours	Is this the total number of hours per week that the Office space is 75% occupied? This number should exclude hours when the facility is occupied only by maintenance, security, or other support personnel. For facilities with a schedule that varies during the year, "operating hours/week" refers to the total weekly hours for the schedule most often followed.		☐
Workers on Main Shift	340	Is this the number of employees present during the main shift? Note this is not the total number of employees or visitors who are in a building during an entire 24 hour period. For example, if there are two daily 8 hour shifts of 100 workers each, the Workers on Main Shift value is 100. The normal worker density ranges between 0.3 and 5.3 workers per 1000 square feet (92.8 square meters)		☐
Number of PCs	436	Is this the number of personal computers in the Office?		☐
Percent Cooled	50% or more	Is this the percentage of the total floor space within the facility that is served by mechanical cooling equipment?		☐
Percent Heated	50% or more	Is this the percentage of the total floor space within the facility that is served by mechanical heating equipment?		☐

6-12

ENERGY STAR® Data Checklist for Commercial Buildings

Energy Consumption

Power Generation Plant or Distribution Utility: Westar Energy Inc

Fuel Type: Electricity

Meter: 714 Jackson - A (kWh (thousand Watt-hours))
Space(s): Entire Facility
Generation Method: Grid Purchase

Start Date	End Date	Energy Use (kWh (thousand Watt-hours))
07/15/2010	08/12/2010	18,800.00
06/15/2010	07/15/2010	26,400.00
05/13/2010	06/15/2010	23,200.00
04/14/2010	05/13/2010	20,800.00
03/16/2010	04/14/2010	25,600.00
02/17/2010	03/16/2010	27,200.00
01/19/2010	02/16/2010	19,600.00
12/15/2009	01/19/2010	24,000.00
11/12/2009	12/15/2009	24,000.00
10/13/2009	11/12/2009	20,000.00
09/14/2009	10/13/2009	20,000.00
714 Jackson - A Consumption (kWh (thousand Watt-hours))		**249,600.00**
714 Jackson - A Consumption (kBtu (thousand Btu))		**851,635.20**

Meter: 720 Jackson - A (kWh (thousand Watt-hours))
Space(s): Entire Facility
Generation Method: Grid Purchase

Start Date	End Date	Energy Use (kWh (thousand Watt-hours))
07/15/2010	08/12/2010	4,148.00
06/15/2010	07/15/2010	2,605.00
05/13/2010	06/15/2010	1,829.00
04/14/2010	05/13/2010	1,534.00
03/16/2010	04/14/2010	6,774.00
02/16/2010	03/16/2010	10,043.00
01/19/2010	02/16/2010	12,120.00
12/15/2009	01/19/2010	14,934.00
11/12/2009	12/15/2009	9,563.00
10/13/2009	11/12/2009	5,220.00
09/14/2009	10/13/2009	2,023.00
720 Jackson - A Consumption (kWh (thousand Watt-hours))		**70,793.00**
720 Jackson - A Consumption (kBtu (thousand Btu))		**241,545.72**

Meter: 720 Jackson - B (kWh (thousand Watt-hours))
Space(s): Entire Facility
Generation Method: Grid Purchase

Start Date	End Date	Energy Use (kWh (thousand Watt-hours))
07/15/2010	08/12/2010	49,120.00
06/15/2010	07/15/2010	42,960.00
05/13/2010	06/15/2010	42,480.00
04/14/2010	05/13/2010	34,400.00
03/16/2010	04/14/2010	34,960.00
02/16/2010	03/16/2010	38,480.00
01/19/2010	02/16/2010	42,160.00
12/15/2009	01/19/2010	56,400.00
11/12/2009	12/15/2009	48,320.00
10/13/2009	11/12/2009	39,600.00
09/14/2009	10/13/2009	38,320.00
720 Jackson - B Consumption (kWh (thousand Watt-hours))		**467,200.00**
720 Jackson - B Consumption (kBtu (thousand Btu))		**1,594,086.40**

Meter: 700 Jackson - 9822105116 (kWh (thousand Watt-hours))
Space(s): Entire Facility
Generation Method: Grid Purchase

Start Date	End Date	Energy Use (kWh (thousand Watt-hours))
07/15/2010	08/12/2010	148,000.00
06/15/2010	07/15/2010	181,000.00
05/16/2010	06/15/2010	170,000.00
04/17/2010	05/16/2010	125,000.00
03/17/2010	04/16/2010	123,000.00
02/17/2010	03/16/2010	107,000.00
01/19/2010	02/16/2010	110,000.00
12/15/2009	01/19/2010	138,000.00
11/12/2009	12/15/2009	115,000.00
10/13/2009	11/12/2009	118,000.00
09/14/2009	10/13/2009	139,000.00
700 Jackson - 9822105116 Consumption (kWh (thousand Watt-hours))		**1,474,000.00**
700 Jackson - 9822105116 Consumption (kBtu (thousand Btu))		**5,029,288.00**

Meter: 714 Jackson - 0643562421 (kWh (thousand Watt-hours))
Space(s): Entire Facility
Generation Method: Grid Purchase

Start Date	End Date	Energy Use (kWh (thousand Watt-hours))
07/15/2010	08/12/2010	14,480.00
06/15/2010	07/15/2010	13,840.00
05/13/2010	06/15/2010	12,400.00
04/14/2010	05/13/2010	7,520.00
03/16/2010	04/14/2010	7,200.00
02/17/2010	03/16/2010	6,400.00
01/19/2010	02/16/2010	6,160.00

12/15/2009	01/19/2010	7,200.00
11/12/2009	12/15/2009	6,720.00
10/13/2009	11/12/2009	5,920.00
09/14/2009	10/13/2009	7,200.00
714 Jackson - 0643562421 Consumption (kWh (thousand Watt-hours))		**95,040.00**
714 Jackson - 0643562421 Consumption (kBtu (thousand Btu))		**324,276.48**
Total Electricity (Grid Purchase) Consumption (kBtu (thousand Btu))		**8,040,831.80**
Is this the total Electricity (Grid Purchase) consumption at this building including all Electricity meters?		☐

Fuel Type: Natural Gas

Meter: Kansas Gas Service (ccf (hundred cubic feet))
Space(s): Entire Facility

Start Date	End Date	Energy Use (ccf (hundred cubic feet))
08/01/2010	08/31/2010	59.00
07/01/2010	07/31/2010	59.00
06/01/2010	06/30/2010	202.00
05/01/2010	05/31/2010	202.00
04/01/2010	04/30/2010	470.00
03/01/2010	03/31/2010	3,936.00
02/01/2010	02/28/2010	9,337.00
01/01/2010	01/31/2010	11,068.00
12/01/2009	12/31/2009	7,481.00
11/01/2009	11/30/2009	1,264.00
10/01/2009	10/31/2009	2,354.00
09/01/2009	09/30/2009	69.00
Kansas Gas Service Consumption (ccf (hundred cubic feet))		**36,501.00**
Kansas Gas Service Consumption (kBtu (thousand Btu))		**3,755,952.90**
Total Natural Gas Consumption (kBtu (thousand Btu))		**3,755,952.90**
Is this the total Natural Gas consumption at this building including all Natural Gas meters?		☐

Additional Fuels	
Do the fuel consumption totals shown above represent the total energy use of this building? Please confirm there are no additional fuels (district energy, generator fuel oil) used in this facility.	☐

On-Site Solar and Wind Energy	
Do the fuel consumption totals shown above include all on-site solar and/or wind power located at your facility? Please confirm that no on-site solar or wind installations have been omitted from this list. All on-site systems must be reported.	☐

Certifying Professional

(When applying for the ENERGY STAR, the Certifying Professional must be the same PE or RA that signed and stamped the SEP.)

Name: _____ Date: _____

Signature: _____

Signature is required when applying for the ENERGY STAR.

6-15

FOR YOUR RECORDS ONLY. DO NOT SUBMIT TO EPA.

Please keep this Facility Summary for your own records; do not submit it to EPA. Only the Statement of Energy Performance (SEP), Data Checklist and Letter of Agreement need to be submitted to EPA when applying for the ENERGY STAR.

Facility
Jayhawk Tower Complex
700-720 SW Jackson
Topeka, KS 66603

Facility Owner
Jayhawk Tower Partners, LLC
700 SW Jackson, Ste 200
Topeka, KS 66603

Primary Contact for this Facility
N/A

General Information

Jayhawk Tower Complex	
Gross Floor Area Excluding Parking: (ft²)	150,359
Year Built	1926
For 12-month Evaluation Period Ending Date:	August 31, 2010

Facility Space Use Summary

Jayhawk Tower Complex	
Space Type	Office
Gross Floor Area(ft²)	150,359
Weekly operating hours	76
Workers on Main Shift	340
Number of PCs	436
Percent Cooled	50% or more
Percent Heated	50% or more

Energy Performance Comparison

	Evaluation Periods		Comparisons		
Performance Metrics	Current (Ending Date 08/31/2010)	Baseline (Ending Date 11/30/2009)	Rating of 75	Target	National Average
Energy Performance Rating	73	68	75	N/A	50
Energy Intensity					
Site (kBtu/ft2)	83	87	82	N/A	111
Source (kBtu/ft2)	223	231	219	N/A	297
Energy Cost					
$/year	N/A	N/A	N/A	N/A	N/A
$/ft²/year	N/A	N/A	N/A	N/A	N/A
Greenhouse Gas Emissions					
$MtCO_2e$/year	2,525	2,619	2,483	N/A	3,357
$kgCO_2e/ft^2$/year	17	17	17	N/A	23

More than 50% of your building is defined as Office. Please note that your rating accounts for all of the spaces listed. The National Average column presents energy performance data your building would have if your building had an average rating of 50.

Notes:
o - This attribute is optional.
d - A default value has been supplied by Portfolio Manager.

6-16

Attachment 7
JC-SBC 11-10-10

PRESENTATION FOR THE JOINT COMMITTEE ON STATE BUILDING CONSTRUCTION

Pittsburg State University 2010

Agenda

2

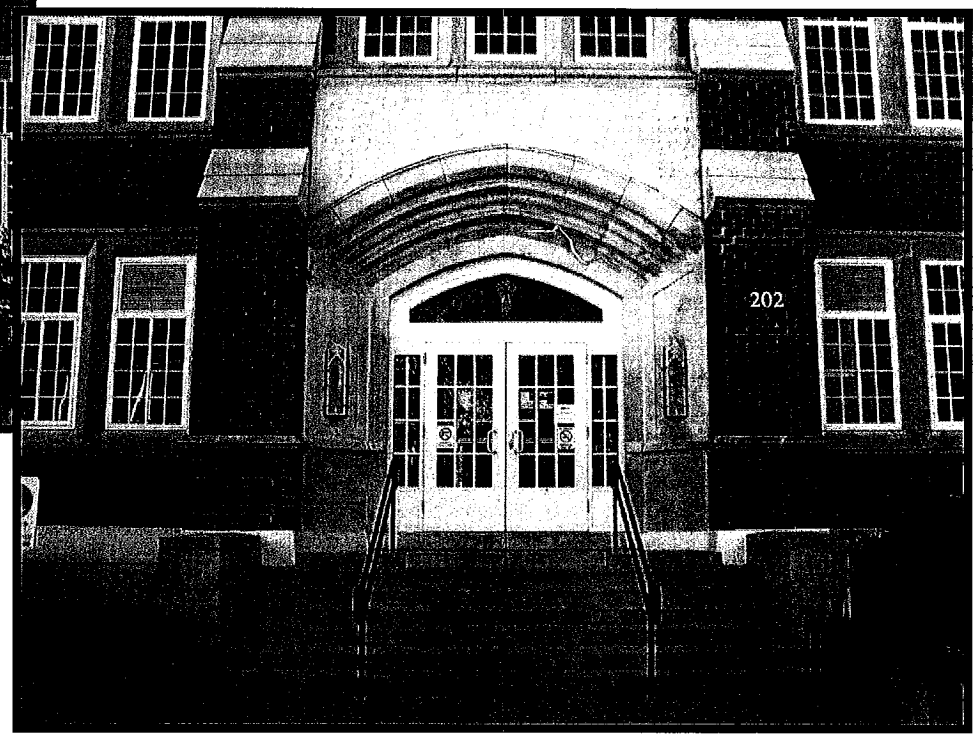
Pittsburg State University

Deferred Maintenance

AFTER

- Porter Hall

BEFORE

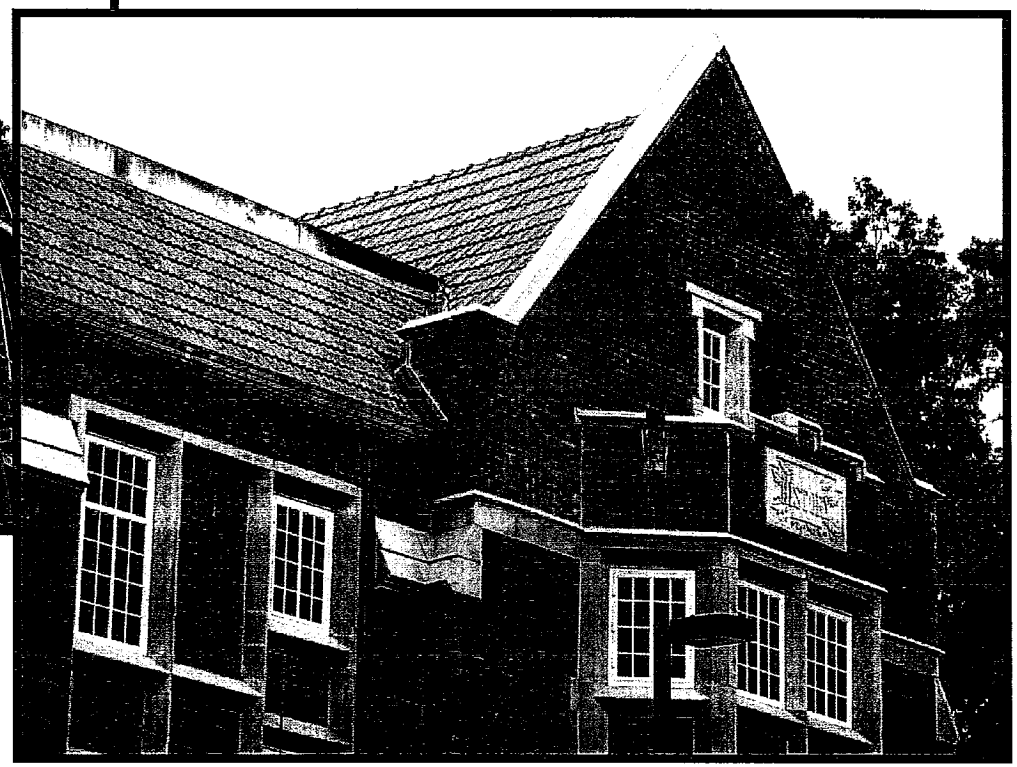


Deferred Maintenance

- Porter Hall

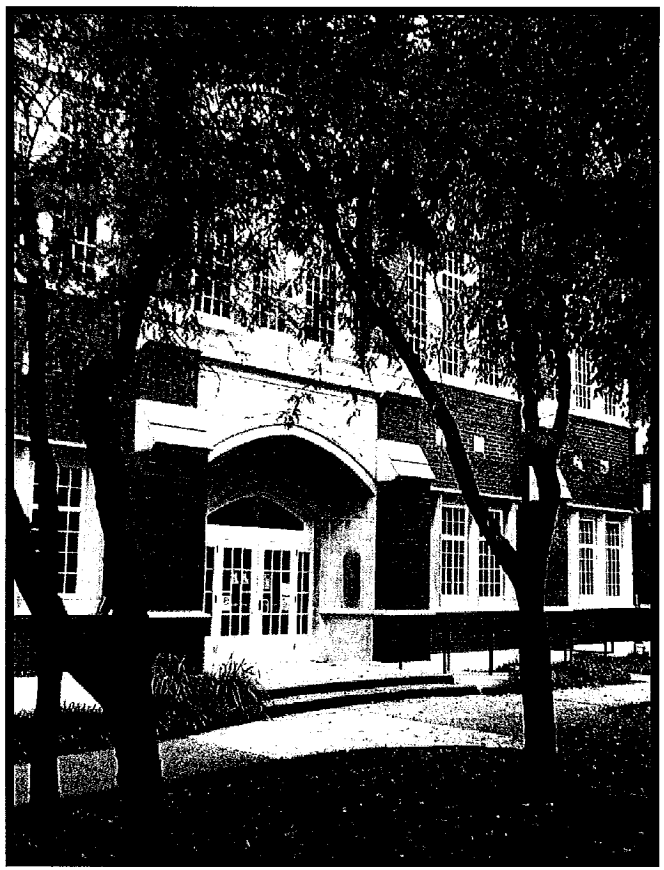
BEFORE

AFTER



Deferred Maintenance

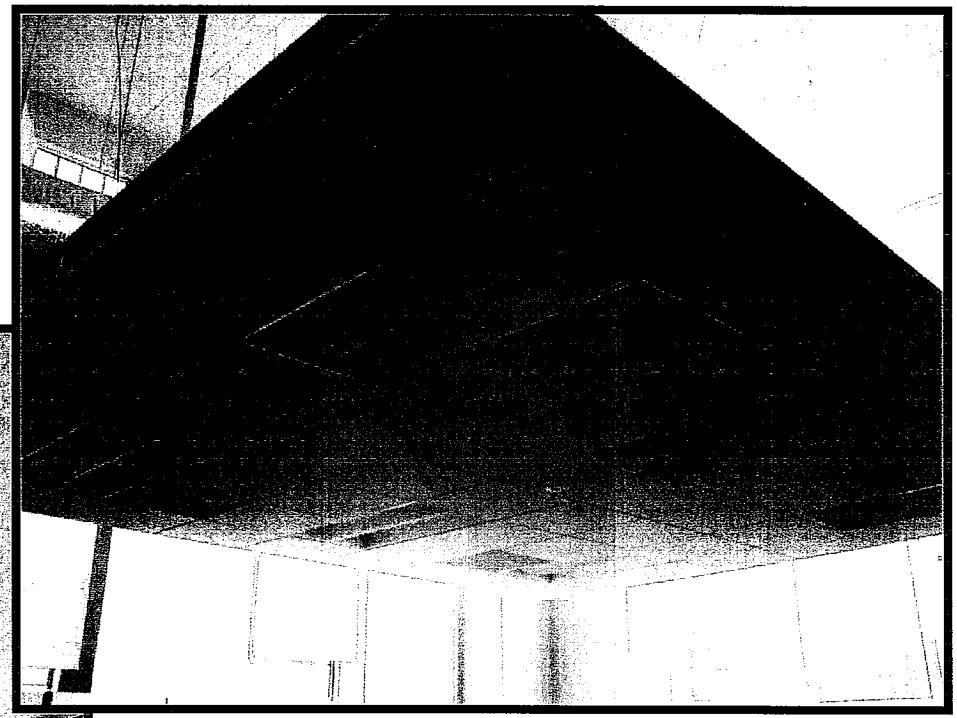
- Porter Hall

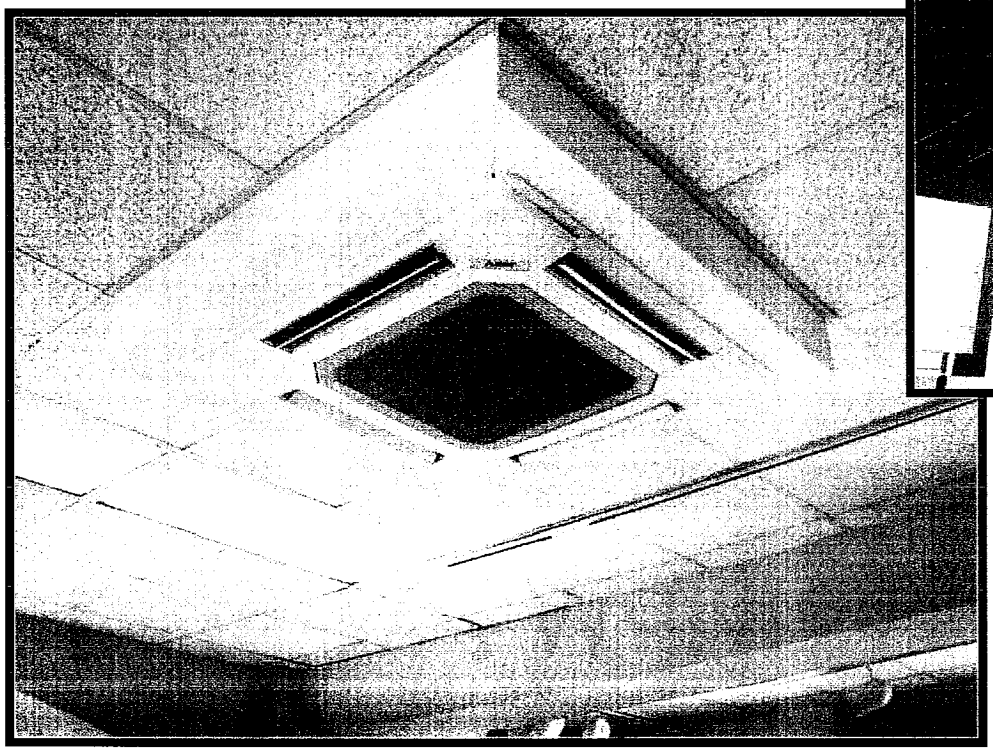


AFTER

Deferred Maintenance

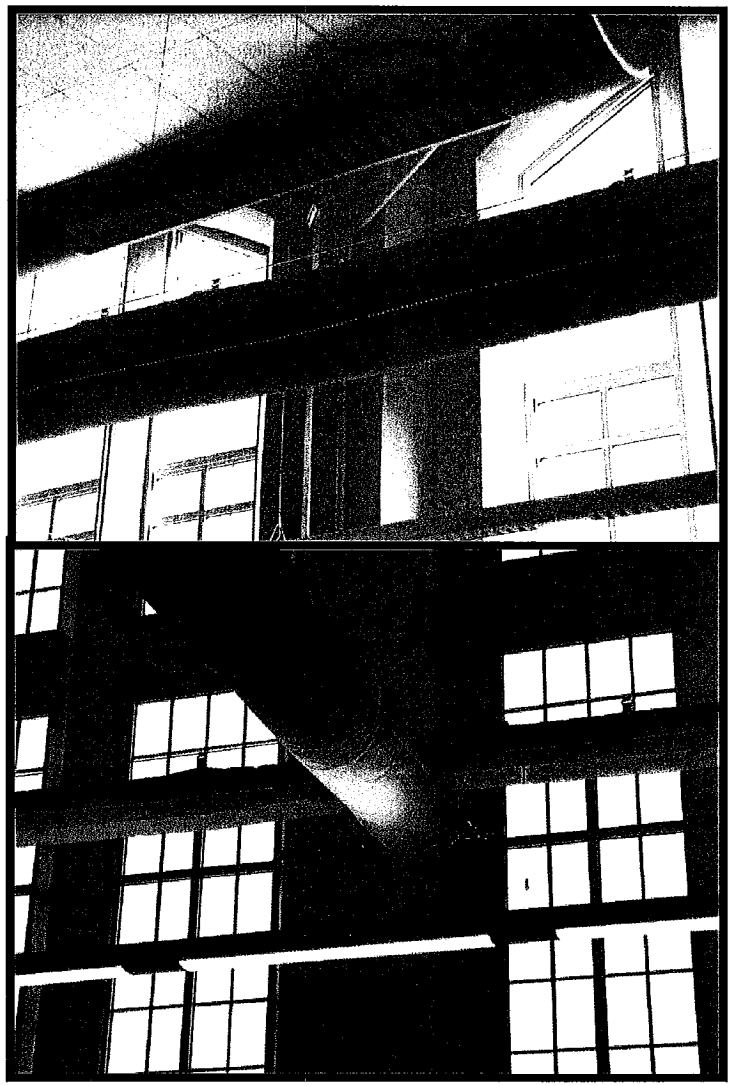
- Porter Hall





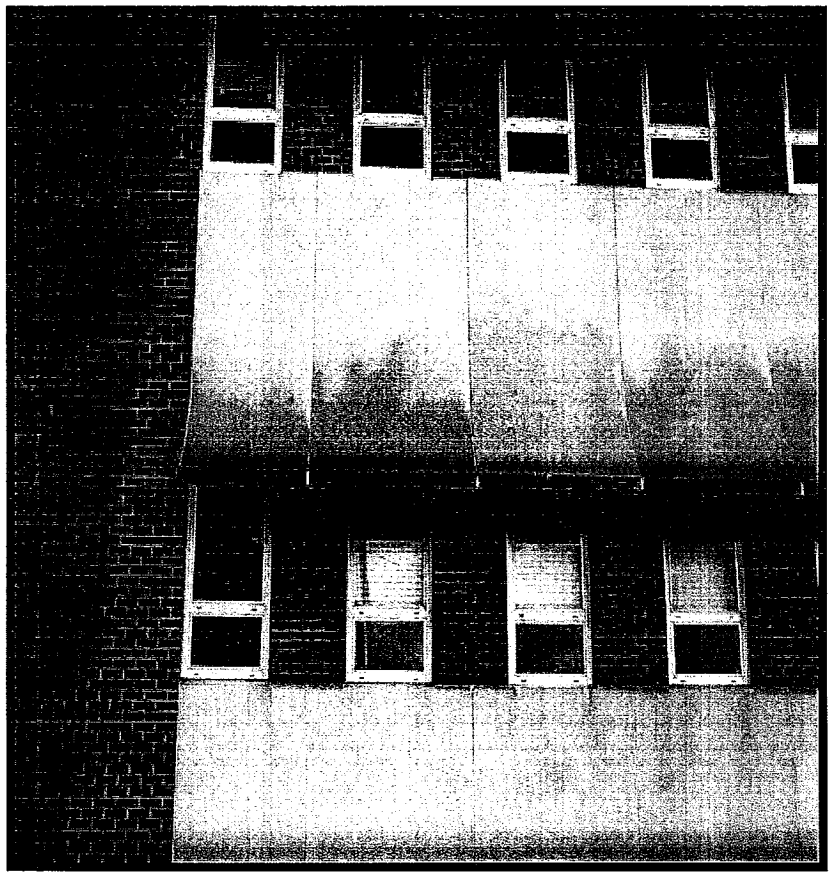
Deferred Maintenance

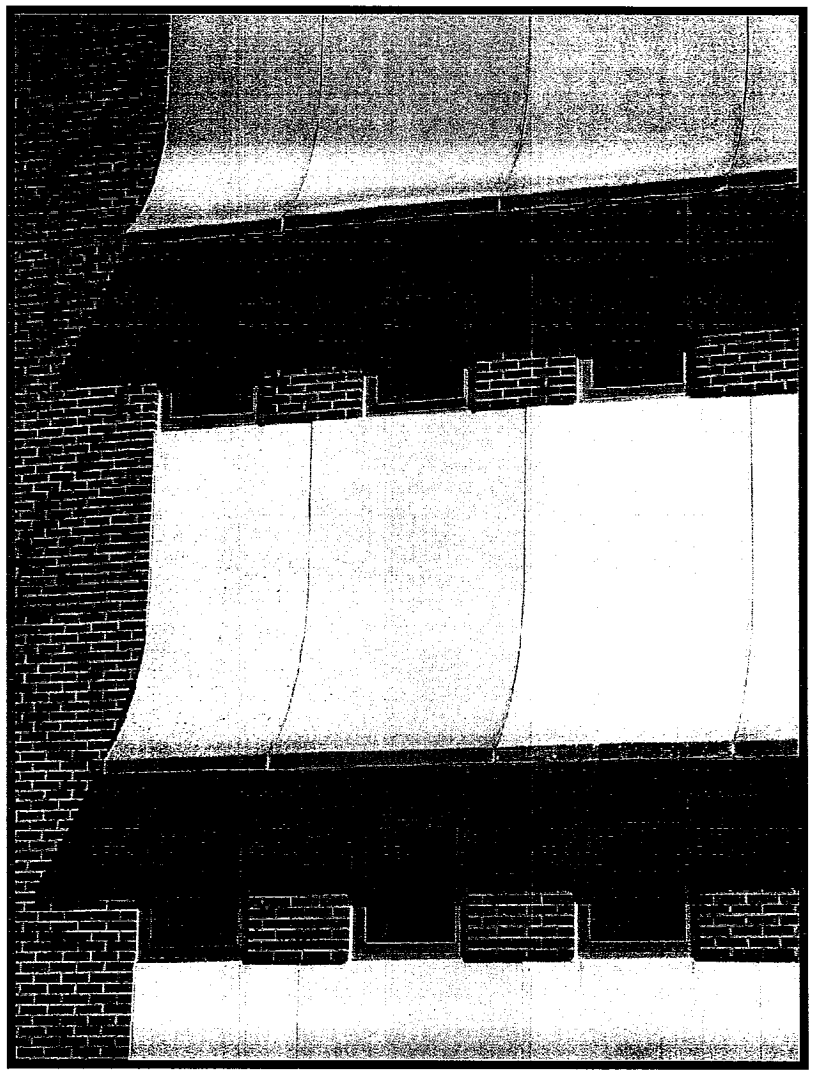
- Porter Hall



Deferred Maintenance

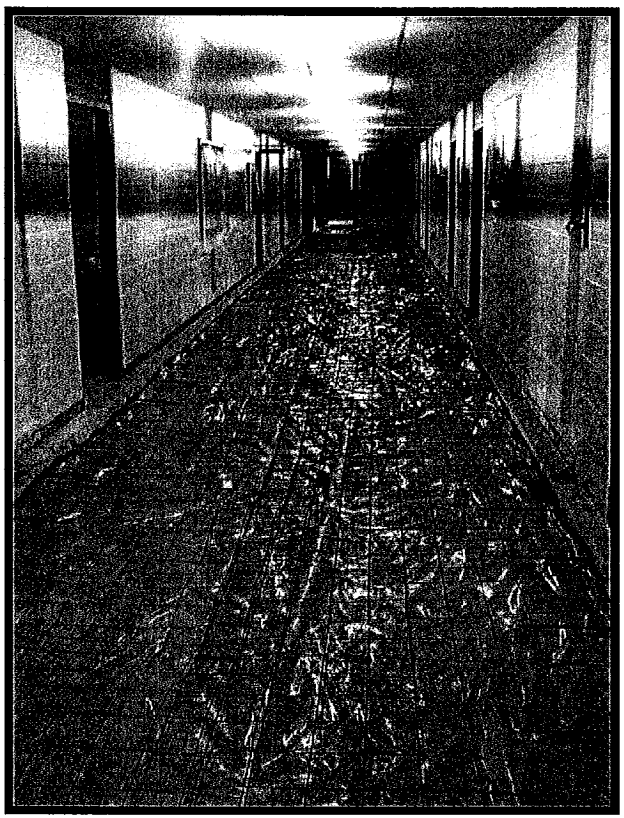
- Grubbs Hall





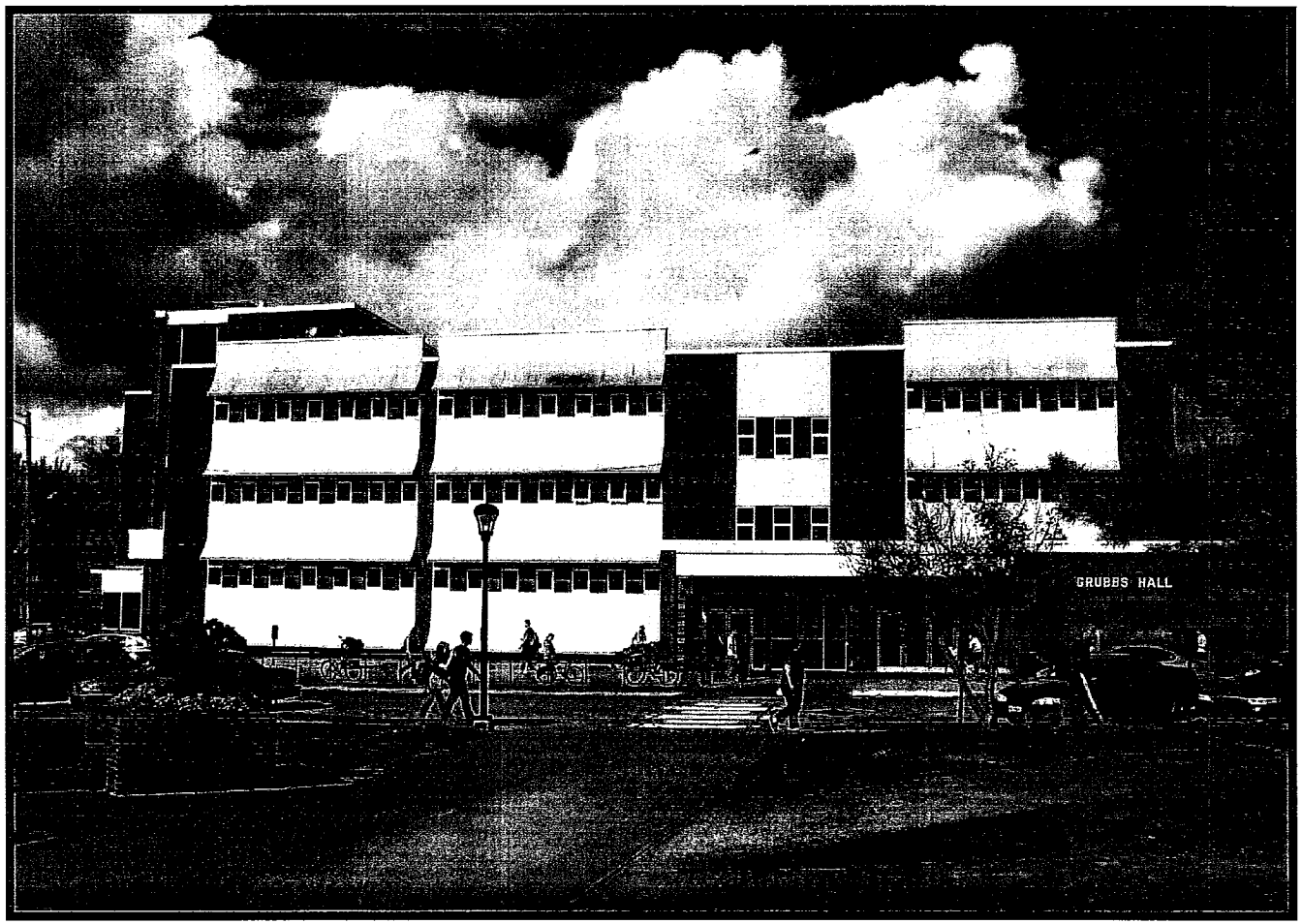
Deferred Maintenance

- Grubbs Hall



Deferred Maintenance

- Grubbs Hall

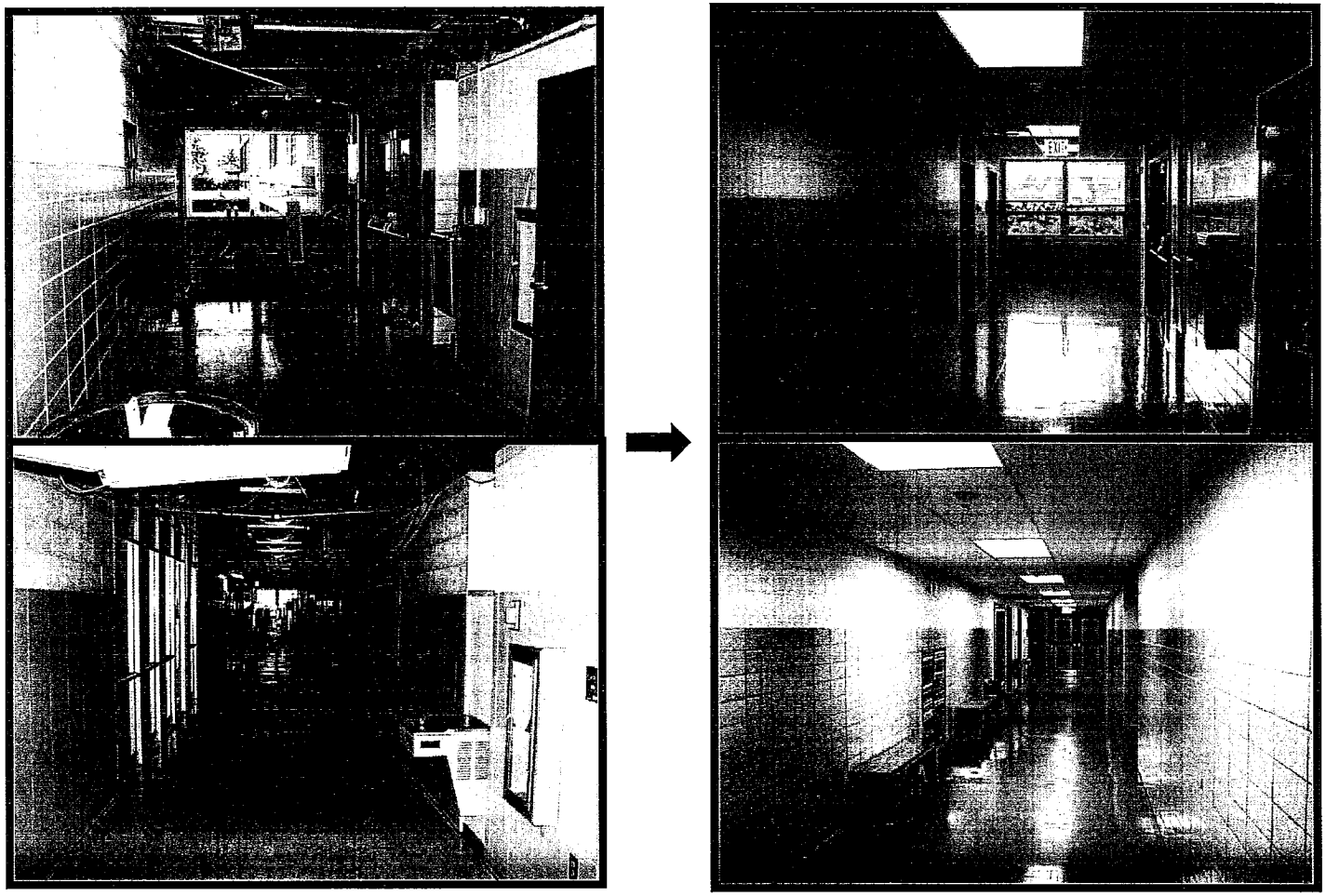


Deferred Maintenance

- Yates Hall

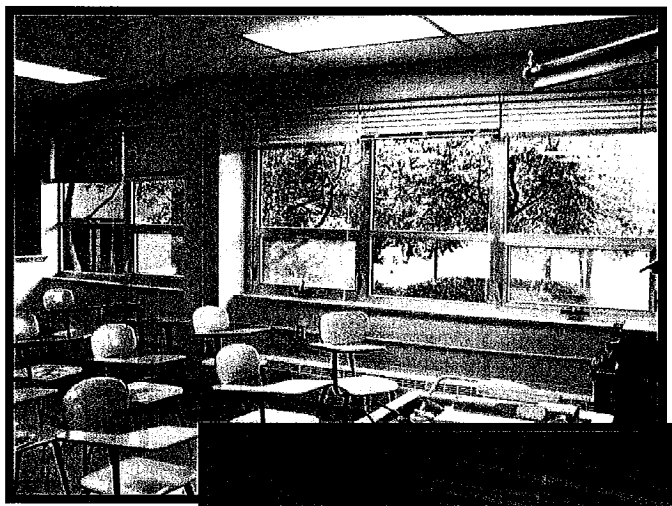
Deferred Maintenance

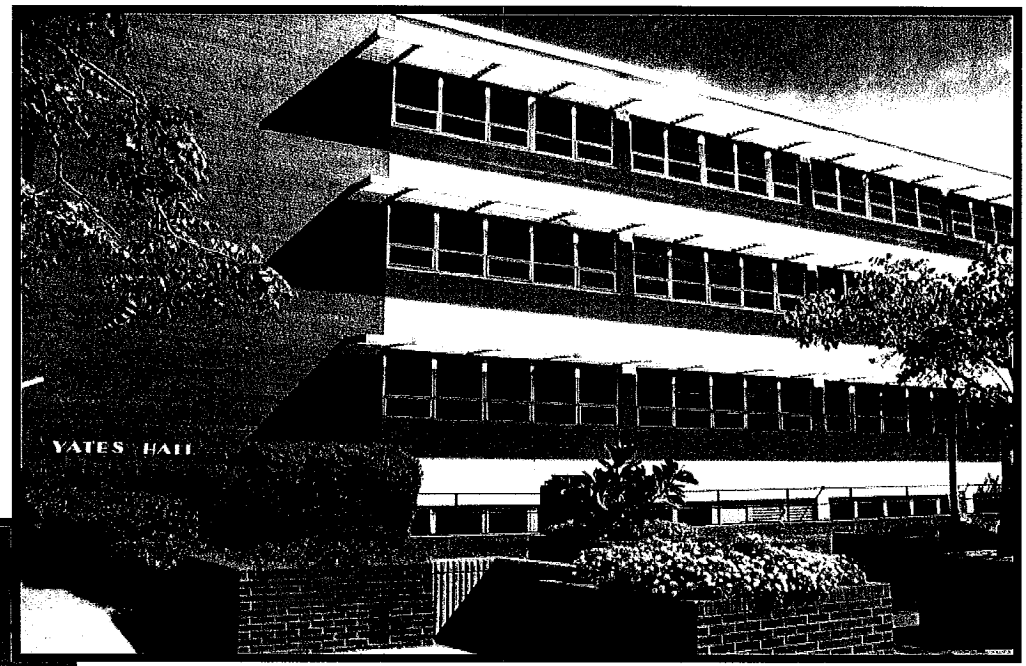
- Yates Hall – Interior



Deferred Maintenance

- Yates Hall



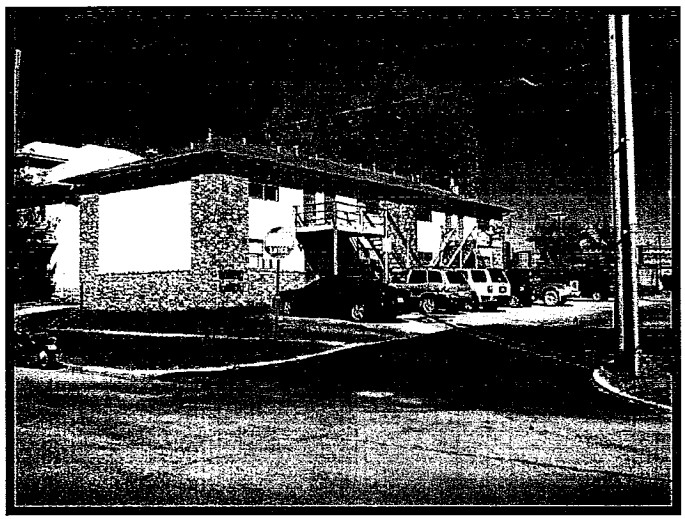


Parking Maintenance & Improvements

- Parking Expansion

Ford/Joplin Streets

Elm Street

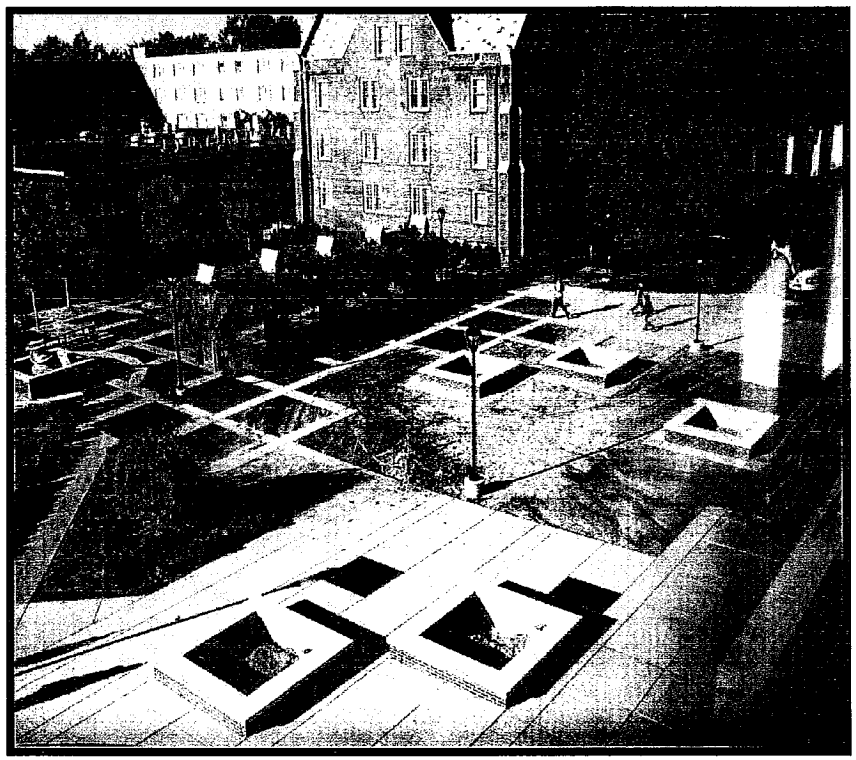


Parking Maintenance & Improvements

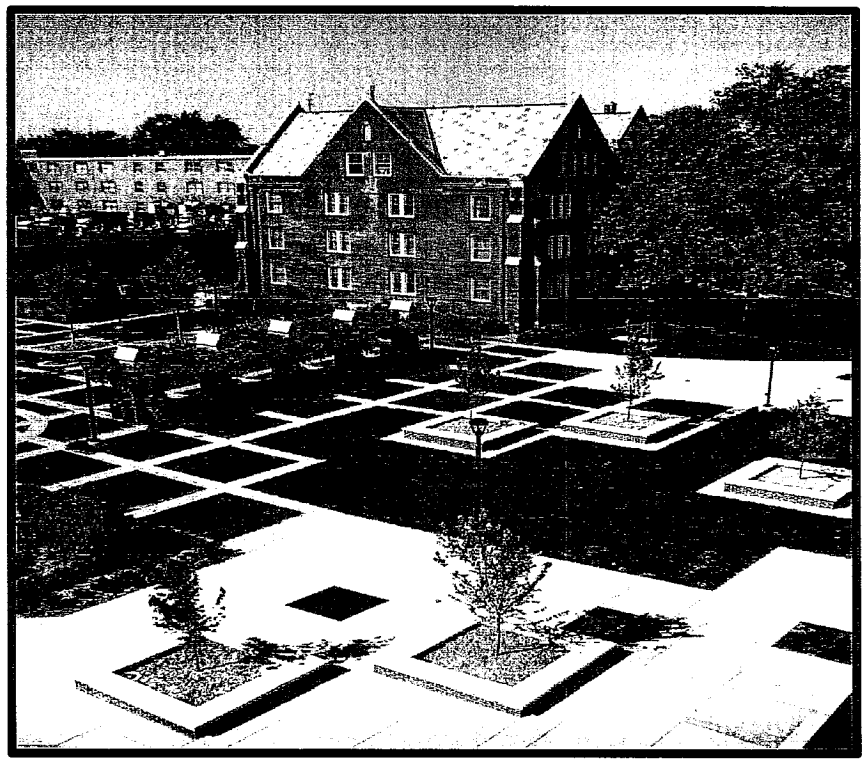
- Lindburg Plaza

Parking Maintenance & Improvements

- Lindburg Plaza



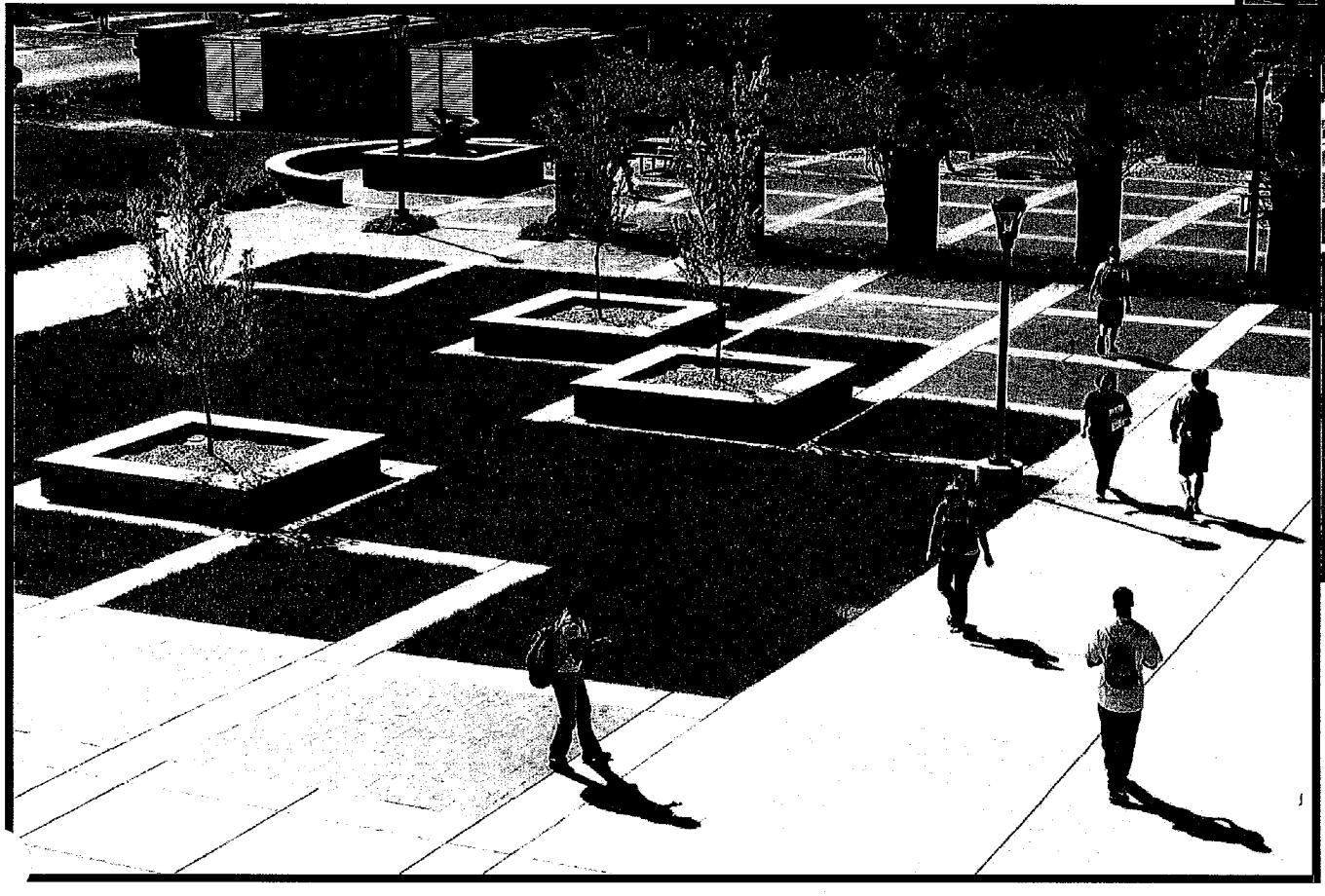
During Construction

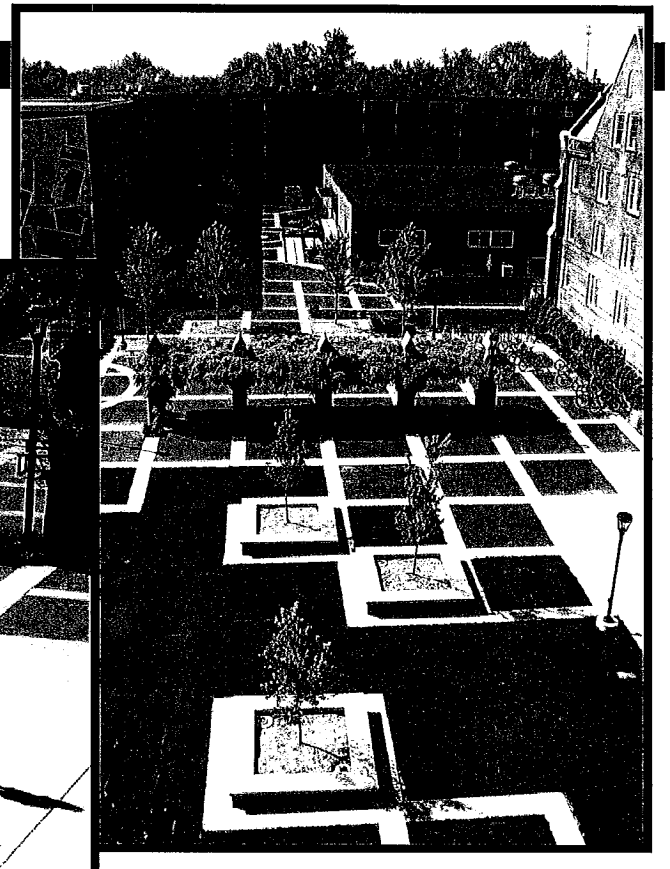


After Construction

Parking Maintenance & Improvements

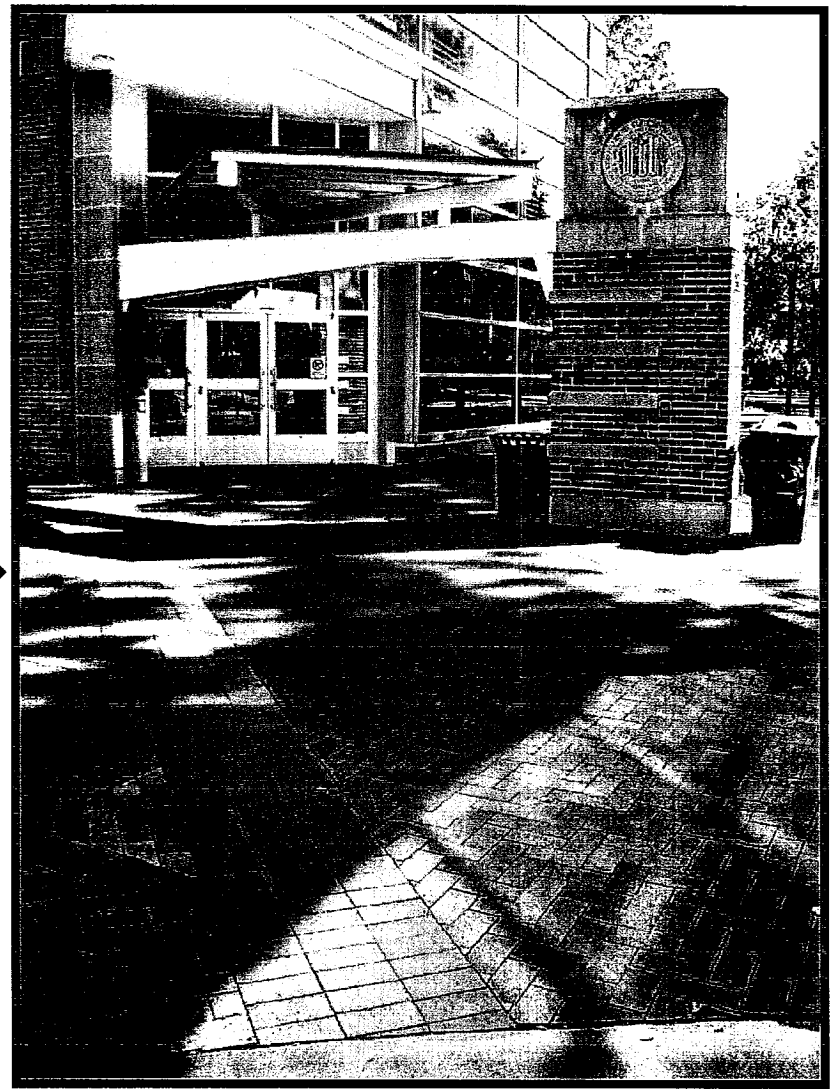
- Lindburg Plaza





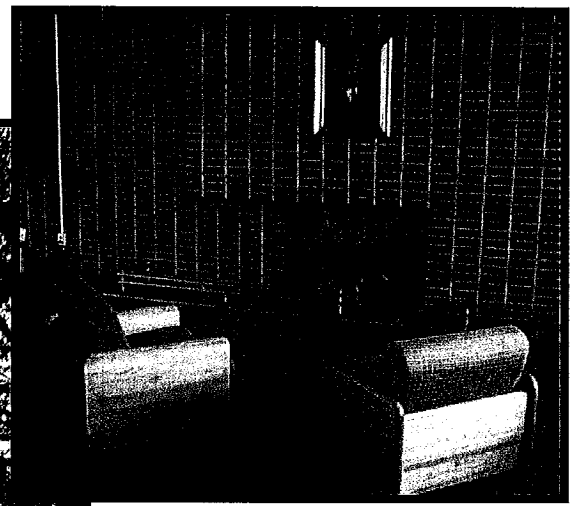
JHO Student Center Improvements

- Entrance Paving



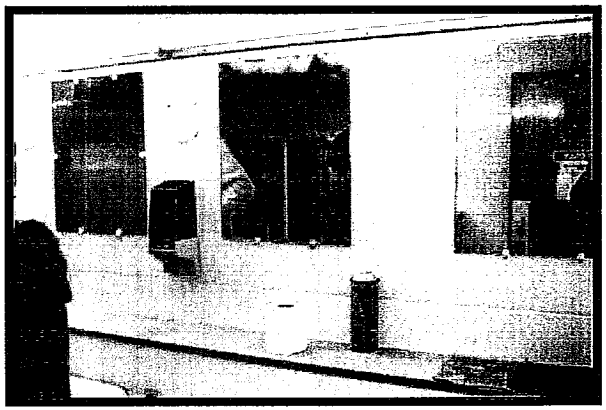
Housing System Maintenance/Improvements

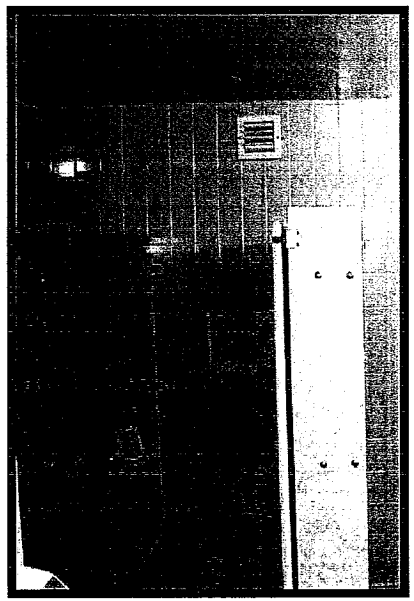
- Trout Hall Renovations

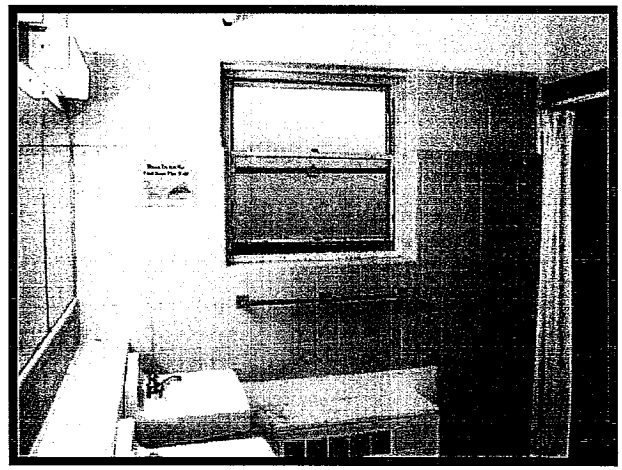


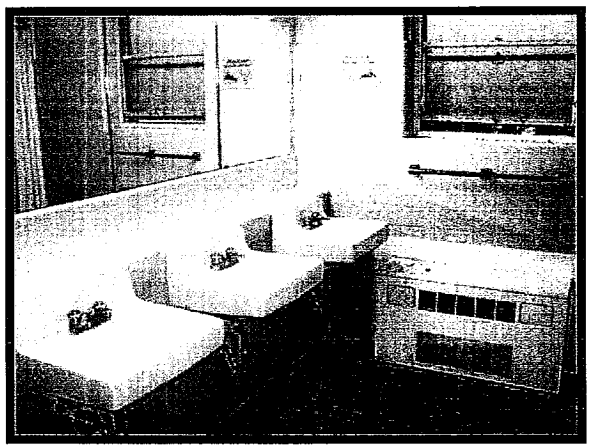
Housing System Maintenance/Improvements

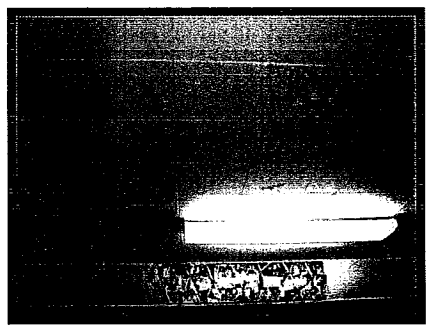
- Trout Hall Renovations - Before

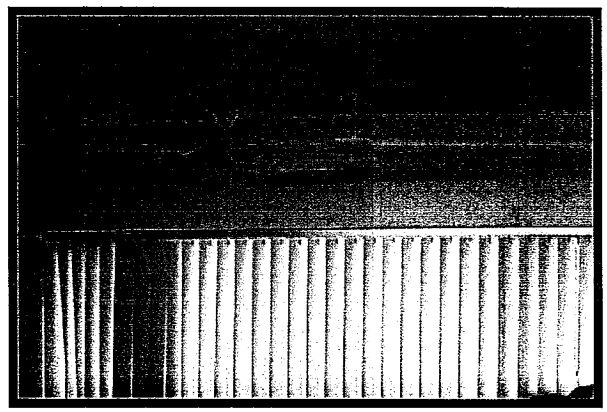






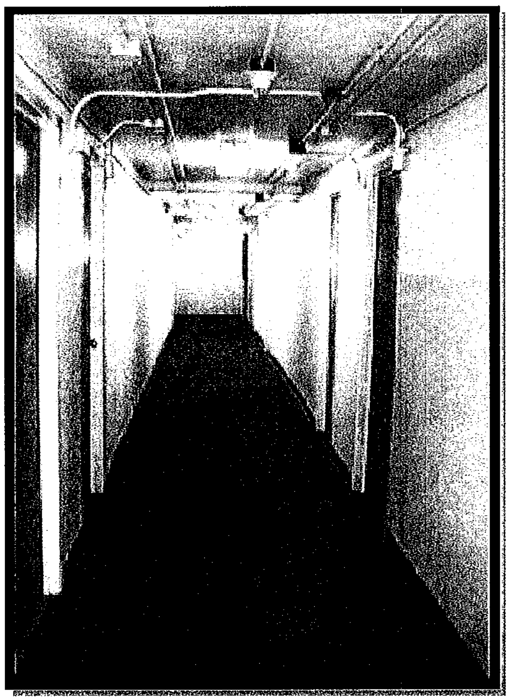






Housing System Maintenance/Improvements

- Trout Hall Renovations

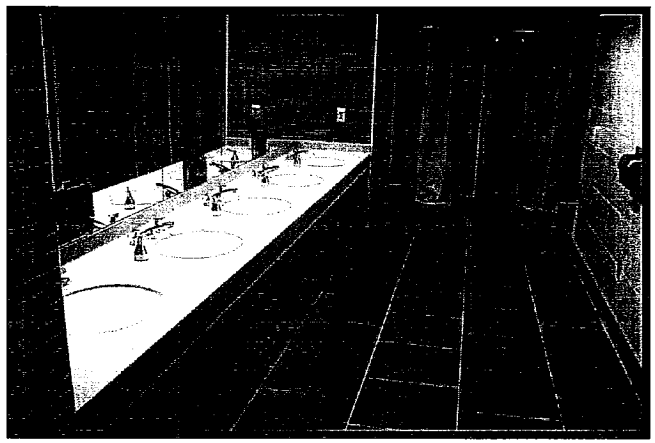
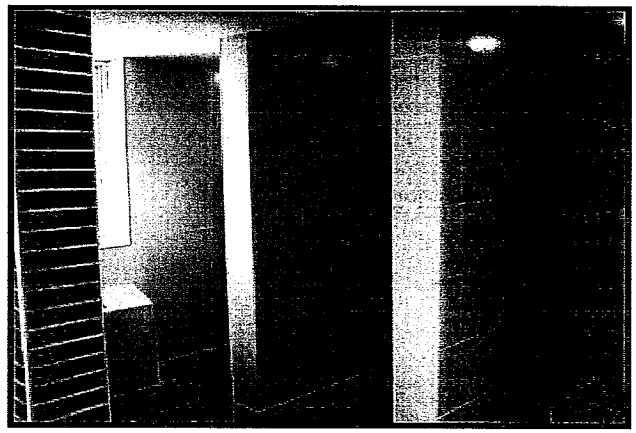
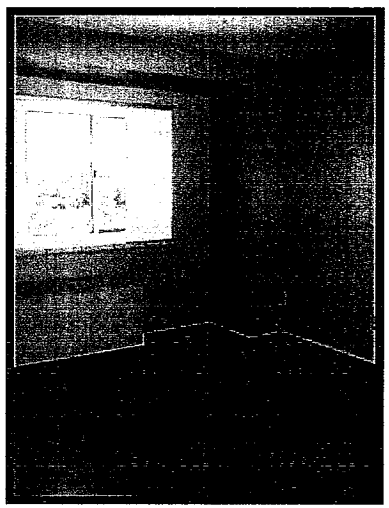
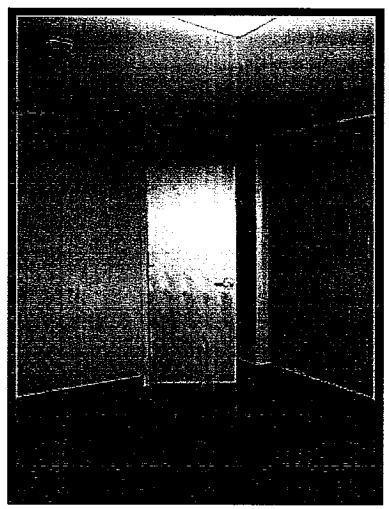
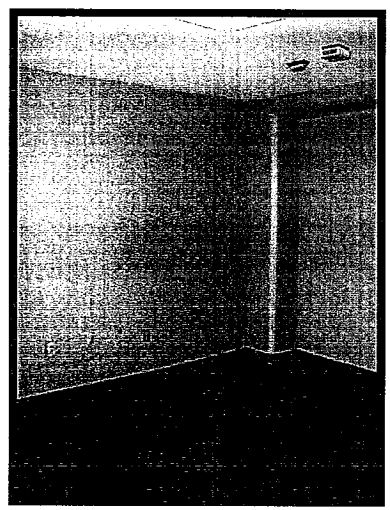


BEFORE

AFTER

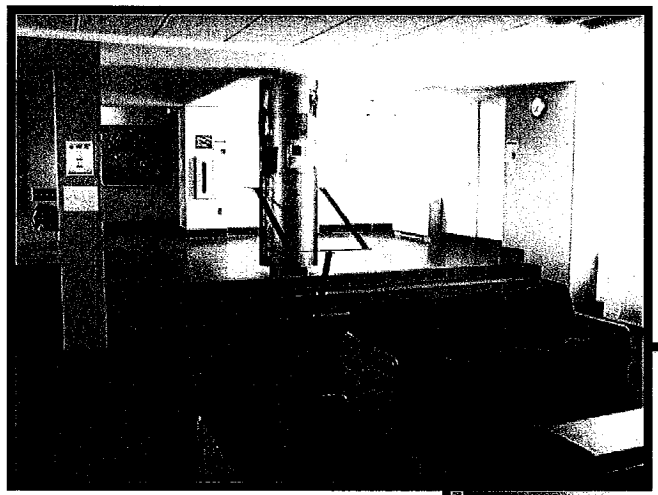
Housing System Maintenance/Improvements

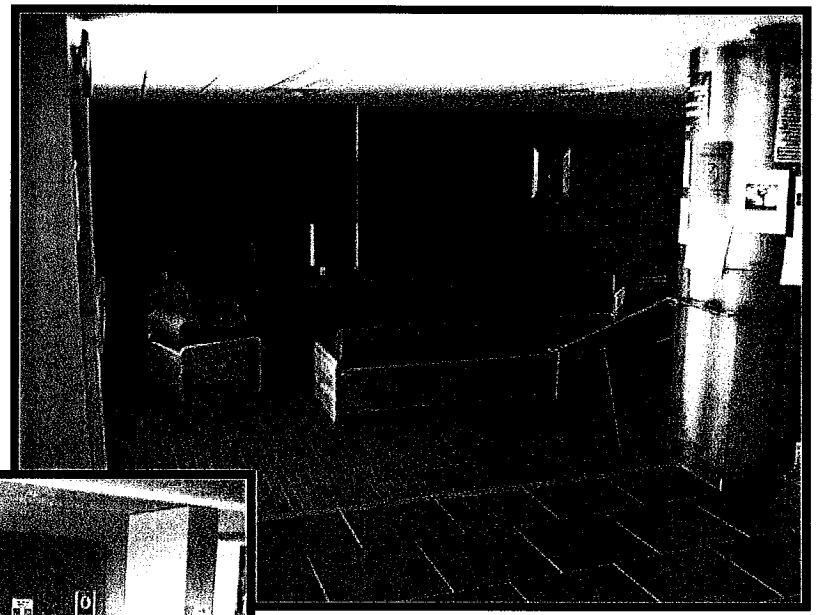
- Trout Hall Renovations - After

Housing System Maintenance/Improvements

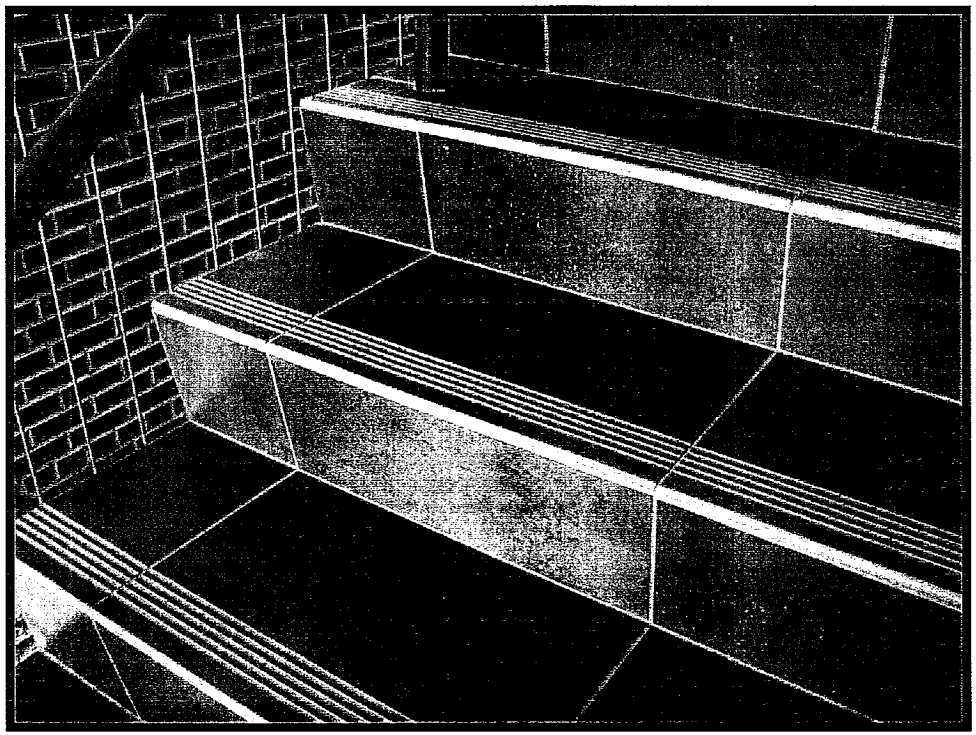
- Trout Hall Renovations - After





Housing System Maintenance/Improvements

- Trout Hall Renovations - After

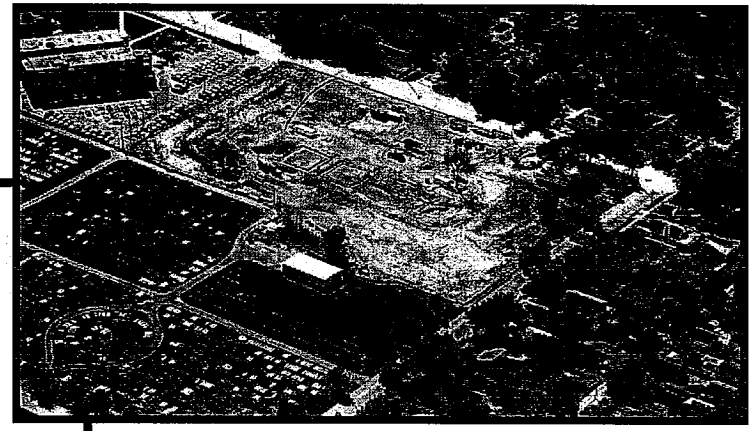


Housing System Maintenance/Improvements

- New Student Housing

Housing System Maintenance/Improvements

- New Student Housing



Housing System Maintenance/Improvements

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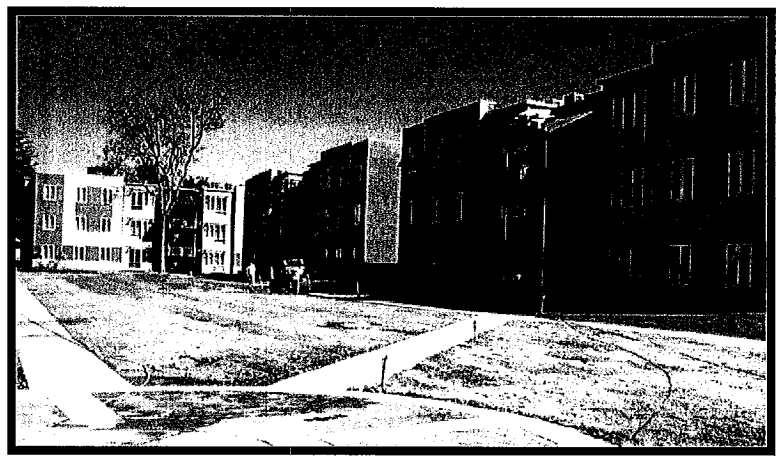
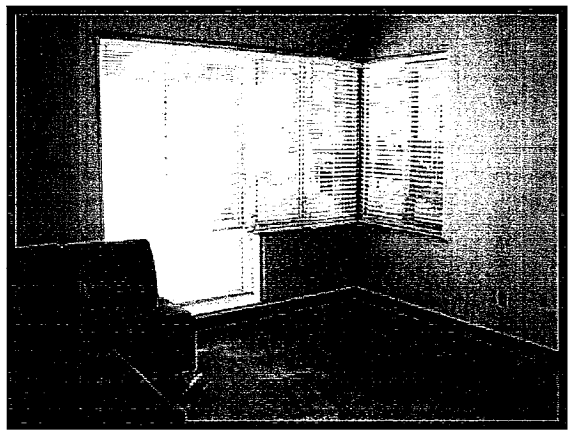
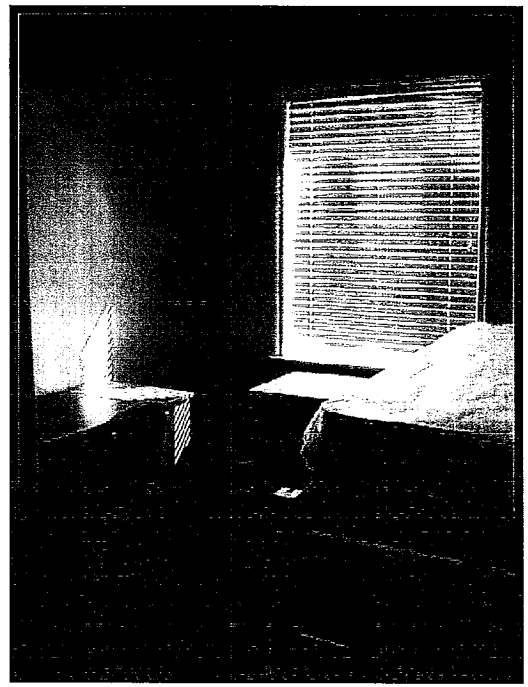
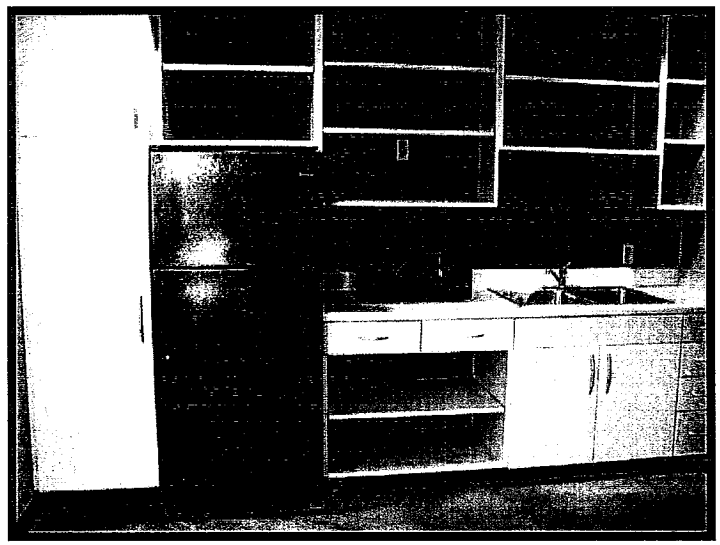


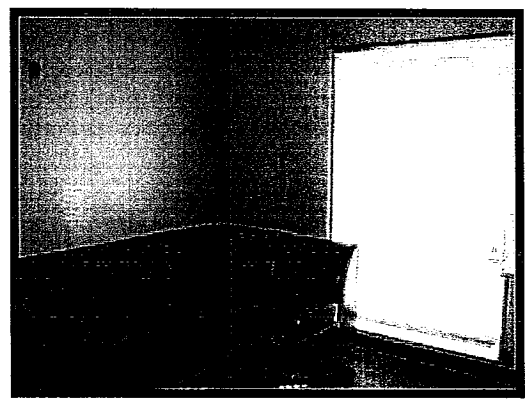
Housing System Maintenance/Improvements

- New Student Housing



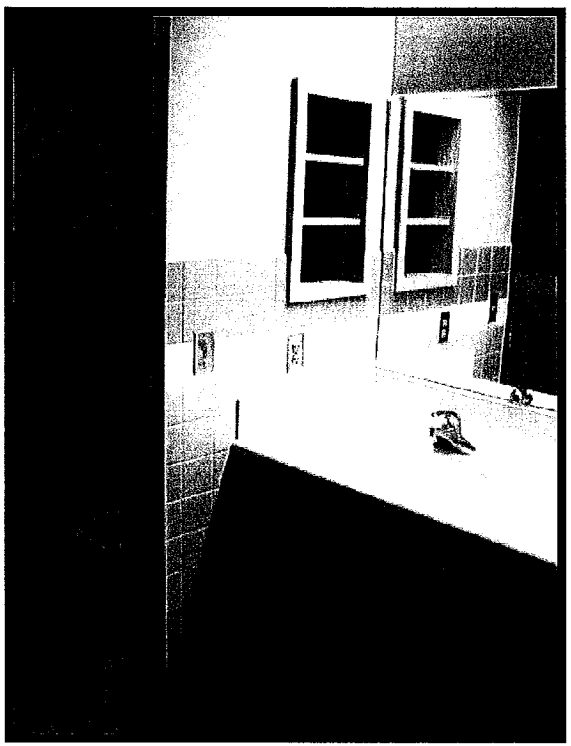


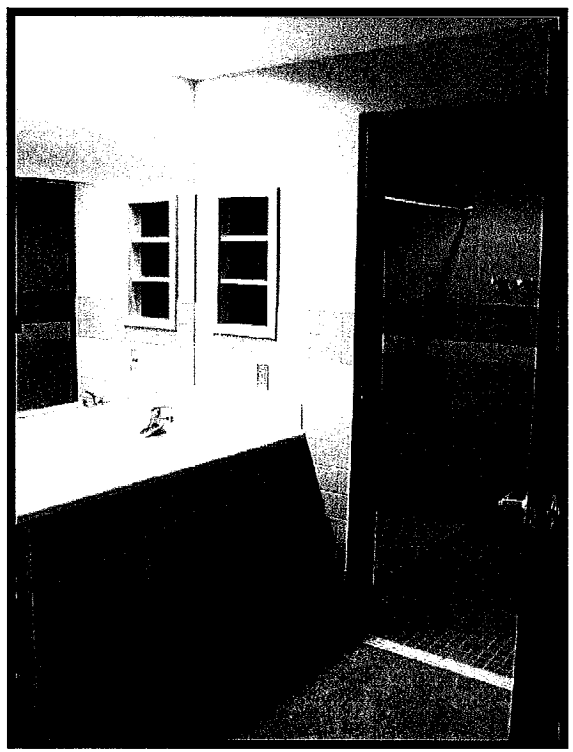


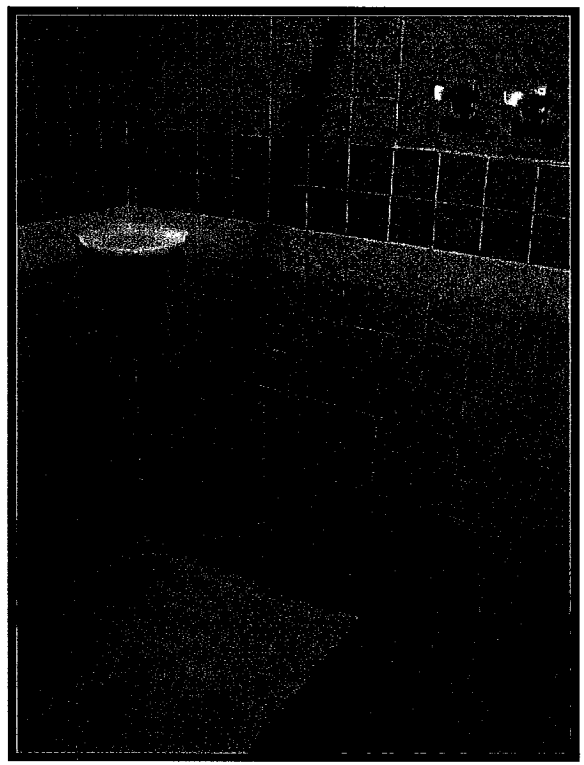


Housing System Maintenance/Improvements

- New Student Housing

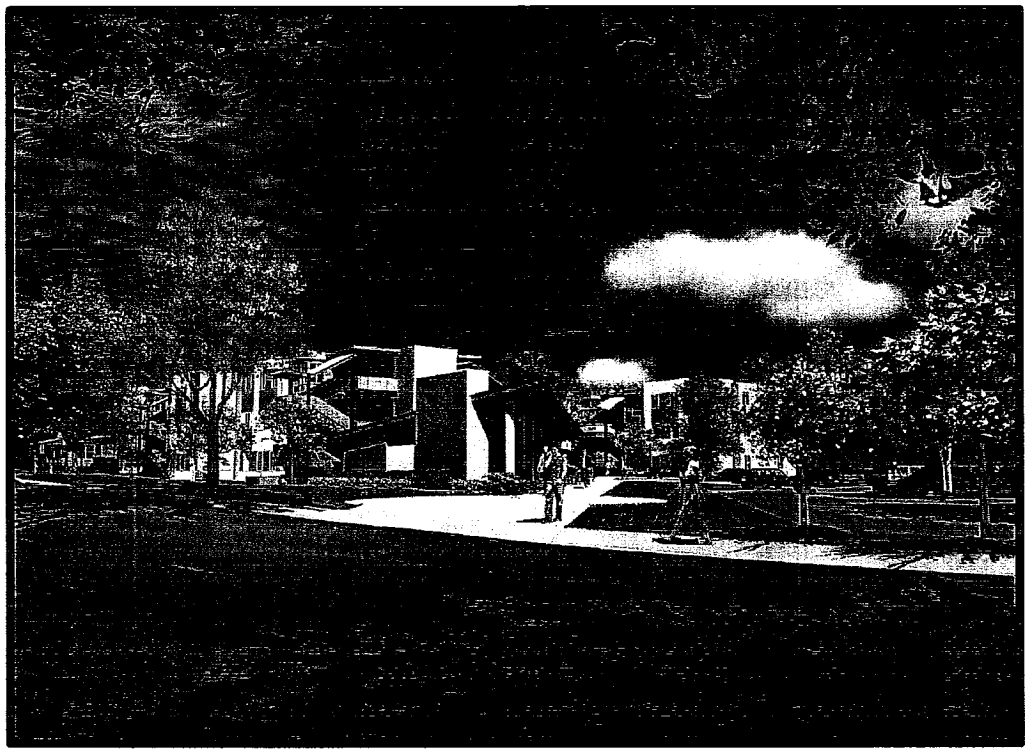


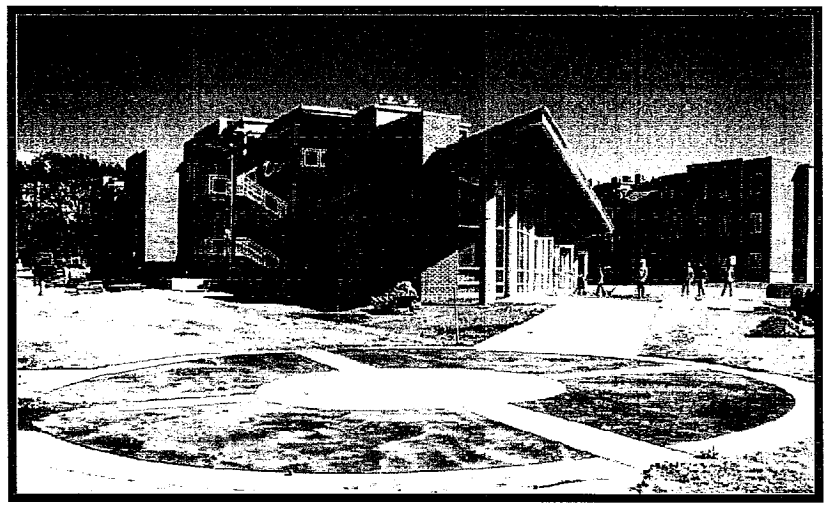




Housing System Maintenance/Improvements

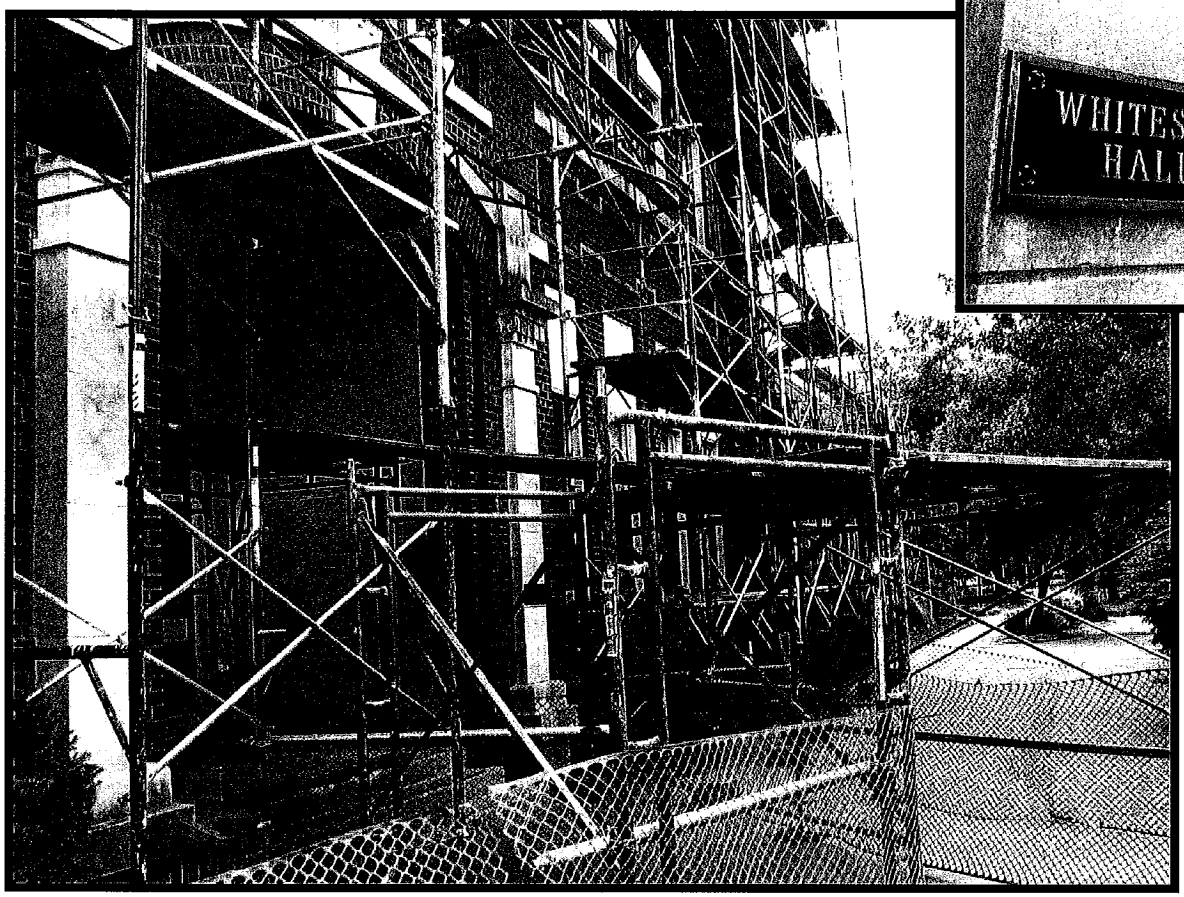
- New Student Housing





Other Projects

- Whitesitt Hall Windows and Masonry Restoration



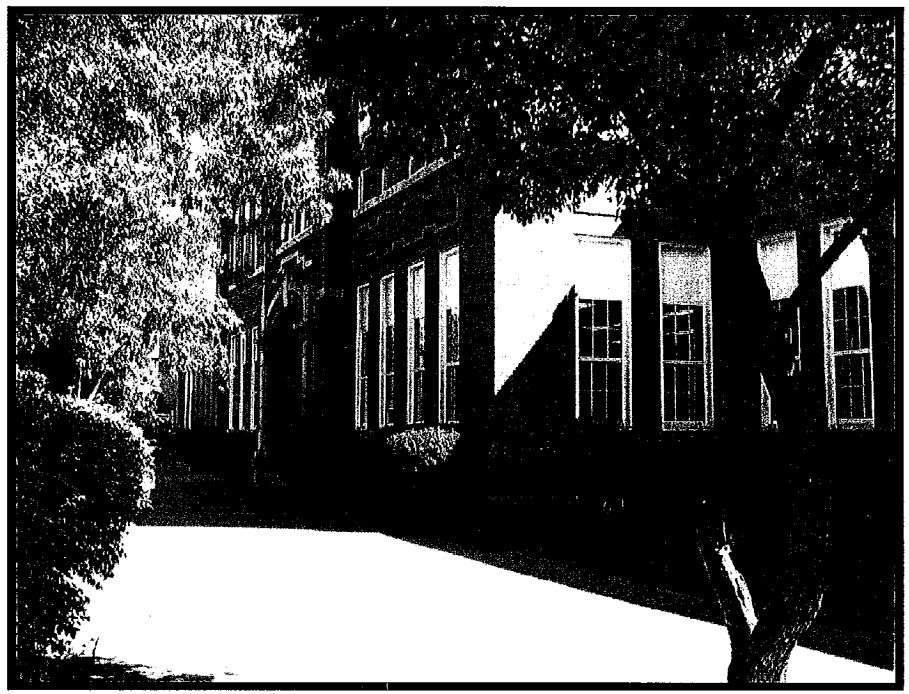
7-31

Other Projects

- Whitesitt Hall Windows and Masonry Restoration

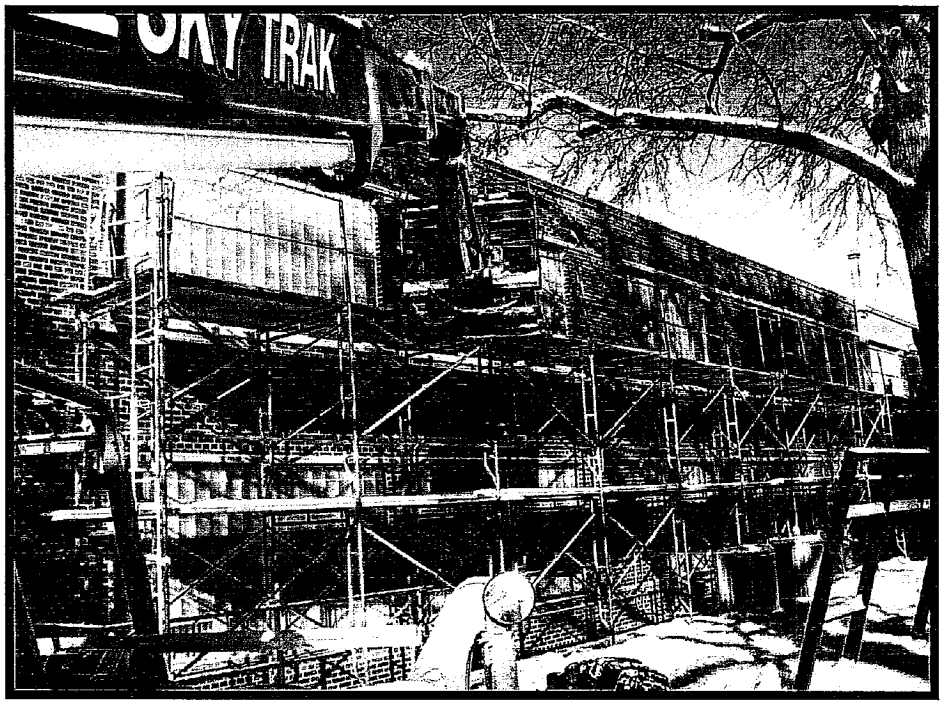
Other Projects

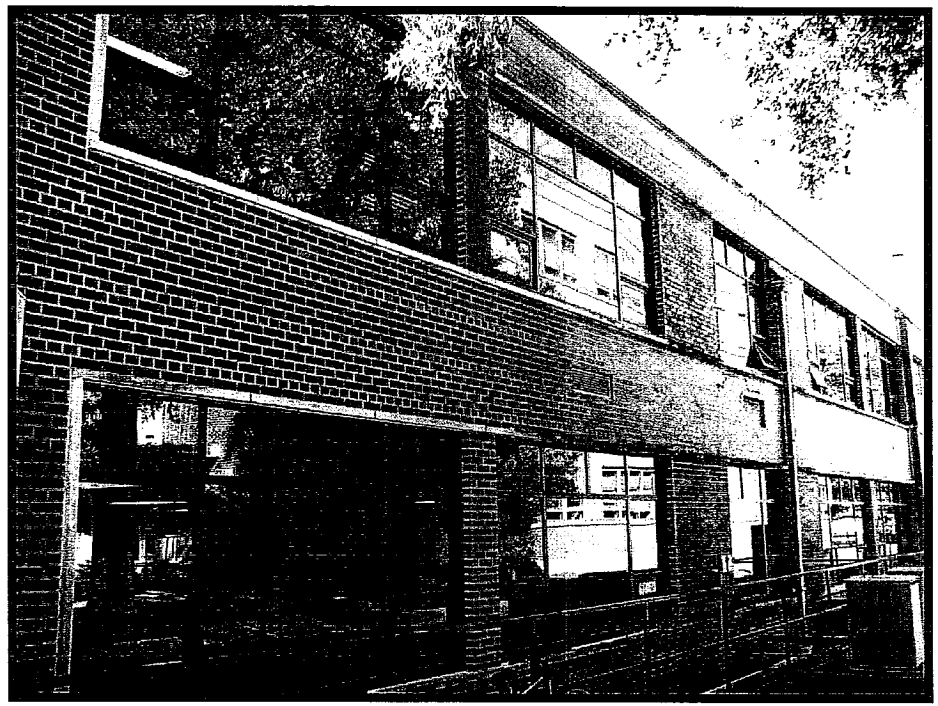
- Whitesitt Hall Windows and Masonry Restoration



Other Projects

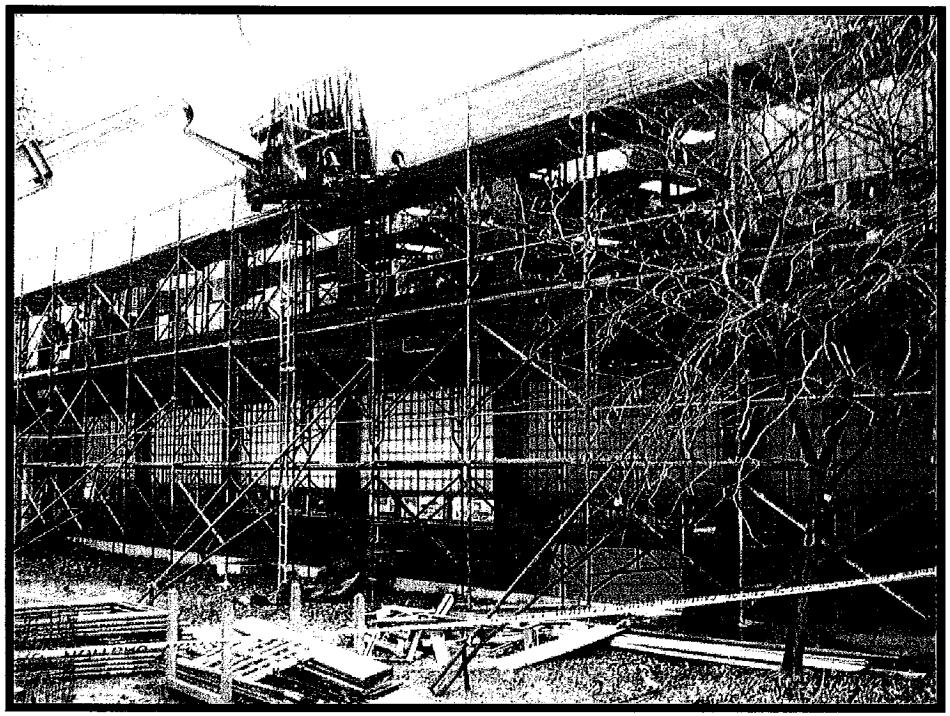
- Kelce Center Windows

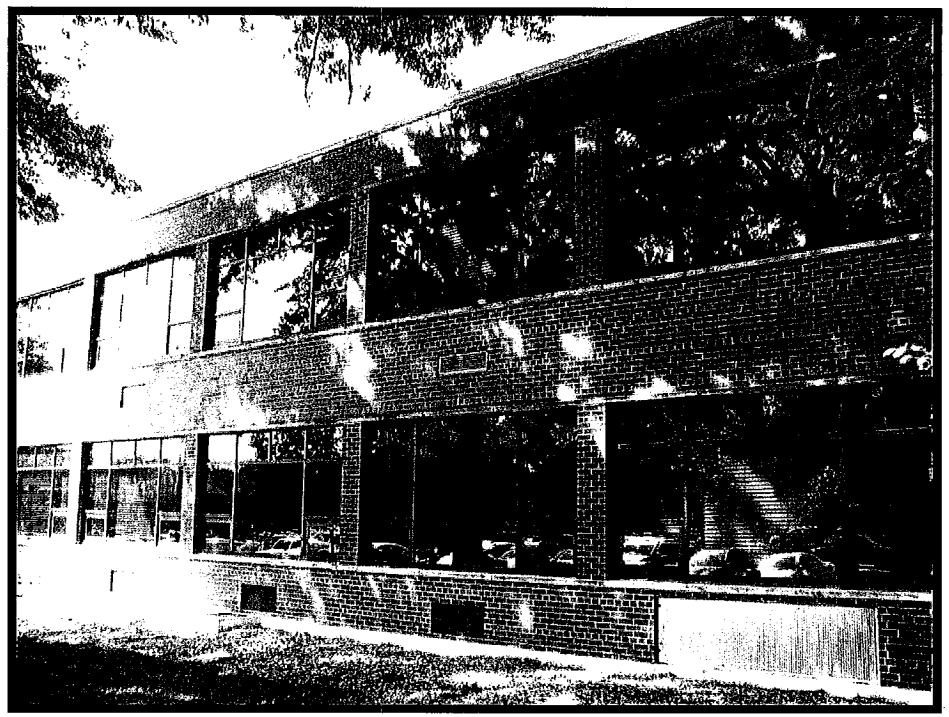




Other Projects

- Kelce Center Windows

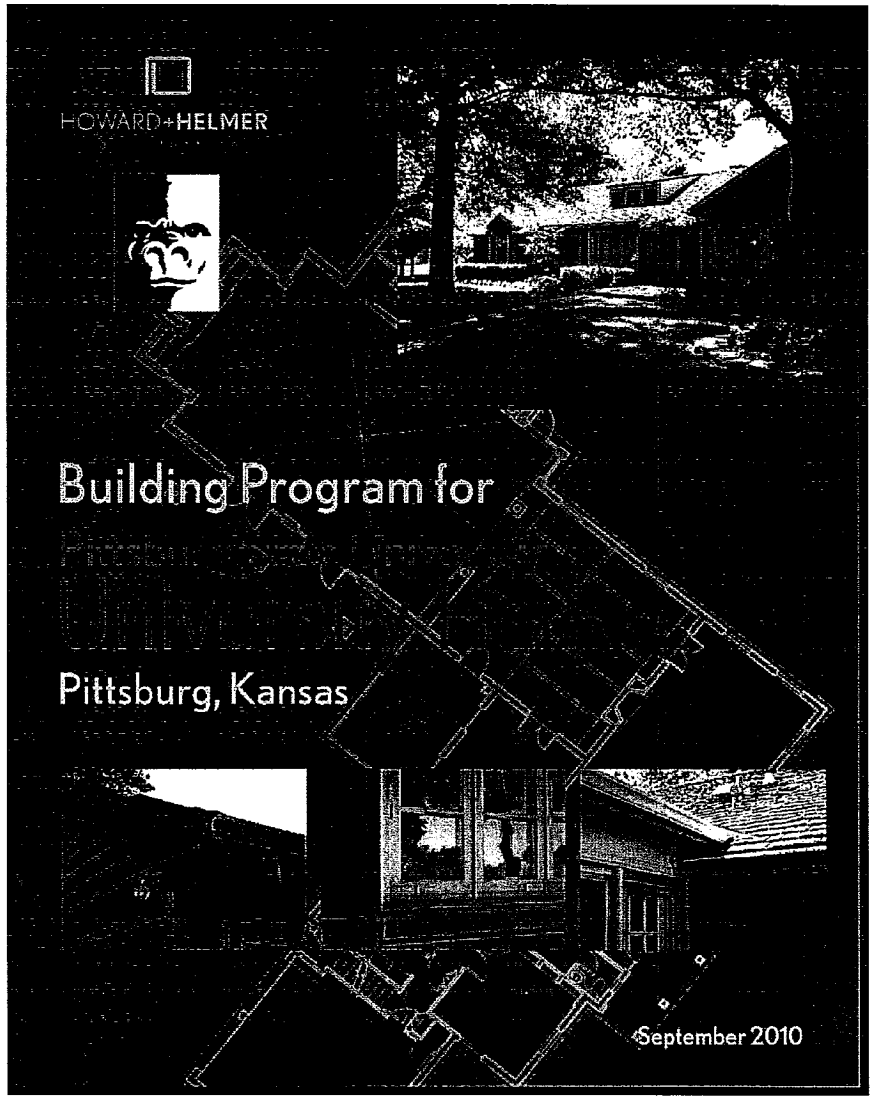




Future Projects

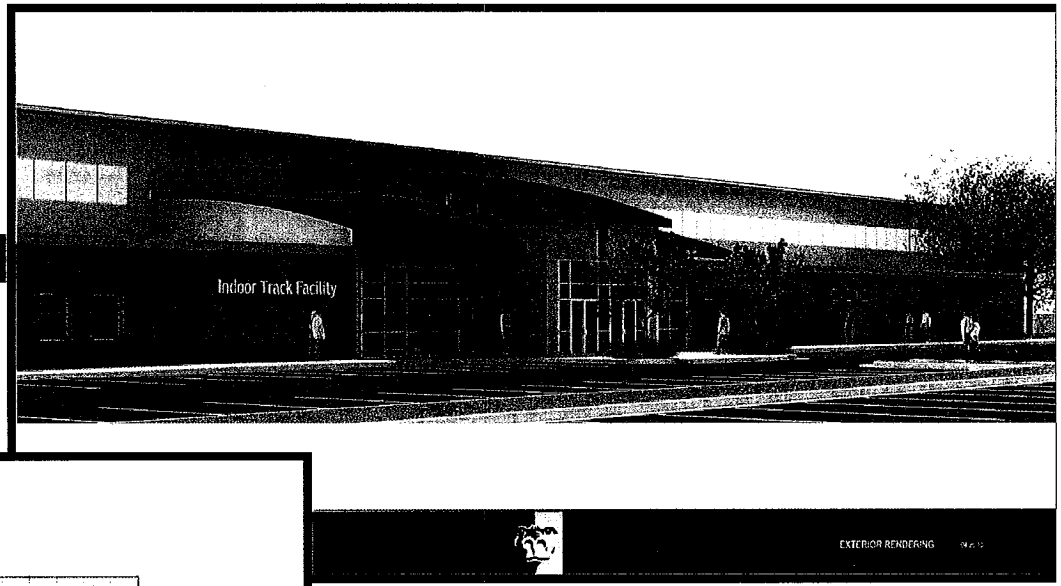
- University House

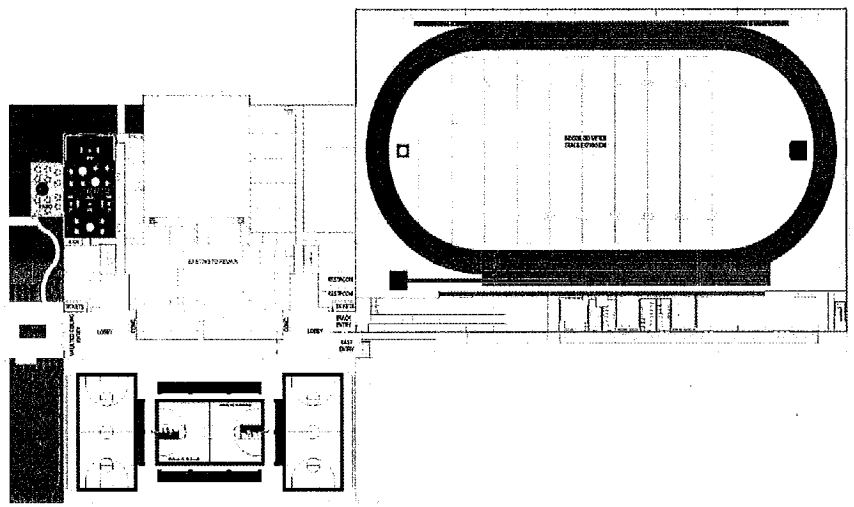
  Includes Demolition of Existing President's Home



Future Projects

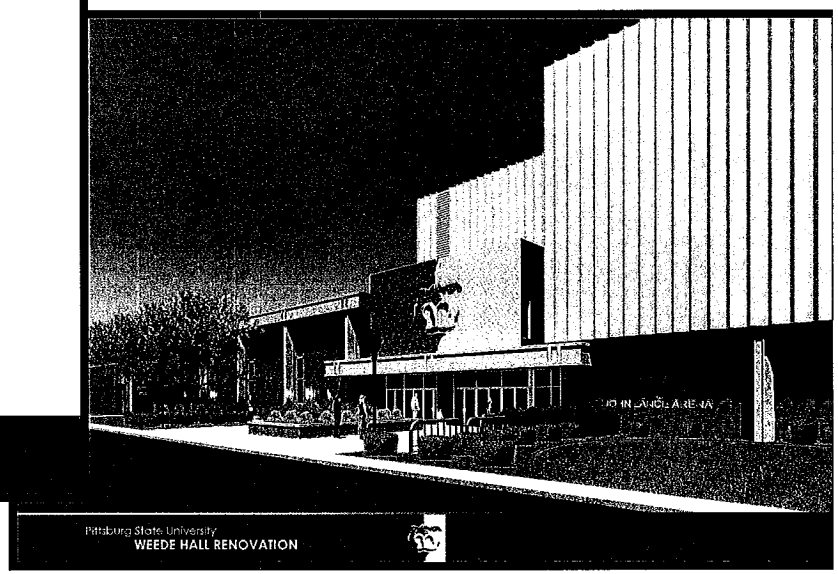
- Weede Renovation





Pittsburg State University
WEEDE HALL RENOVATION

BUILDING PLAN



Future Projects

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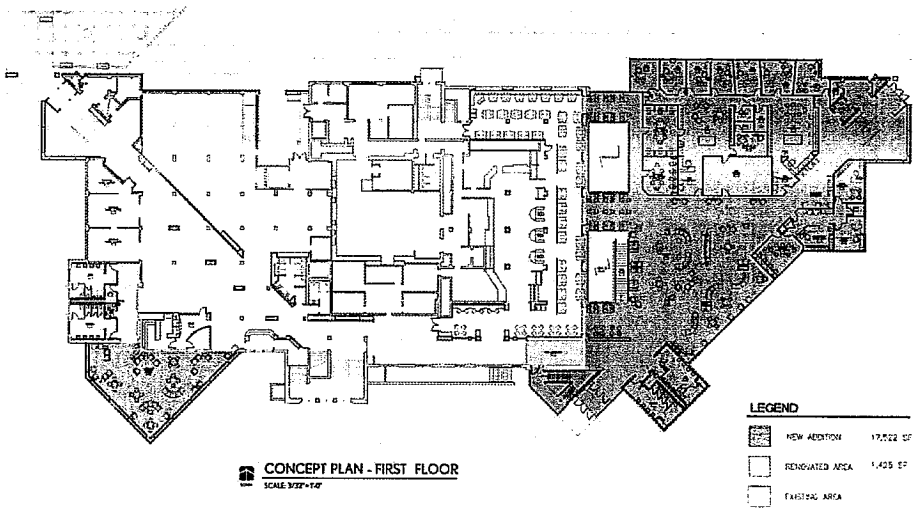
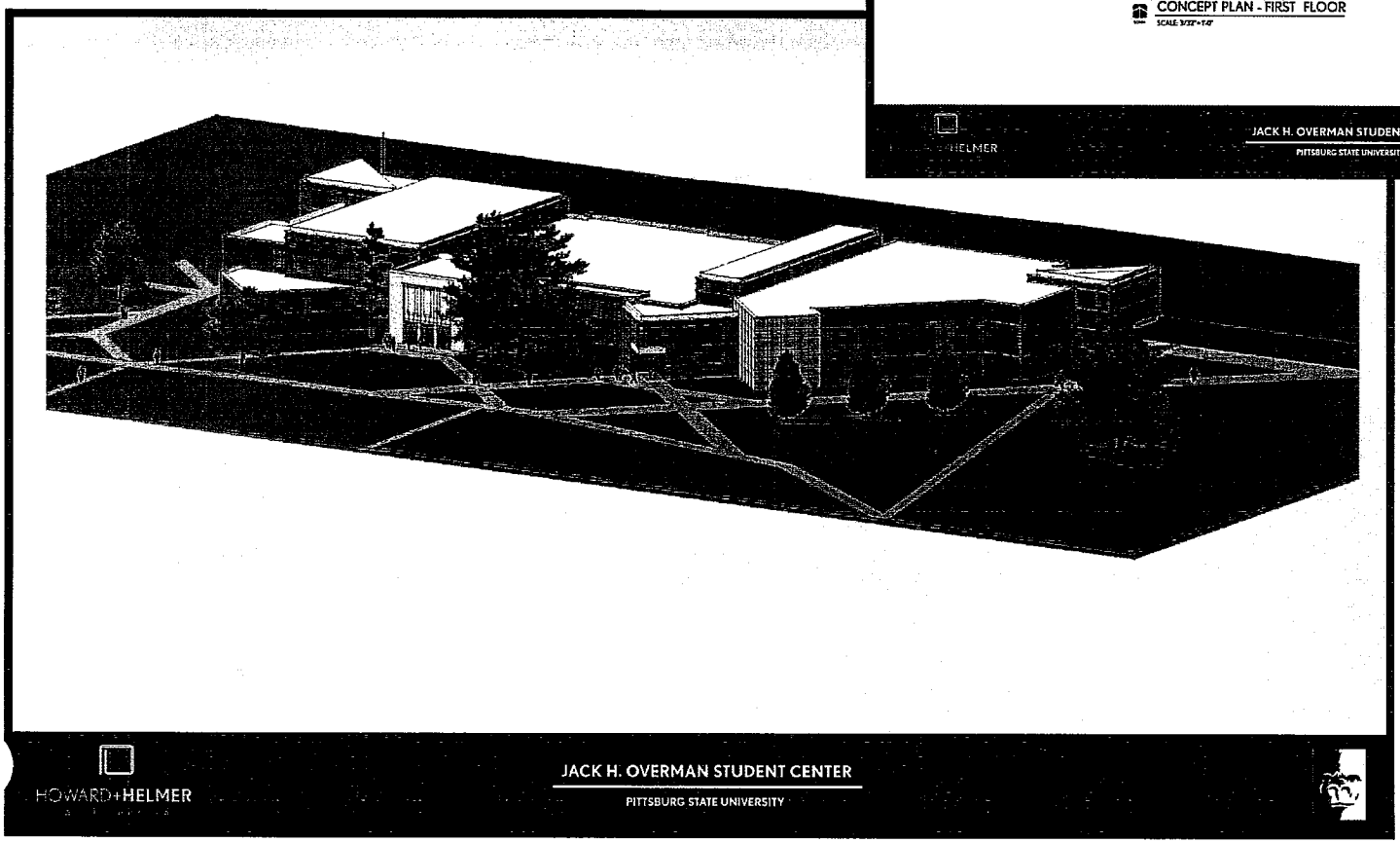
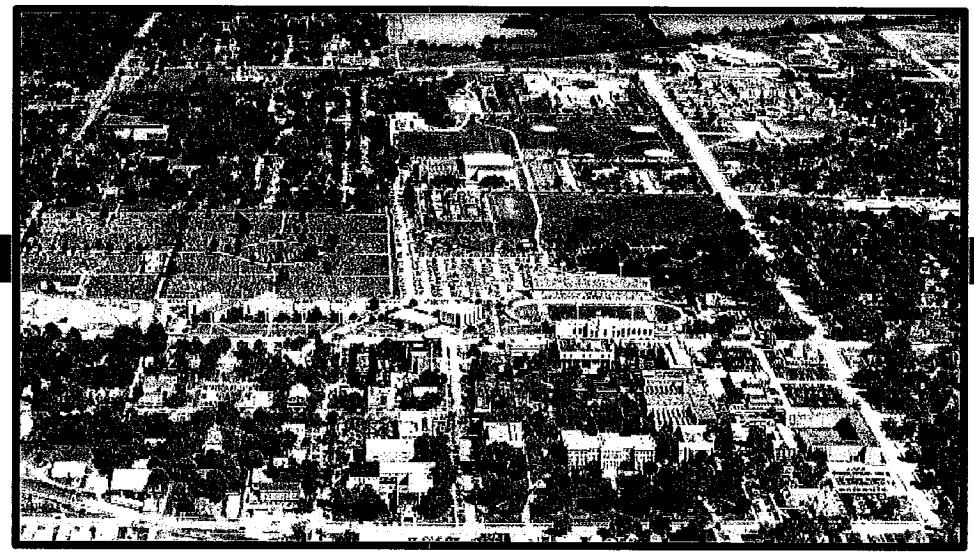
- JHO Student Center Expansion





Future Projects



- **KTC Expansion**
  - Diesel and Heavy Equipment
  - School of Construction
- **Fine and Performing Arts Center**
- **College of Business/Conference Center**

FORT HAYS STATE UNIVERSITY

Forward thinking. World ready.

FISCAL YEAR 2012
CAPITAL IMPROVEMENT PRESENTATION

FOR THE

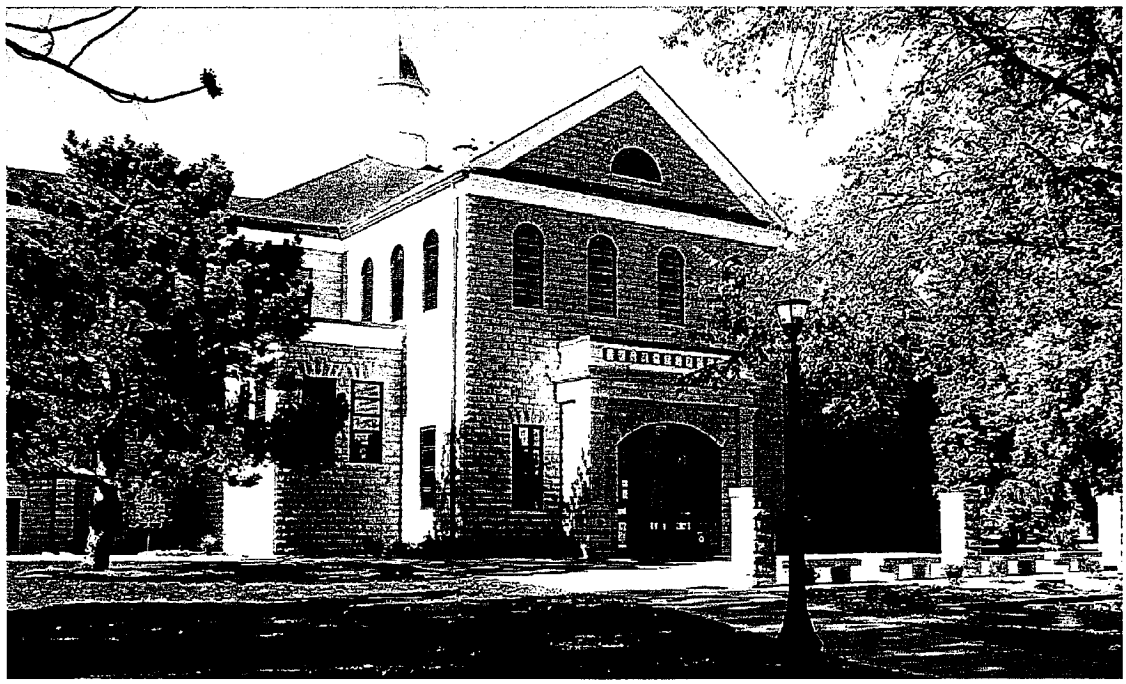
JOINT COMMITTEE ON STATE BUILDING CONSTRUCTION

November 10, 2010

Attachment 8
JCSBC 11-10-10

Joint Committee on State Building Construction

Senator Dwayne Umbarger, Chairperson
Representative Jo Ann Pottorff, Vice-Chairperson
Senator Pat Apple
Senator Jay Emler
Senator Marci Francisco
Senator Laura Kelly
Representative Steve Brunk
Representative Bill Feuerborn
Representative Bob Grant
Representative Mitch Holmes



KANSAS BOARD OF REGENTS INSTITUTIONS
FY 2012 CAPITAL IMPROVEMENT REQUESTS AND FIVE-YEAR PLANS

FIVE-YEAR CAPITAL BUDGET PLAN - DA 418A

DIVISION OF THE BUDGET — AGENCY NAME: **NAME OF UNIVERSITY**

STATE OF KANSAS — Revised 5-5-10 — July 1, 2010

PROJECT TITLE	ESTIMATED PROJECT COST	PRIOR YEARS COST	PRIOR YEARS FUNDS	CURRENT YEAR COST	CURRENT YEAR FUNDS	FY 2012 COST	FY 2012 FUNDS	FY 2013 COST	FY 2013 FUNDS	FY 2014 COST	FY 2014 FUNDS	FY 2015 COST	FY 2015 FUNDS	FY 2016 COST	FY 2016 FUNDS	SUBSEQUENT YEARS
Deferred Maintenance	$ 39,951,670	$ 4,401,670	IMP	$ -	IMP	$ 5,554,000	SGF/IMP	$ 5,554,000	SGF	$ 5,554,000	SGF	$ 6,040,000	SGF	$ 6,040,000	SGF	$ 6,808,000
Subtotal State Funds	**$ 39,951,670**	**$ 4,401,670**		**$ -**		**$ 5,554,000**		**$ 5,554,000**		**$ 5,554,000**		**$ 6,040,000**		**$ 6,040,000**		**$ 6,808,000**
Deferred Maintenance	4,165,025	1,939,725	UI	350,300	UI	375,000	UI	375,000	UI	375,000	UI	375,000	UI	375,000	UI	
Parking Improvements	400,000		SF			400,000	PF									
McMindes Window Replace	1,280,000					1,280,000	HF									
Subtotal Other Funds	**$ 5,845,025**	**$ 1,939,725**		**$ 350,300**		**$ 2,055,000**		**$ 375,000**		**$ 375,000**		**$ 375,000**		**$ 375,000**		**$ -**
TOTAL	**$ 45,796,695**	**$ 6,341,395**		**$ 350,300**		**$ 7,609,000**		**$ 5,929,000**		**$ 5,929,000**		**$ 6,415,000**		**$ 6,415,000**		**$ 6,808,000**

FUNDING SOURCES:

AA - Athletic Association
CERTA - County Educ. Research Triangle Auth.
F - Federal
HF - Housing Funds
IMP - Infrastructure Maintenance Program
KBA - Kansas Bioscience Authority
PF - Parking Fees
PG - Private Gifts
RB - Revenue Bonds
RI - Research Institute
RF - Restricted Fees
SB - State Bonds
SF - Student Fees
SGF - State General Fund
T - Tuition
U - Union
UI - University Interest
VMR - Veterinary Medicine Hosp. Rev.

Agency: Fort Hays State University

DA-418B

Revised 4-29-10 Date: July 1, 2010

PROJECT REQUEST EXPLANATION

1. Project Title: Deferred Maintenance Program	2. Project Priority: A1-S1

3. Project Description and Justification

Picken Hall (complete) **$3,845,000**
Improvements to Picken Hall include new electrical service; new HVAC system; plumbing improvements; painting; floor finishes; ceiling tile replacement; door replacement; roofing repairs; asbestos abatement; and wood floor framing repairs.

Utility Tunnel Improvements – Quad to Rarick Hall (complete) **$ 336,000**
The project includes the replacement of portions of 1920's tunnel segments and tunnel caps.

Electrical System Improvements **$2,012,095**
The project includes major upgrades to existing high voltage conductors, switches and transformers throughout campus.

Street Improvements (complete) **$ 223,000**
The project includes the replacement of portions of 50+ year old deteriorated concrete paving.

Akers Energy Center **$1,066,000**
The project includes the replacement of three 39-year-old boilers with new, efficient, fire-tube boilers.

Sheridan Hall Roof Repairs (complete) **$ 70,000**
This project includes removal and replacement of deteriorated EPDM roofing membrane over the fly loft area and other low slope roofing along the north and east roof edges.

Service Buildings Masonry Cleaning & Sealing (complete) **$ 60,000**
This project would include cleaning of all veneer surfaces, sealing of limestone veneers, miscellaneous tuckpointing and replacement of broken and deteriorated coping stones.

Cunningham Hall Gyms 100, 101, 102 and 121 (complete) **$ 35,000**
Originally constructed in 1973, these gym walls are in need of repainting. All wall surfaces are to be repainted with a combination of epoxy paint at lower surfaces and latex paint at upper levels.

Felten-Start Theatre Seating Replacement (complete) **$ 100,000**
This project provides for the replacement of (316) existing auditorium seats with new units. This auditorium is used by the Department of Communications for both dramatic productions and classroom space.

Campus Exterior Graphics – Phase II (complete) **$ 60,000**
This project provides for the installation of new traffic, parking and way-finding signage throughout campus.

Agency: Fort Hays State University

DA-418B

Revised 5-5-10 Date: July 1, 2010

PROJECT REQUEST EXPLANATION

1. Project Title:	2. Project Priority:
Deferred Maintenance Program	A1-S1

3. Project Description and Justification:

Fort Hays State University has identified the most critical deferred maintenance priorities, consistent with the Fall 2006 study that is the basis for this initiative, and adjusted in conformity with the Fall 2008 update to that study. The Board of Regents recognizes the need for some flexibility as the deficiencies listed in the study get translated into a practical project list. However, the Board has directed the Universities to produce projects lists that are clearly and powerfully aligned with the deficiencies noted in the study.

The projects listed on the attached sheets generally represent those that the University believes can be completed in the next two and one-half years. The State Educational Institution Long-term Infrastructure Maintenance Program legislation requires the Board of Regents to prepare a report similar to the 2006 study every two years. The 2006 study was updated in 2008. The next report, which will be due on or before January 14, 2011, will evaluate priorities based on critical needs at that time.

4. Estimated Project Costs:		5. Project Phasing (each category includes related miscellaneous costs):	
A. Construction Costs (including fixed equipment & sitework)	$	A. Preliminary Plans	$
B. Design Fees		B. Final Plans	
C. Project Contingency		C. Construction Costs	
D. Miscellaneous Costs			
TOTAL	$39,951,670	TOTAL	$39,951,670

6. Amount by Source of Funding:

Fiscal Years	State General Fund	Infrastructure Maintenance Program	University Interest Earnings	Private Gifts or Federal Grants	User Fees (specify, *i.e.*, Housing, Parking, etc.)	Totals by Year
Prior Years	0	$4,401,670	$1,939,725			$ 6,341,395
Current Year	0	0	350,300			350,300
FY 2012	$ 4,863,000	691,000	375,000			5,929,000
FY 2013	5,554,000	0	375,000			5,929,000
FY 2014	5,554,000	0	375,000			5,929,000
FY 2015	6,040,000	0	375,000			6,415,000
FY 2016	6,040,000	0	375,000			6,415,000
Subsequent Years	6,808,000					6,808,000
Totals by Funding Source	$34,859,000	$5,092,670	$4,165,025			$44,116,695

8-5

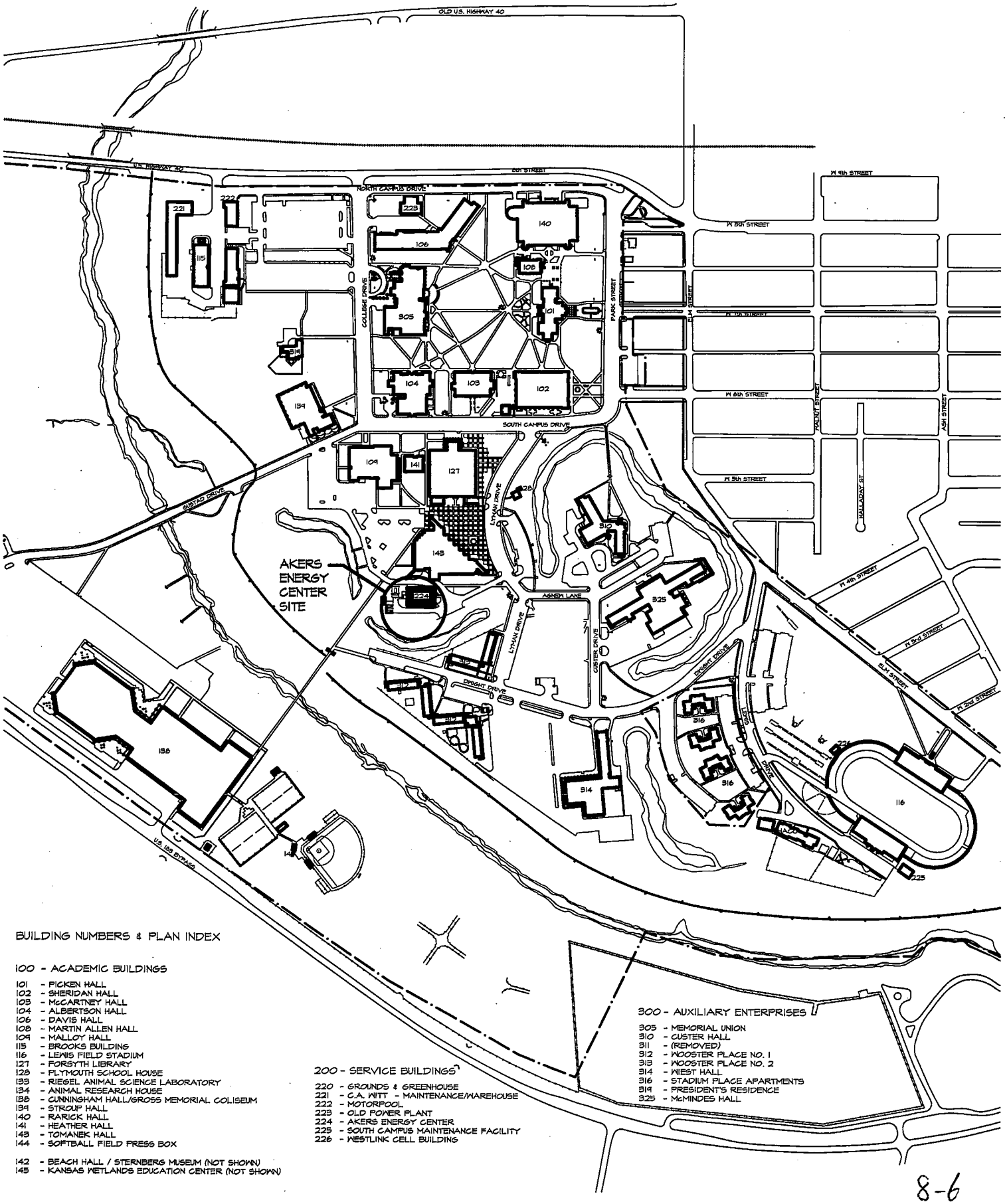
FORT HAYS STATE UNIVERSITY

TRUE NORTH

PLAN NORTH

SCALE: 1" = 500'

SEPTEMBER 2010



BUILDING NUMBERS & PLAN INDEX

100 - ACADEMIC BUILDINGS

101 - PICKEN HALL
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141 - HEATHER HALL
143 - TOMANEK HALL
144 - SOFTBALL FIELD PRESS BOX

142 - BEACH HALL / STERNBERG MUSEUM (NOT SHOWN)
145 - KANSAS WETLANDS EDUCATION CENTER (NOT SHOWN)

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314 - WIEST HALL
316 - STADIUM PLACE APARTMENTS
319 - PRESIDENT'S RESIDENCE
325 - McMINDES HALL

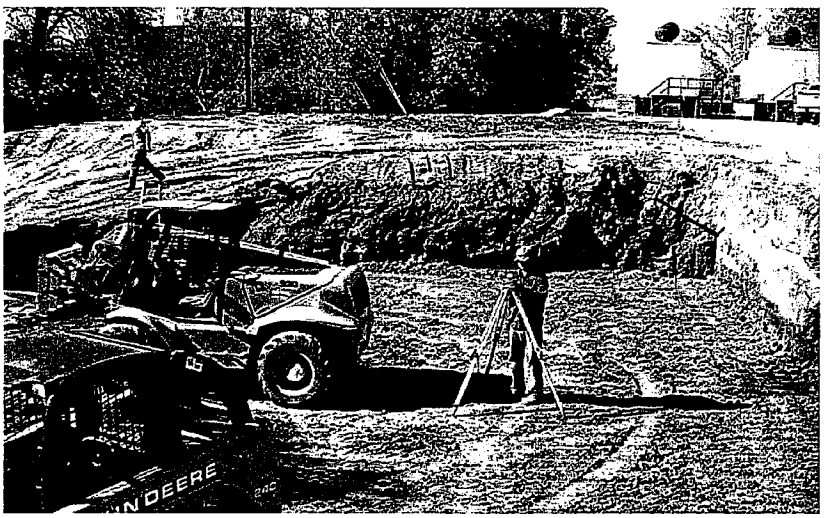
8-6

PROJECT: CAMPUS ELECTRICAL IMPROVEMENTS ($2,012,095)

This project is a comprehensive improvement plan for the campus electrical system. Anticipated improvements include conversion of primary power supply from a 4160 system to a 13,370 volt system, which would position the University for increasing power demands over the coming decades. Other improvements include new power conductors, building transformers, switches and point of entry equipment. Improvements are also envisioned to position FHSU to utilize power produced from wind turbines constructed on University land.

STATUS: Phase I Under Construction
Phase II Design (50% Complete)
FUNDING YEAR: FY 2010, 2011

Existing Electrical System



Switchgear Building Construction

Agency: Fort Hays State University

DA-418B

Date: July 1, 2010

PROJECT REQUEST EXPLANATION

1. Project Title: McMindes Hall Window Replacement	**2. Project Priority:**

3. Project Description and Justification:

McMindes Hall was completed in (2) phases in 1963 and 1965. This project provides for the replacement of all windows and entrance units. Work will include replacing all existing units with new thermal glazed, aluminum units. This project will be paid from Residential Life Housing Reserves.

4. Estimated Project Costs:		**5. Project Phasing (each category includes related miscellaneous costs):**	
A. Construction Costs (including fixed equipment & sitework)	$1,070,000	A. Preliminary Plans	$ 47,000
B. Design Fees	107,000	B. Final Plans	60,000
C. Project Contingency	80,000	C. Construction Costs	1,173,000
D. Miscellaneous Costs	23,000		
TOTAL	$1,280,000	TOTAL	$1,280,000

6. Amount by Source of Funding:

Fiscal Years	State General Fund	Infrastructure Maintenance Program	University Interest Earnings	Private Gifts or Federal Grants	User Fees (Housing Fees)	Totals by Year
Prior Years						
Current Year						
FY 2012					$1,280,000	$1,280,000
FY 2013						
FY 2014						
FY 2015						
FY 2016						
Subsequent Years						
Totals by Funding Source					$1,280,000	$1,280,000

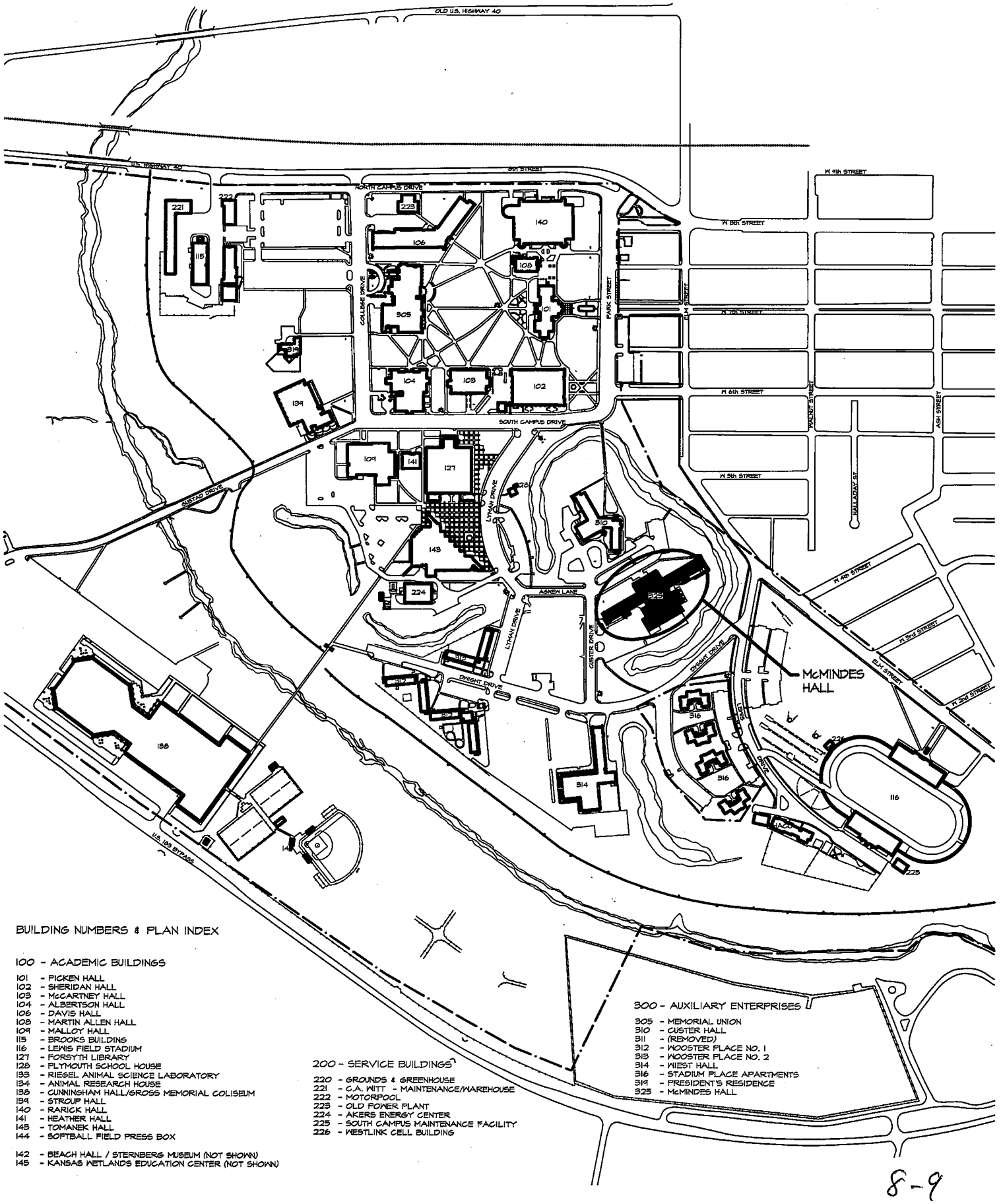
FORT HAYS STATE UNIVERSITY

TRUE NORTH

PLAN NORTH

SCALE: 1" = 500'

SEPTEMBER 2010



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145 - KANSAS WETLANDS EDUCATION CENTER (NOT SHOWN)

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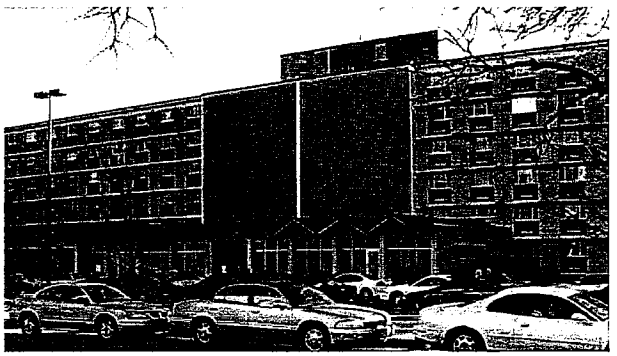
319 - PRESIDENT'S RESIDENCE
325 - McMINDES HALL

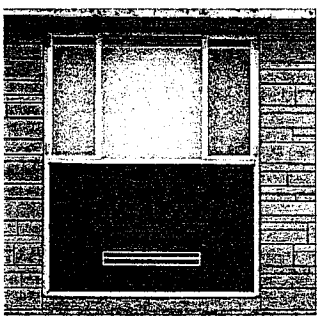
8-9

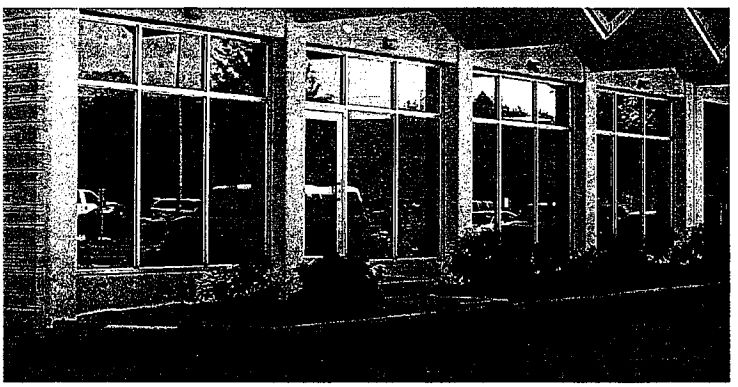
PROJECT: McMINDES HALL WINDOW AND ENTRANCE DOOR REPLACEMENT ($1,280,000)

McMindes Hall was completed in (2) phases in 1963 and 1965. This project provides for the replacement of all existing aluminum windows and aluminum entrance doors and windows. This project will be paid from Residential Life Housing Reserves.

STATUS: Construction Documents
FUNDING YEAR: FY 2012, 2013







Existing McMindes Hall Windows and Entrances

Agency: Fort Hays State University

DA-418B

Date: July 1, 2010

PROJECT REQUEST EXPLANATION

1. Project Title: Parking Improvements	2. Project Priority:

3. Project Description and Justification:

The University's ten-year cyclical plan is continuously revised and updated in response to changing needs. This request is based on a need to continue upgrading this very important infrastructure.

4. Estimated Project Costs:		5. Project Phasing (each category includes related miscellaneous costs):	
A. Construction Costs (including fixed equipment & sitework)	$400,000	A. Preliminary Plans	$400,000
B. Design Fees		B. Final Plans	
C. Project Contingency		C. Construction Costs	
D. Miscellaneous Costs			
TOTAL	$400,000	TOTAL	$400,000

6. Amount by Source of Funding:

Fiscal Years	State General Fund	Infrastructure Maintenance Program	University Interest Earnings	Private Gifts or Federal Grants	User Fees (Parking Fees)	Totals by Year
Prior Years						
Current Year						
FY 2012					$400,000	$400,000
FY 2013						
FY 2014						
FY 2015						
FY 2016						
Subsequent Years						
Totals by Funding Source					$400,000	$400,000

8-11

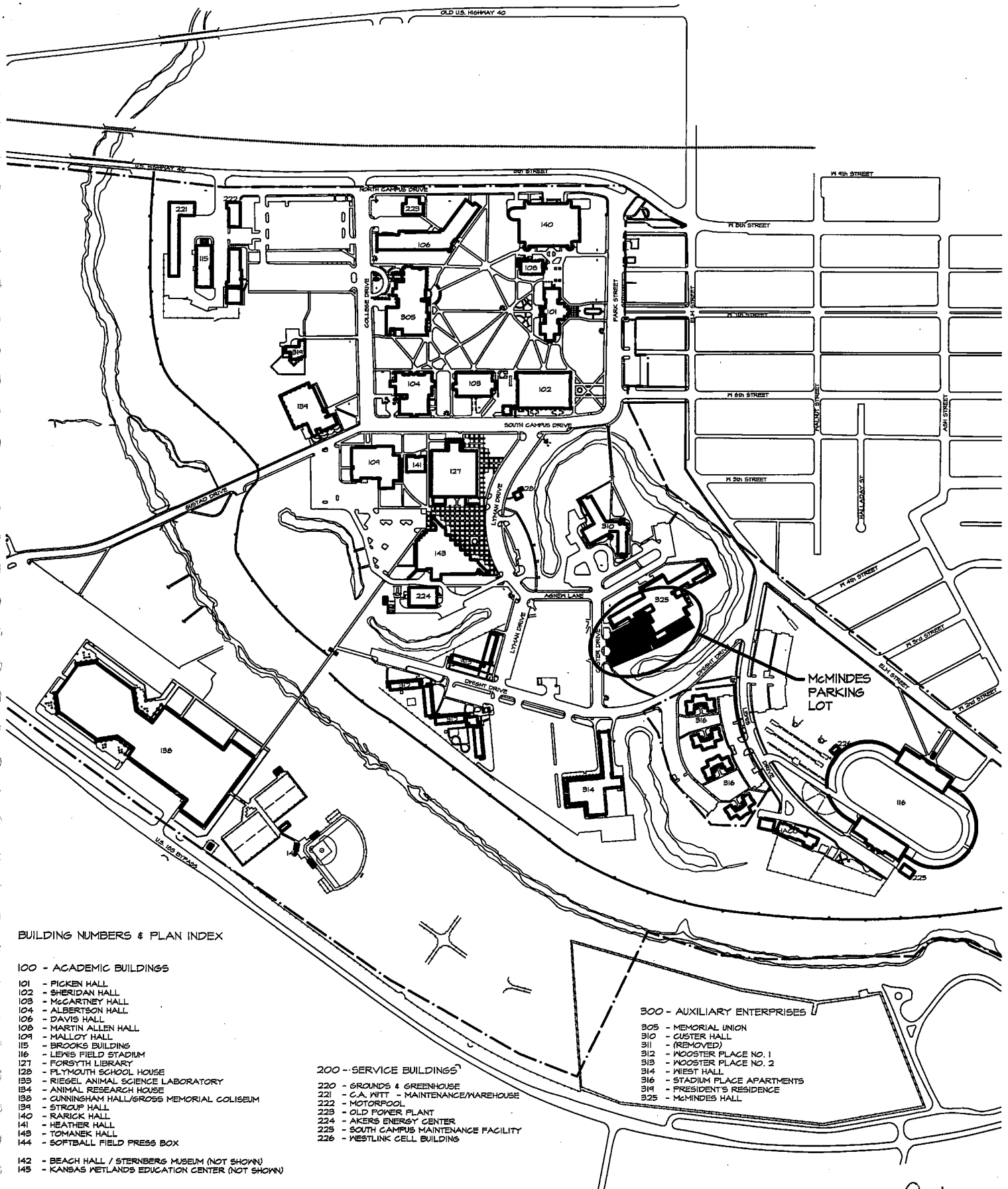
FORT HAYS STATE UNIVERSITY

TRUE NORTH

PLAN NORTH

SCALE: 1" = 500'

SEPTEMBER 2010



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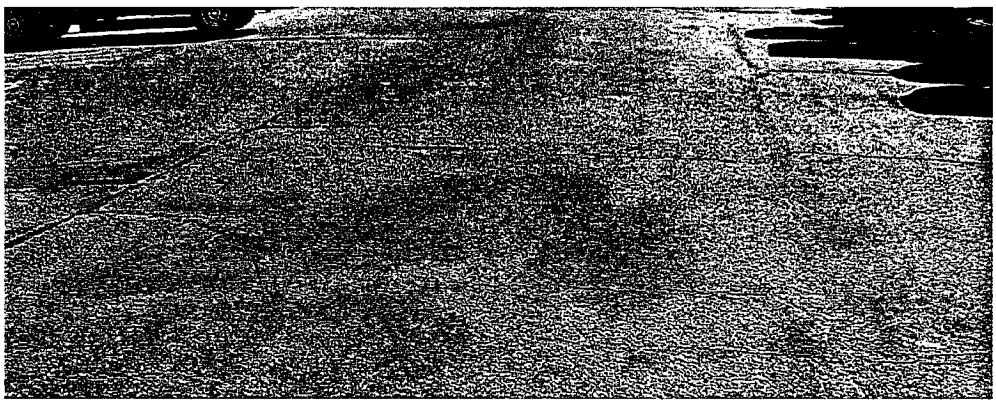
8-12

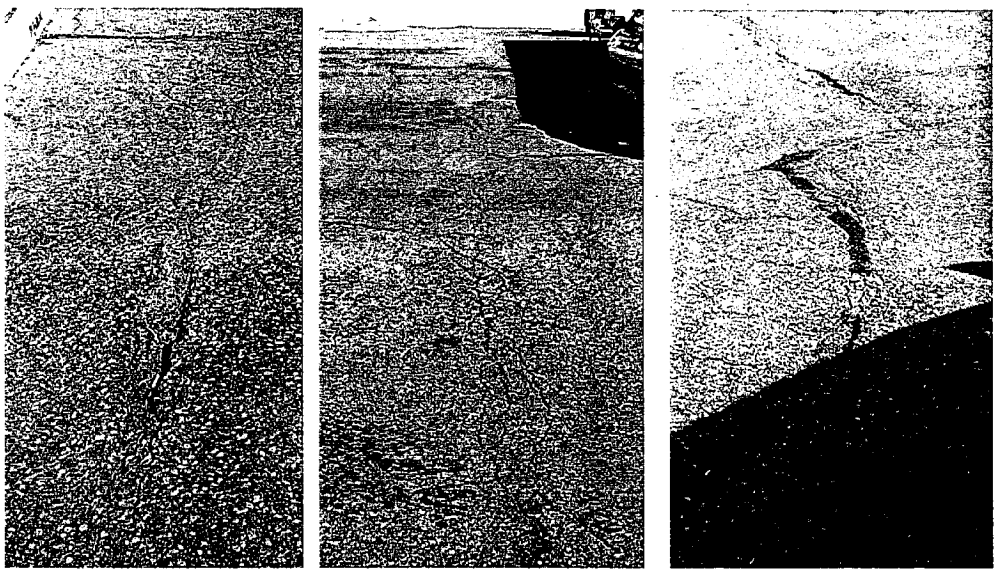
PROJECT: PARKING IMPROVEMENTS

The University's ten-year cyclical plan is continuously revised and updated in response to changing needs.

This request is based on a need to continue upgrading this very important infrastructure.

STATUS:
FUNDING YEAR: FY 2012





McMindes Hall Existing Parking Lot

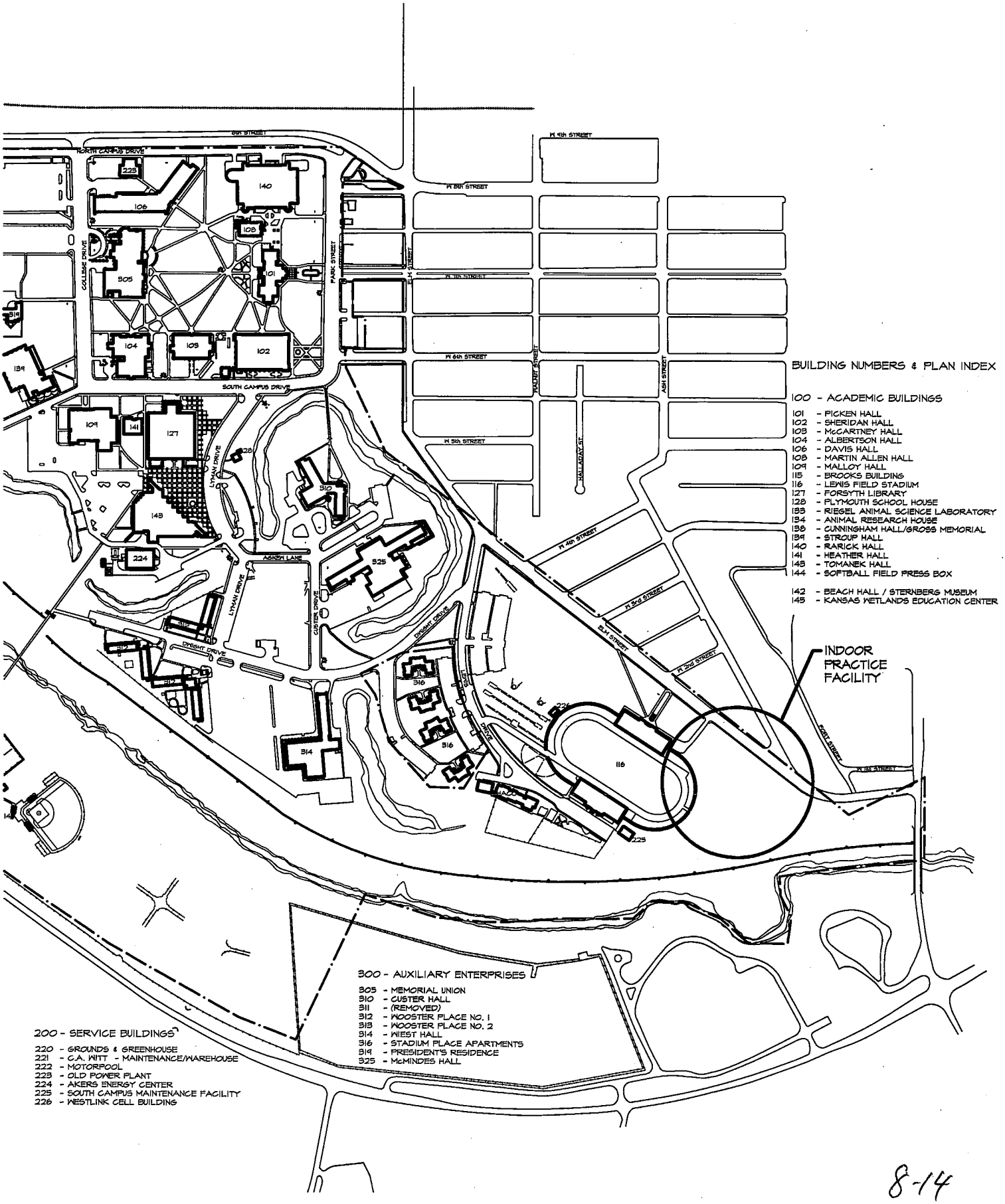
FORT HAYS STATE UNIVERSITY

TRUE NORTH

PLAN NORTH

SCALE: 1" = 500'

SEPTEMBER 2010



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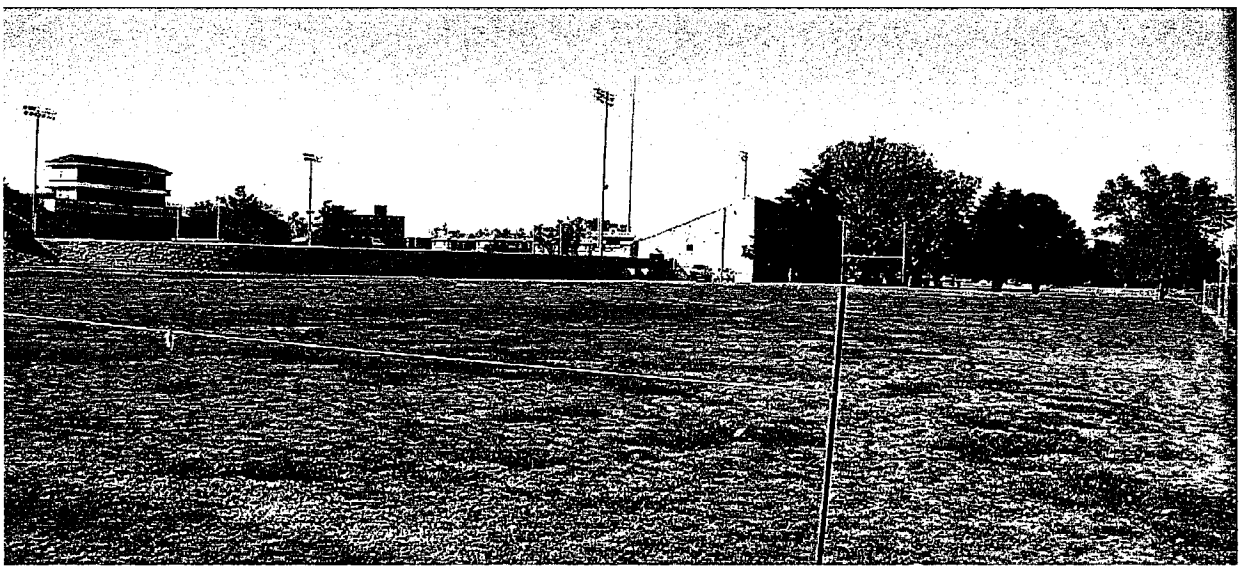
8-14

PROJECT: INDOOR PRACTICE FACILITY ($4,000,000)

This project provides for the construction of a 50,000 S.F. multi-purpose indoor practice facility for use by a number of FHSU athletic teams. The proposed facility will be located south of Lewis Field East Stadium on what was formerly a football practice field. This facility will include a 55 yard long synthetic turf football field with one end-zone, weight room, equipment storage, office, restrooms & (4) track sprinting lanes.

STATUS: Programming Complete
FUNDING YEAR: Private Funds

Lewis Field East Stadium



Practice Facility Location at Lewis Field Stadium

FORT HAYS STATE UNIVERSITY

Forward thinking. World ready.

Architectural Program

INDOOR PRACTICE FACILITY

September, 2010

Attachment 9
ICSBC 11-18-10

The following individuals contributed to the development of the Indoor Practice Facility Program:

Mr. Dana Cunningham, Director of Facilities Planning
Mr. Curtis Hammeke, Athletic Director

Preparation of the Architectural Program was coordinated by the Office of Facilities Planning.

September, 2010

Table of Contents

Introduction

Fort Hays State University athletic teams do not currently possess sufficient indoor practice facilities for the variety of teams that require them. The following teams have a need for such practice space: football, baseball, softball, and track and field, as well as soccer teams, which are currently being formed. Today, all of these teams compete for shared space in Cunningham Hall-Gross Coliseum. These spaces most typically include intramural recreation gyms and Gross Coliseum. Coordination of activities scheduled by the Health and Human Performance department and sports teams is problematic, as normal outdoor practice schedules can be altered without notice, due to changes in weather. In addition, some spring sports may wish to routinely practice indoors during the winter months, when weather is typically adverse. Intramural gyms are not designed with appropriate flooring, wall surfaces or equipment to adequately support football, baseball and softball practices. Track and field practice areas in Gross Coliseum have also been displaced in response to other space needs. Conflicts can also develop when multiple teams practice in close proximity with each other in the coliseum. Construction of a dedicated indoor practice facility will alleviate many of these conflicts.

A proposed new indoor practice facility at Lewis Field Stadium would include the following elements:

1. 55-yard, full width, synthetic turf football field with (1) end zone
2. (11'-6" and 18'-6") clearance between playing area and building sidewalls and (8') clearance at side adjacent to weight/storage space and (7') clearance at opposite end
3. (4) 3'-6" wide, 60-meter, synthetic surface running lanes
4. Minimum of 2,500 square feet of equipment storage
5. Men's and women's restroom in size required by occupant load
6. Office space for facility manager. This space will also double as the officials' dressing room.
7. Custodial support space
8. Mechanical/electrical equipment room
9. 5,000 square foot weight training room

The weight training room would principally be used by football, although not exclusively. This would reduce pressure on the existing, singular 4,000 s.f. weight training room located in Gross/Cunningham, which is shared by all FHSU teams. The multi-purpose space is to be constructed with a sidewall height which will support football and baseball/softball practice, which does not include punting drills for football, or live batting practice on the field. Further, it is anticipated that retractable indoor batting cages and track and field throwing cages could be suspended from the roof structure and strategically placed, as to not conflict with day to day activities on the field. Storage space for football, baseball, softball, as well as track and field equipment used in the facility, is required. Some portions of storage spaces should be accessible to the indoor multi-purpose space, as well as the exterior.

Based upon the available site area and probable building shape, this facility would be designed with a primary entrance facing Lewis Field Stadium. As a part of this project, an existing gravel driveway from Elm Street to East Stadium would be improved and expanded to incorporate a total of (25) off-street parking spaces on either side of the entrance drive. Lewis Field East Stadium was originally constructed in 1937 as a Work Projects Administration project. East

Stadium's original limestone façade remains unchanged today. Portions of the new proposed building which front East Stadium should be reflective of, and compatible with the vernacular of that structure. Based on current project budgeting, it is anticipated the structure would be constructed of metal framing systems, with the lower level entry portion receiving masonry cladding as budget allows. The balance of the multi-purpose structure would be clad with metal siding of varying texture and color.

History of Development

University

When the federal government abandoned the 7,600 acre Fort Hays Military Reservation in western Kansas in 1899, area residents petitioned the government to turn over the property for an experimental station, a park, and a state college. The legislation was signed in 1900 and the college opened on June 23, 1902, as the Western Branch of the Kansas Normal School of Emporia with 4,160 acres of land. Later, in 1914, the University became independent from the Emporia State Normal School and the name of the institution was changed to Fort Hays Kansas Normal School.

The Western branch started with a two year appropriation of $12,000 and thirty-four students. The original campus was sited south of its present location at the fort, and consisted of the hospital building, the guard house, three officers' quarters and the block house. The hospital, which was later moved to the new campus, was the main building.

Planning for a new campus began at the very start. The fort location was unsuitable due to a lack of water and the distance to Hays City. The handicaps of the hill top location were alleviated in 1903 when the state legislature appropriated money for a permanent building for the School. The site chosen for Academic Hall, later Administration Building, and now Picken Hall, was a flat area bordered on the south by Big Creek and on the north by the railroad. Construction was completed in 1904. A gymnasium, later named Martin Allen Hall, was built in 1905. Subsequent wing additions to Picken Hall were completed in 1908.

Two major buildings were constructed in the next decade. The Agricultural High School Building was constructed in 1912. Later this building was called the Industrial Building, and then Rarick Hall. Old Rarick Hall was razed in 1978. Sheridan Coliseum was completed in 1917. Originally built as a multi-purpose and classroom building, the structure was later used to house University offices. The original power plant constructed in 1911 was destroyed by fire in 1930. Its replacement, built in 1932, is now referred to as the Old Power Plant that sits at the northwest corner of campus. A modern power plant, the Akers Energy Center, was constructed in 1968 south of Forsyth Library and is in use today.

Several buildings were constructed in the 1920s, including Elizabeth Custer Hall completed in 1923 and Cody Commons cafeteria in 1923. Two academic buildings were added: Forsyth Library, now McCartney Hall, was finished in 1926 and would house the Library for about forty years. Albertson Hall was built a year later. The name of the school was changed in 1923 to Kansas State Teachers College of Hays, and in 1931 to Fort Hays Kansas State College.

The Great Depression years of the 1930s saw little state funding for buildings. The building and renovation that took place during this period was through the federal New Deal programs. Improvements such as foot bridges, tennis courts, the lily pond and fish pool were typical projects during this era. One major WPA project during this time, was

construction of Lewis Field Stadium, completed in 1939. In addition to the stadium seating, the structure was designed with dormitory, recreational, and study space beneath the seats and press box.

The Second World War had a significant effect on future buildings at the college. The influx of veterans returning to school after the war exerted enormous pressures for physical growth. This, compounded with the lack of development during the depression years, created a need to make up for a nearly twenty-year lapse in construction. However, the only new building constructed during the 1940s was Men's Residence Hall (later renamed McGrath Hall), which was completed in 1942.

The 1950s and 1960s were vigorous decades for new construction and remodeling. The Applied Arts Building, now Davis Hall, was completed in 1952, as well as an addition to Custer Hall that same year. A south wing was added to McGrath Hall in 1952 and a new center wing in 1955. The President's residence was completed in 1954. Agnew Hall, a dormitory for women, was completed in 1957. A major addition to Cody Commons was renamed the Memorial Union and dedicated to alumni and former students who died in the nation's wars. A subsequent addition to the Union in 1970 included the razing of Cody Commons.

Construction of the first married students' apartments, named Wooster Place, and a new men's dormitory, Wiest Hall, was completed in 1961. McMindes Hall for women was constructed in 1963, and additional student apartments were built in 1964. An addition to McMindes in 1965 completed this building.

A fine arts building, Malloy Hall, was constructed in 1965, and Forsyth Library was built in 1967. Originally designed as a three-story structure, the library's top floor was omitted due to budget complications. Other projects completed in the 1960s included a new wing to Albertson Hall in 1962 and service buildings constructed in 1960 to house garage, maintenance shop, and warehouse functions.

The "B" wing of Wiest men's residence hall was completed in 1970. The physical education and field house complex, named Cunningham Hall and Gross Memorial Coliseum, was completed in 1973. These were the only new buildings constructed in that decade. However, there were extensive renovation projects in several buildings including Picken and Albertson Halls, the remodeling of McCartney Hall, and finishing Forsyth Library basement. In 1977, the college became a university and was given its current name, Fort Hays State University.

Construction projects in the 1980s included three new buildings: Stroup Hall, which houses the Department of Nursing; Rarick Hall, a large general classroom building; and Heather Hall, the home of the radio and television department. All three structures were completed in 1981. A major renovation of Sheridan Coliseum was completed in 1991. This building includes a performing arts center and administrative offices. The building has been renamed Sheridan Hall.

In 1992, Fort Hays State University accepted the gift of a unique building in Ellis County, immediately east of the city limits of Hays. Additionally, a local businessman donated more than 22 acres of land adjacent to the building. The building and adjacent land were envisioned to serve as the new home of the Sternberg Museum. The new Sternberg Museum opened on March 13, 1999, with the completion of Phase 1 renovations.

Construction of a new Physical Sciences building, named Tomanek Hall, was completed in 1995. This facility houses the University Computing Center as well as Chemistry, Geosciences and Physics Departments. In conjunction with this project, a new tennis court facility was completed in 1993.

Lewis Field Stadium-Phase 1 was also completed in 1993. This project included installation of a new artificial turf football field, synthetic running track and field events. Phase II, completed in April of 1997, provided new bleacher seating and a two-story press box with elevator. Renovations completed in 2001 included new track locker rooms at west stadium and a sports medicine center at east stadium. Renovations of the football locker room and equipment rooms will complete in Spring 2006. Team meeting rooms located in the upper level are scheduled for renovation in Spring 2007.

Complete renovation of Martin Allen Hall was undertaken in 1998. This third renovation of the 1905 structure provided the final home for the Psychology Department. Renovation of Albertson Hall also completed in 2000. This (2) year renovation project provided new classrooms, laboratories and office space for the Departments of Biological Sciences, Agriculture, Allied Health and Communication Disorders. Remodeling of first floor McCartney Hall was completed in May, 2002. The first floor space, formerly used by the Sternberg Museum, now provides additional office space, classroom space and computer labs for the College of Business. Remodeling of 3rd floor was completed in 2004. The final phase of remodeling at 2nd floor will complete in Spring 2006.

A number of significant Residential Life Improvements were also completed in recent years. In Fall 2003, complete renovation of the McMindes Cafeteria and dining room was completed. Wooster Place I and II, which provides (84) 1- and 2-bedroom apartments, was completely remodeled for the first time since their original construction. Work was completed in Spring 2005. Construction of the new Stadium Place Apartment complex was completed in Fall 2005. The complex provides (40) apartments in 2- and 4-bedroom configurations. This project was built and financed by a private developer. Expansion of the McMindes Hall dining area was completed in early 2006. This expansion provided (100) additional seats in the dining room, which is now the central dining facility for McMindes, Wiest, and Custer Hall residents.

The first significant renovation of the Memorial Union since 1970 commenced in 2005. The renovation and addition to this 96,000 s.f. facility was completed in the summer of 2007. The Fort Hays State University Foundation and the Alumni Association constructed a new facility to house their operations. They occupied the new Robbins Center in the fall of 2007. Historic Picken Hall recently underwent its first complete building renovation in almost (50) years. The renovation and building addition was completed in May 2010.

Noteworthy physical features on campus include Big Creek, which meanders through campus and which on occasion has reached flood stage, thus the levee network that bounds campus. Stone is the favored exterior building material. The quadrangle in the center of the central campus core provides a park-like setting that is used for a number of events. The classical colonnade on the west side of Picken Hall provides a sense of academe.

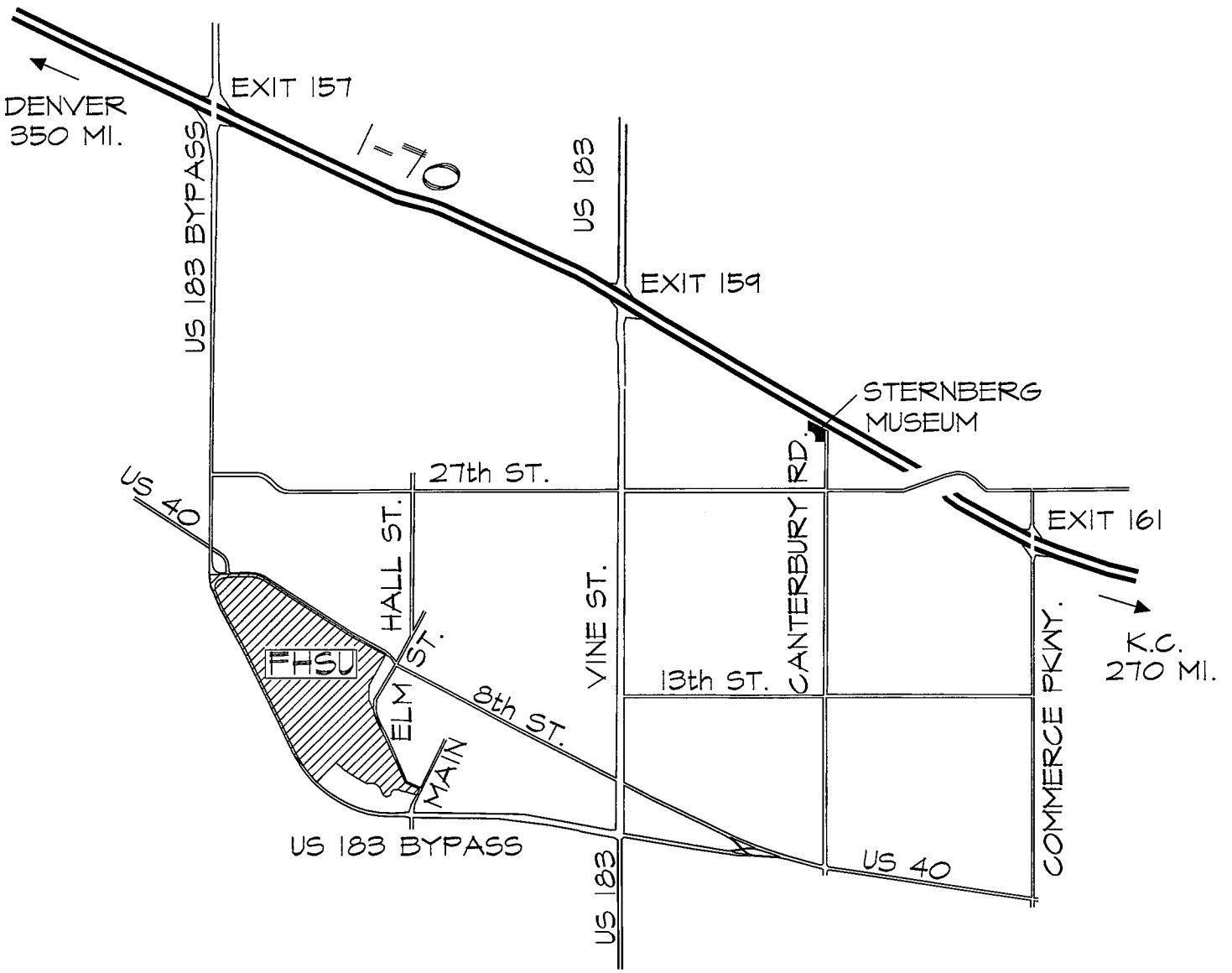
Currently, a new Soccer Facility is under construction. This FHSU facility is sited adjacent to the new City of Hays Sports Complex, also under construction.

Site Selection

Fort Hays State University athletic teams play and practice in a number of venues, including Gross Memorial Coliseum, Lewis Field Stadium, Larks Park, Tiger Field, and starting in 2011, a new soccer facility, which is currently under construction. Given the variety and distances between venues, there exists no site for an indoor practice facility which is located in close proximity to all teams' practice areas. A study of current available sites in proximity to athletic venues reveals that Lewis Field Stadium offers the best siting potential for a new 48,000 gsf facility. An existing football practice field located southeast of East Stadium will support a facility of this size. The existing football practice field has not been used for over five years, as practices are now typically held on the artificial turf of Lewis Field Stadium. The practice field is currently used for parking during FHSU football games.

The practice field area is bordered to the east by Elm Street, to the south by a flood dike, to the northwest by Lewis Field Stadium's stone perimeter fence, and to the north by a driveway servicing East Stadium. Observing a 50' setback from Elm Street and a 25' separation from the perimeter stone fence yields a tract equal to 81,505 s.f. or 1.87 acres. Most of the tract has an elevation of 1,992 feet. Current flood insurance rate map information indicates the 100 year flood level at this area is 1,993.25 feet (+/-). A portion of the site also falls within 500' of Frontier Park, which is designated as a historical district.

Site Drawings



LOCATION PLAN

NORTH

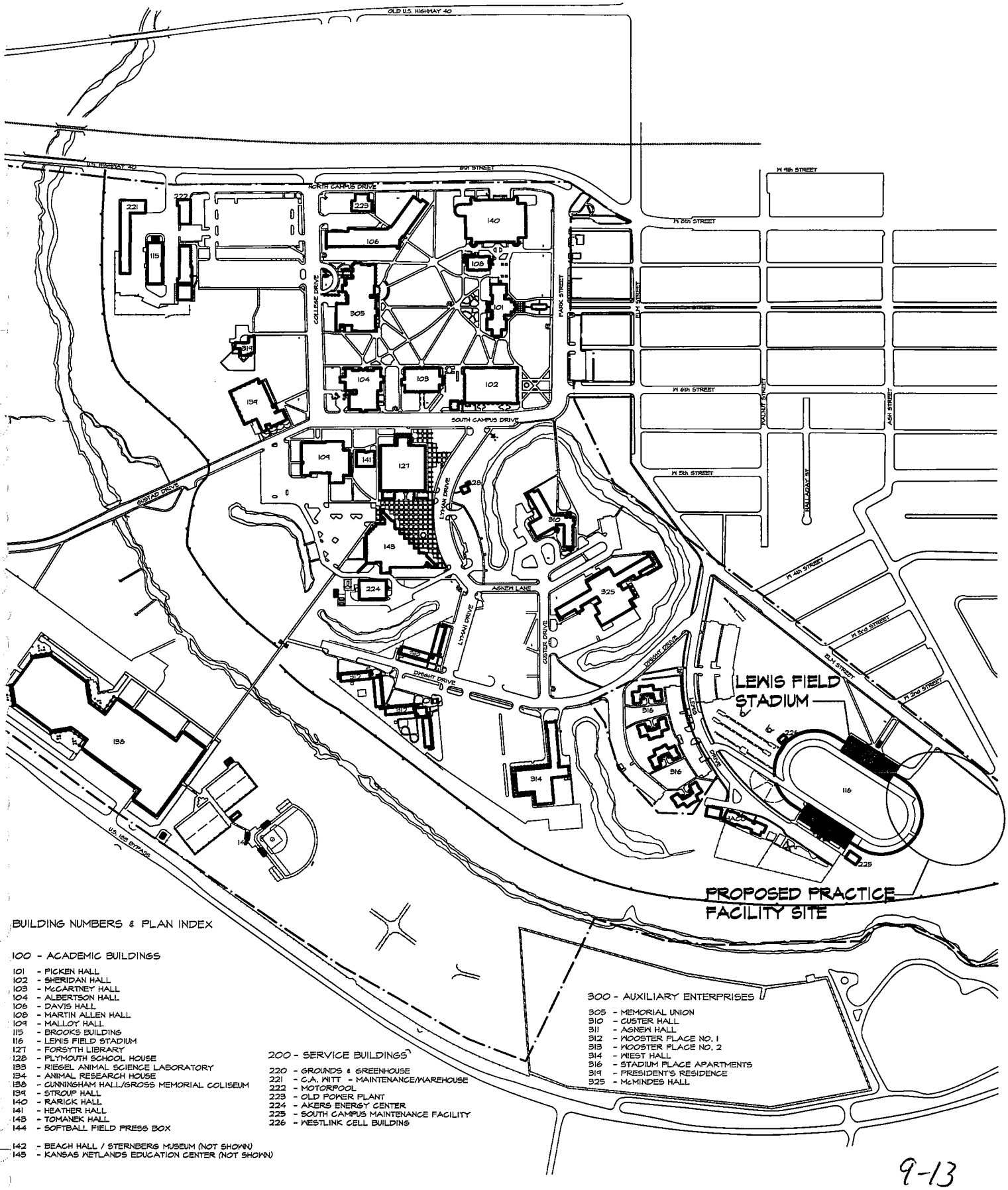
9-12

FORT HAYS STATE UNIVERSITY

SCALE: 1" = 500'

TRUE NORTH

PLAN NORTH



BUILDING NUMBERS & PLAN INDEX

100 - ACADEMIC BUILDINGS

101 - PICKEN HALL
102 - SHERIDAN HALL
103 - McCARTNEY HALL
104 - ALBERTSON HALL
106 - DAVIS HALL
108 - MARTIN ALLEN HALL
109 - MALLOY HALL
115 - BROOKS BUILDING
116 - LEWIS FIELD STADIUM
127 - FORSYTH LIBRARY
128 - PLYMOUTH SCHOOL HOUSE
133 - RIEGEL ANIMAL SCIENCE LABORATORY
134 - ANIMAL RESEARCH HOUSE
138 - CUNNINGHAM HALL/GROSS MEMORIAL COLISEUM
139 - STROUP HALL
140 - RARICK HALL
141 - HEATHER HALL
143 - TOMANEK HALL
144 - SOFTBALL FIELD PRESS BOX

142 - BEACH HALL / STERNBERG MUSEUM (NOT SHOWN)
145 - KANSAS WETLANDS EDUCATION CENTER (NOT SHOWN)

200 - SERVICE BUILDINGS

220 - GROUNDS & GREENHOUSE
221 - C.A. WITT - MAINTENANCE/WAREHOUSE
222 - MOTORPOOL
223 - OLD POWER PLANT
224 - AKERS ENERGY CENTER
225 - SOUTH CAMPUS MAINTENANCE FACILITY
226 - WESTLINK CELL BUILDING

300 - AUXILIARY ENTERPRISES

305 - MEMORIAL UNION
310 - CUSTER HALL
311 - AGNEW HALL
312 - WOOSTER PLACE NO. 1
313 - WOOSTER PLACE NO. 2
314 - WIEST HALL
316 - STADIUM PLACE APARTMENTS
319 - PRESIDENT'S RESIDENCE
325 - McMINDES HALL

9-13

Multi-Purpose Space, Restroom, Weight Room & Storage Descriptions

A. Multi-Purpose Practice Area 39,900 s.f.

1. 160' wide x 195' long rubber-filled synthetic turf surface. Turf to be same, or similar product, as installed at Lewis Field Stadium. Turf to be marked per NCAA gridlines for 55-yard football field. Turf to be installed over 5 ½" of stone with ½" sand topping, or as recommended by current installation standards.
2. Multi-purpose space to be heated with hydronic loop heating system.
3. Sidewalls of multi-purpose space to be 35'-0" tall.
4. Interior walls to be insulated and covered with liner panels as manufactured by building system supplier.
5. Interior fluorescent lighting to be installed in manner to provide maximum clear space to floor line.
6. Install (3) 10' x 10' overhead doors to allow for maintenance equipment access. Overhead doors to be strategically located to provide natural ventilation through space.
7. Retractable, ceiling-mounted indoor batting cage to be strategically located to avoid conflict with activities on playing surface.
8. Retractable, ceiling-mounted indoor track and field throwing cages to be strategically located to avoid conflict with activities on playing surface.
9. Provide in-floor power outlets for pitching machines used in conjunction with batting cages.
10. Upper level of sidewalls to have windows located throughout elevation to provide natural daylighting.
11. Provide wireless connectivity to space.
12. Provide 110v convenience outlets at 20'-0" o.c. located throughout perimeter.
13. Provide drinking fountains per International Plumbing Code requirements.
14. Install (1) 4' x 4' tackboard and (1) 4' x 12' marker board.
15. Provide (4) 3'-6" wide synthetic running lanes to extend full length of indoor space.
16. Provide 8' clear space between turf and edge of building adjacent to support space.
17. Provide 11'-6" of clearance between turf sidelines and sides of building walls.
18. Provide 18'-6" of clearance between end zone marking and end wall of building.
19. Provide pole vault box in slab for use by track and field, at one sidewall location.
20. Provide landing pit, with cover, at opposite sidewall location.

B. Restrooms (2) @ 280 s.f.

1. Men's and women's restrooms to be provided. Fixture count to be in compliance with International Plumbing Code requirements, based upon final occupant count. Minimum consideration would include (3) water closets and (2) lavatories per restroom.
2. Restroom floor surfaces to be ceramic tile. Wall surfaces to be ceramic tile at minimum of 4' wainscot height.

3. Restrooms to be provided with natural daylighting.
4. Restrooms to be located near main entrance and weight room.
5. Provide 110v convenience outlets.
6. Toilet partitions to be of solid plastic color core material.
7. Ceiling to be minimum 8' height.
8. Ceiling surface to be 2' x 2' acoustic tile, with lay-in troffer light fixtures.
9. Lavatories to be drop-in style for installation in countertop.
10. Provide 36" x 36" shower stall with privacy door and dressing bench.

C. Weight Room 5,000 s.f.

1. Provide 5,000 s.f. of floor area to support free weights, as well as strength training equipment, with appropriate clear space between equipment.
2. Flooring to be of rubber, or "Mondo" type product. Consider use of product which allows for easy replacement of damaged surfaces.
3. Ceiling height to be 10' clear.
4. Weight room to be provided with air conditioning.
5. Provide windows for natural daylighting and ventilation.
6. Provide in-floor outlets as required for use of cardio equipment such as treadmills.
7. Room to be equipped with sound system and strategically located wall-mounted TV's.
8. Provide strategically located 110v convenience outlets to be located in perimeter walls.
9. Room to be equipped with wireless connectivity.
10. Provide (1) 4' x 4' marker board and (1) 4' x 4' tackboard.
11. Wall surfaces to be of durable material resistive to denting and damage.
12. Ceiling surface to be 2' x 2' acoustical tile, with lay-in troffer fluorescent light fixtures.
13. Provide full height mirrors at free weight areas.
14. Provide 50 cubicles for storage of personal items.
15. Install 50 coat hooks in proximity to entry door.
16. Install flush-mounted ceiling fans throughout space.

D. Storage Room(s) 2,500 s.f.

1. Storage room floors to be sealed concrete.
2. Ceilings to be exposed to structure above, for maximum allowable storage height. Minimum height to be 10'-0".
3. Lighting to be suspended fluorescent strip fixtures.
4. Storage bays to be equipped with 10' x 10' overhead door connecting to multi-purpose room.
5. At least (1) storage bay to be equipped with 10' x 10' overhead door connecting to exterior.
6. Remaining entrance doors to provide 6'-0" wide x 7'-0" high opening.
7. Room(s) to provide storage space for football, soccer, baseball, softball and track equipment used in multi-purpose space.
8. Wall surfaces to be of durable, utilitarian finish.
9. Provide strategically located 110v convenience outlets.

E. Office 175 s.f.

1. Floor finish to be carpet.
2. Ceiling height to be 8'-0".
3. Walls to be painted gypsum board.
4. Ceiling finish to be 2' x 2' acoustic tile.
5. Lighting to be 2' x 4' lay-in fluorescent troffer fixtures.
6. Provide (1) 4' x 4' marker board and (1) 4' x 4' tackboard.
7. Provide (2) coat hooks to be located behind door.
8. Office to be located off main circulation corridor near weight room.
9. Provide 110v convenience outlets at each wall.
10. Provide telecommunication outlets at (2) walls.
11. Provide (5) 15" wide, full-height lockers for use by football officials.
12. Provide bench seating for (5) individuals.

F. Custodial Room 100 s.f.

1. Floor finish to be sealed concrete.
2. Walls to be painted gypsum board.
3. Ceiling height to be 8'-0".
4. Ceiling finish to be 2' x 2' acoustic tile.
5. Lighting to be 2' x 4' lay-in fluorescent troffer light fixture.
6. Provide 30" x 30" floor-mounted mop sink.
7. Install water connection for chemical mixing station.
8. Provide 6 linear feet of floor to ceiling storage shelving.
9. Provide 110v convenience outlets at 6' o.c.
10. Provide mop/broom strips.
11. To be located in proximity to restrooms.

G. Mechanical Room 375 s.f.

1. Floor finish to be sealed concrete.
2. Provide floor drain(s) strategically located.
3. Ceiling to be exposed to structure above.
4. Minimum ceiling height to be 10'-0".
5. Provide door opening of 6'-0" wide by 7'-0" high.
6. Lighting to be suspended strip fluorescent fixtures.
7. Walls to be of durable utilitarian finish.
8. Mechanical room to be located on exterior wall.
9. Provide telecommunications wiring pathway for energy management control system.
10. Provide 110v convenience outlets at 10' o.c.

Project Budget

Estimated Cost of Construction

Indoor Practice Field & Support Space[1]		
49,500[2] s.f. x $69.00/s.f. +/-		$3,400,000

Estimated Cost Other Than Construction

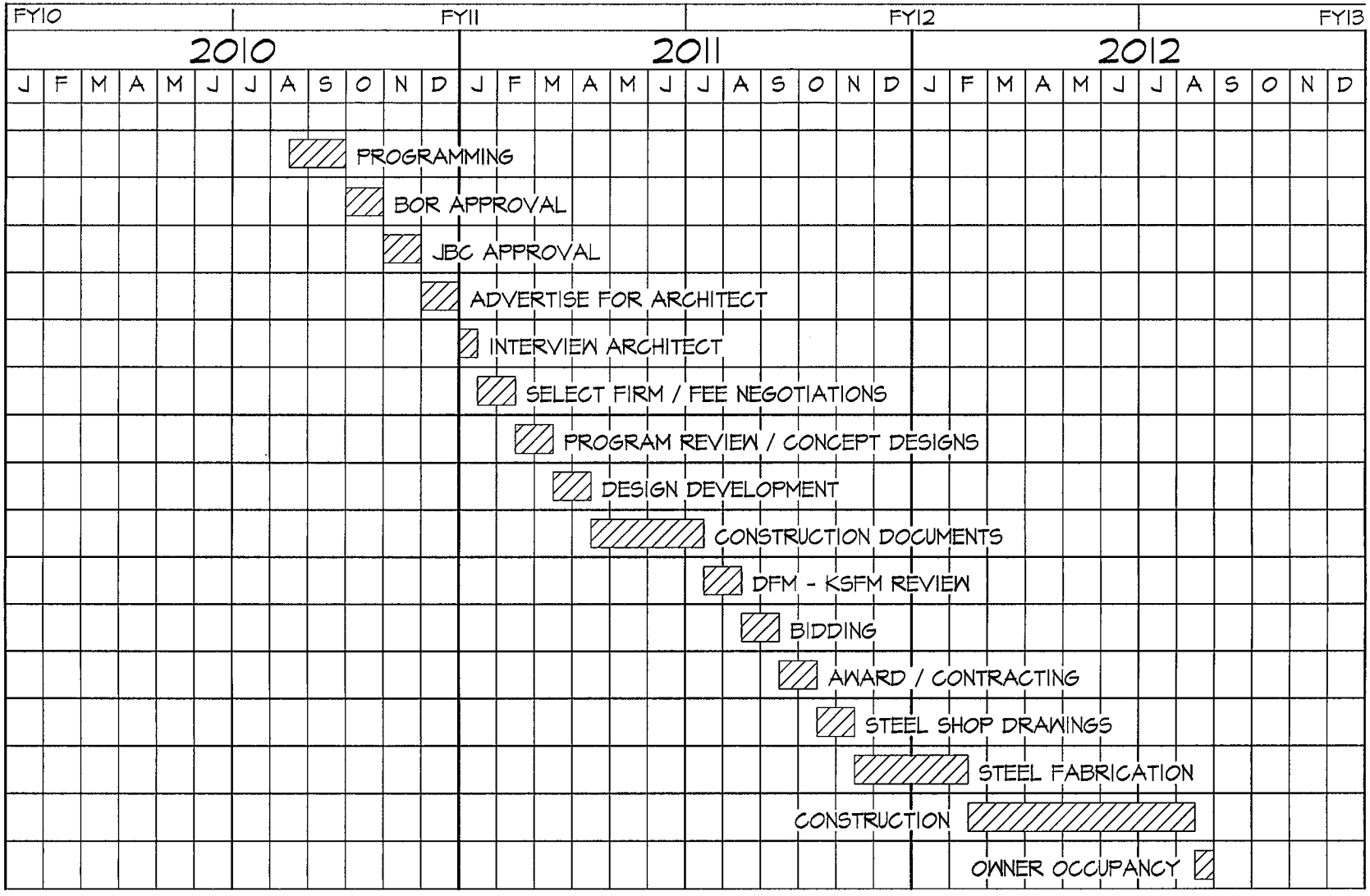
Architectural/Engineering Fees (7.25%)	$245,000	
Contingency (5%)	170,000	
DFM Fee (1%)	35,000	
Printing/Soils Testing/Site Survey	15,000	
Movable Equipment (4%)	135,000	
		$600,000
		$4,000,000

[1] All construction estimates are based on bids being received in 2011.

[2] Program space @ support building = 8,700 s.f. x 10% circulation/wall area = 9,570 s.f. Round to 9,600 s.f. Multi-purpose space equals 39,900 s.f.

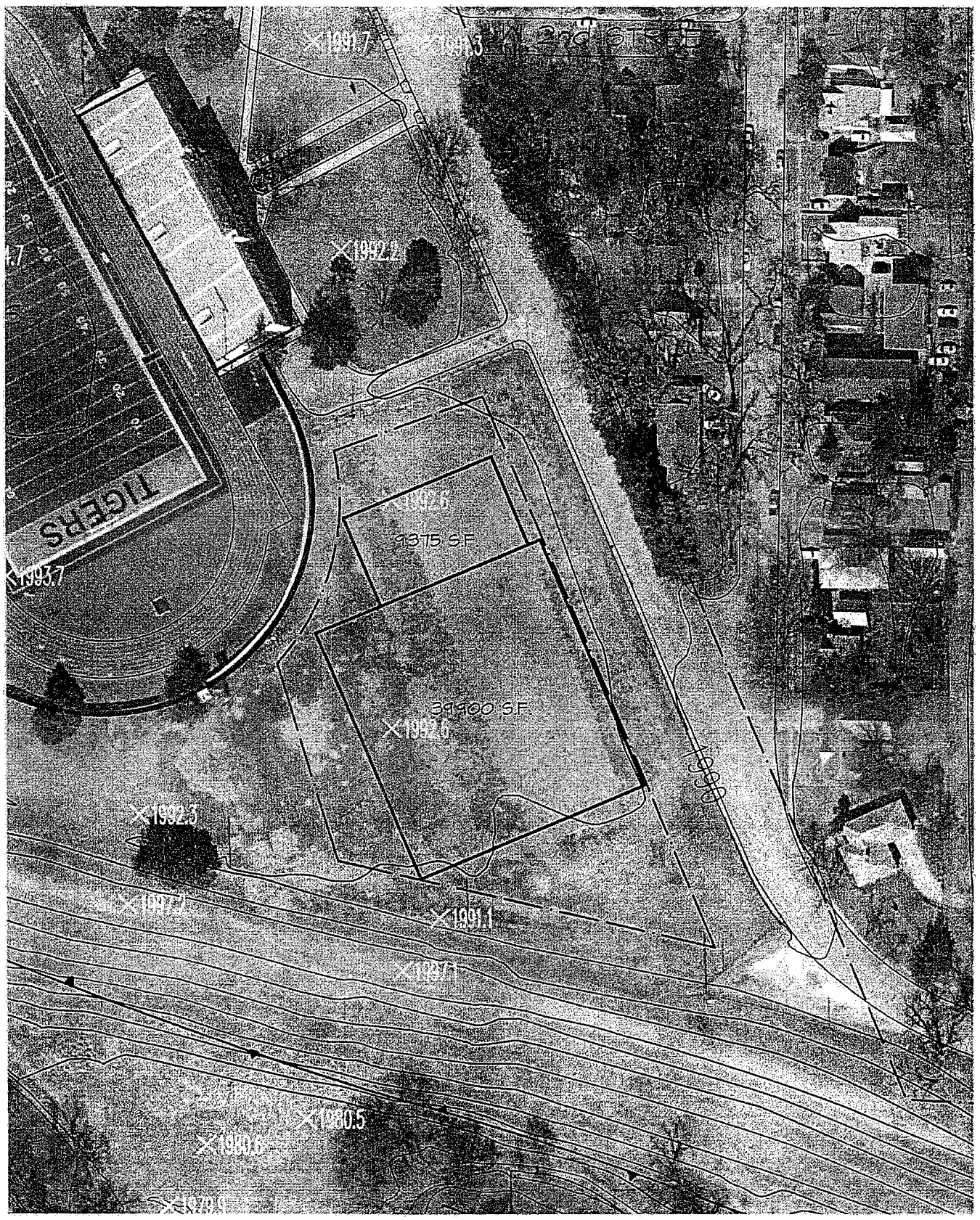
Project Schedule

PROJECT SCHEDULE



9-19

Conceptual Site Drawing and Floor Plan

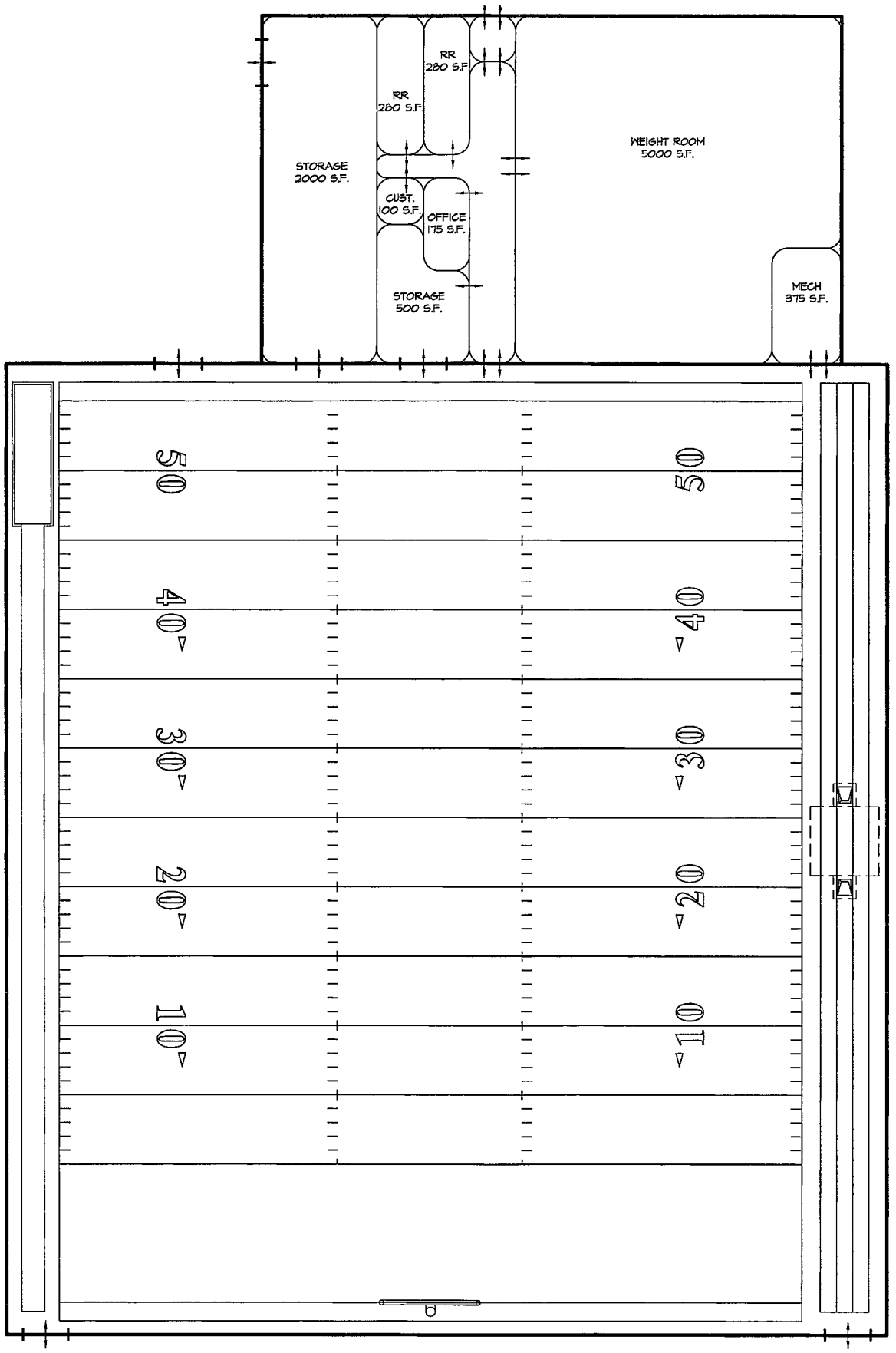


INDOOR PRACTICE FACILITY CONCEPTUAL SITING

SCALE: 1" = 100'

SEPTEMBER 2010

9-21



INDOOR PRACTICE FACILITY CONCEPTUAL FLOORPLAN

15' 0 15' 30'

SEPTEMBER 2010

9-22

Five-Year Capital Budget Plan
FY2012 – FY2016

Attachment 10
JCSBC 11-10-10

KANSAS BOARD OF REGENTS INSTITUTIONS
FY 2012 CAPITAL IMPROVEMENT REQUESTS AND FIVE-YEAR PLANS

FIVE-YEAR CAPITAL BUDGET PLAN - DA 418A

DIVISION OF THE BUDGET
STATE OF KANSAS

AGENCY NAME: **WICHITA STATE UNIVERSITY**

July 1, 2010

PROJECT TITLE	ESTIMATED PROJECT COST	PRIOR YEARS COST	PRIOR YEARS FUNDS	CURRENT YEAR COST	CURRENT YEAR FUNDS	FY 2012 COST	FY 2012 FUNDS	FY 2013 COST	FY 2013 FUNDS	FY 2014 COST	FY 2014 FUNDS	FY 2015 COST	FY 2015 FUNDS	FY 2016 COST	FY 2016 FUNDS	SUBSEQUENT YEARS
Deferred Maintenance	$ 53,258,981	$ 6,567,470	IMP		SGF/IMP	$ 5,541,155	SGF/IMP	$ 5,541,155	SGF	$ 5,541,155	SGF	$ 5,541,155	SGF	$ 5,541,155	SGF	18,985,736
Subtotal State Funds	**$ 53,258,981**	**$ 6,567,470**		**$ -**		**$ 5,541,155**		**$ 5,541,155**		**$ 5,541,155**		**$ 5,541,155**		**$ 5,541,155**		**$ 18,985,736**
Deferred Maintenance	4,741,019	2,587,949	UI	358,845	UI	358,845	UI	358,845	UI	358,845	UI	358,845	UI	358,845	UI	
Parking Maintenance & Improvements	940,000					340,000	PF	380,000	PF	60,000	PF	100,000	PF	60,000	PF	
Remodel Biological Core Labs in Hubbard Hall	2,538,800			850,800	F	1,688,000	F									
Eck Stadium / Home of Tyler Field / Phase V Improvements	6,802,400	3,527,000	PG/AA					3,275,400	PG/AA							
Advanced Education in General Dentistry Clinic	6,400,000	256,000	PG	5,000,000	PG	1,144,000	PG									
Rhatigan Student Center Expansion & Renovation	28,400,000			1,365,000	RB/SF	15,000,000	RB/SF	12,035,000	RB/SF							
Subtotal Other Funds	**$ 49,822,219**	**$ 6,370,949**		**$ 7,574,645**		**$ 18,530,845**		**$ 16,049,245**		**$ 418,845**		**$ 458,845**		**$ 418,845**		**$ -**
TOTAL	**$ 103,081,200**	**$ 12,938,419**		**$ 7,574,645**		**$ 24,072,000**		**$ 21,590,400**		**$ 5,960,000**		**$ 6,000,000**		**$ 5,960,000**		**$ 18,985,736**

FUNDING SOURCES:

AA - Athletic Association
CERTA - County Educ. Research Triangle Auth.
F - Federal
HF - Housing Funds
IMP - Infrastructure Maintenance Program
KBA - Kansas Bioscience Authority
PF - Parking Fees
PG - Private Gifts
RB - Revenue Bonds
RI - Research Institute
RF - Restricted Fees
SB - State Bonds
SF - Student Fees
SGF - State General Fund
T - Tuition
U - Union
UI - University Interest
VMR - Veterinary Medicine Hosp. Rev.

Deferred Maintenance Program

Agency: Wichita State University

DA-418B

Date: July 1, 2010

PROJECT REQUEST EXPLANATION

1. Project Title:	2. Project Priority:
Deferred Maintenance Program	A1-S1

3. Project Description and Justification:

Wichita State University (WSU) has identified the most critical deferred maintenance priorities, consistent with the Fall 2006 study that is the basis for this initiative. The Board of Regents recognizes the need for some flexibility as the deficiencies listed in the study get translated into a practical project list. However, the Board also directed the universities to produce projects that are clearly and powerfully aligned with the deficiencies in the study. The State Educational Institution Long-term Infrastructure Maintenance Program legislation requires the Board of Regents to prepare a report similar to the 2006 study every two years. An updated report was completed in the Fall of 2008, and priorities will be re-evaluated again based on critical needs in the Fall of 2010.

WSU has now completed deferred maintenance projects involving campus infrastructure, and many items that needed to be addressed in the Visual Communications Building, Wallace Hall, Ahlberg Hall, McKnight Art Center, Central Energy Plant, Lindquist Hall, Jardine Hall, Heskett Center and the National Institute for Aviation Research. Current deferred maintenance priorities are focused on three major projects that require either phased construction and/or multi-year funding. These three projects involve the replacement of the HVAC systems in Duerksen Fine Arts Center, the Engineering Building and Grace Wilkie Hall.

4. Estimated Project Costs:		5. Project Phasing (each category includes related miscellaneous costs):	
A. Construction Costs (including fixed equipment & site work)		A. Preliminary Plans	
B. Design Fees		B. Final Plans	
C. Project Contingency		C. Construction Costs	
D. Miscellaneous Costs			
TOTAL	$58,000,000	TOTAL	$58,000,000

6. Amount by Source of Funding:

Fiscal Years	State General Fund	Infrastructure Maintenance Program	University Interest Earnings	Private Gifts or Federal Grants	User Fees (specify, *i.e.*, Housing, Parking, etc.)	Totals by Year
Prior Years		6,567,470	2,587,949			9,155,419
Current Year			358,845			358,845
FY 2012	4,510,155	1,031,000	358,845			5,900,000
FY 2013	5,541,155		358,845			5,900,000
FY 2014	5,541,155		358,845			5,900,000
FY 2015	5,541,155		358,845			5,900,000
FY 2016	5,541,155		358,845			5,900,000
Subsequent Years	18,985,736					18,985,736
Totals by Funding Source	$45,660,511	$7,598,470	$4,741,019			$58,000,000

Long-Term Infrastructure Maintenance Program

WICHITA STATE UNIVERSITY

Project Update

November, 2010

10-5

COMPLETED PROJECTS

Replacement and Upgrade of Elevator Equipment Controls

Ahlberg Hall – two passenger elevators	$163,954
Jardine Hall – one passenger elevator	59,438
Lindquist Hall – two passenger elevators	190,347
McKnight Art Center – two passenger elevators	79,994
Wallace Hall – one passenger elevator	35,225

Replacement of Pneumatic HVAC Building Controls with Digital Controls

Heskett Center	$116,696
McKnight Art Center	134,066
National Institute for Aviation Research	86,780

Replacement and Upgrade of Electrical Service

Replace motor control center at the Central Energy Plant	$232,096
Replace primary service, transformer and switch gear at DFAC	241,951
Replace / expand needed service to Visual Communications Building	53,942
Replace / expand needed service to Wallace Hall Annex	112,000
Replace transformer and switch gear to serve Ahlberg Hall (*combined with infrastructure project to waterproof utility tunnel*)	

Infrastructure

Excavated and waterproofed 420 lineal feet of utility tunnel, and combined project with replacement of electrical transformer and switch gear that serves Ahlberg Hall	$727,759
Addressed deficient fire prevention with the addition of 2,360 lineal feet of 8 inch water mains, and the addition of three fire hydrants	311,092

Duerksen Fine Arts Center

Demolition of obsolete boilers, and abatement of related asbestos containing building materials	$ 99,590
Replacement of existing aluminum storefront single pane glass and entrances, with more energy efficient double pane glass and entrances	276,124

Replacement of HVAC in the Engineering Building

Total demolition of existing HVAC system and replacement with new energy efficient equipment	$1,263,600

CURRENT PROJECTS

Replacement of Building HVAC Systems

Duerksen Fine Arts Center

Negotiated consulting engineering fees for design, construction documents and construction administration for replacement of HVAC systems involving three separate phases or projects	$ 776,100
Engineer's cost estimate for Phase I HVAC replacement	2,784,938
Actual bid – Construction contract amount for Phase 1	1,663,816
Engineer's cost estimate for Phase II HVAC replacement	2,408,923
Actual bid – Construction contract amount for Phase 2	1,198,000
Engineer's cost estimate for Phase III HVAC replacement	3,488,527

Grace Wilkie Hall

Negotiated consulting engineering fees for design, construction documents and construction administration for replacement of HVAC system	$ 168,500
Engineer's cost estimate for HVAC replacement	2,352,000

Parking Maintenance and Improvements

Agency: Wichita State University

DA-418B

Date: July 1, 2010

PROJECT REQUEST EXPLANATION

1. Project Title:	2. Project Priority:
Parking Maintenance & Improvements	

3. Project Description and Justification:

There is an on-going need to annually assess and provide maintenance on the University's parking lots and street system. Maintenance and improvement projects have been identified and proposed for FY 2012 through FY 2016.

4. Estimated Project Costs:		5. Project Phasing (each category includes related miscellaneous costs):	
A. Construction Costs (including fixed equipment & site work)	799,000	A. Preliminary Plans	16,000
B. Design Fees	47,000	B. Final Plans	31,000
C. Project Contingency	94,000	C. Construction Costs	893,000
D. Miscellaneous Costs			
TOTAL	$940,000	TOTAL	$940,000

6. Amount by Source of Funding:

Fiscal Years	State General Fund	Infrastructure Maintenance Program	University Interest Earnings	Private Gifts or Federal Grants	Parking Fees	Totals by Year
Prior Years						
Current Year						
FY 2012					340,000	340,000
FY 2013					380,000	380,000
FY 2014					60,000	60,000
FY 2015					100,000	100,000
FY 2016					60,000	60,000
Subsequent Years						
Totals by Funding Source					$940,000	$940,000

10-12

Remodel Biological Core Laboratories
Hubbard Hall

10-13

Agency: Wichita State University

DA-418B

Date: July 1, 2010

PROJECT REQUEST EXPLANATION

1. Project Title:	2. Project Priority:
Remodel Biological Core Laboratories in Hubbard Hall	

3. Project Description and Justification:

This proposed remodel project involves significant upgrade to several of the Department of Biological Sciences core research laboratories on the 4th floor of Hubbard Hall. These labs were recently reorganized as a result of an award of a 5-year National Institute of Health research grant. Three lab functions have been consolidated which include protein expression, protein purification and characterization, and protein functional analysis. These functions involve three fundamental disciplines, requiring three different types of laboratories for Molecular, Protein and Cell Culture cores. In addition, a departmental 'common equipment room' housing many instruments utilized in the research project have been re-designated as the Equipment Core. These four Core Labs have been organized functionally and administratively into a Combined Core Facility to support the research grant.

These labs have not received any major renovation since Hubbard Hall was built in 1973, and the labs were originally designed to meet the needs of undergraduate teaching labs, not research. The Combined Core Facility as currently configured has numerous deficiencies that adversely impact the ability to carry out the research project in an efficient manner. Other deficiencies include the poor condition of lab benches, cabinets, sinks, lack of emergency power and eyewash/shower stations, inappropriate fume hoods, etc. The proposed remodeling of the Combined Core Facility is targeted at addressing these deficiencies for the Department of Biological Sciences.

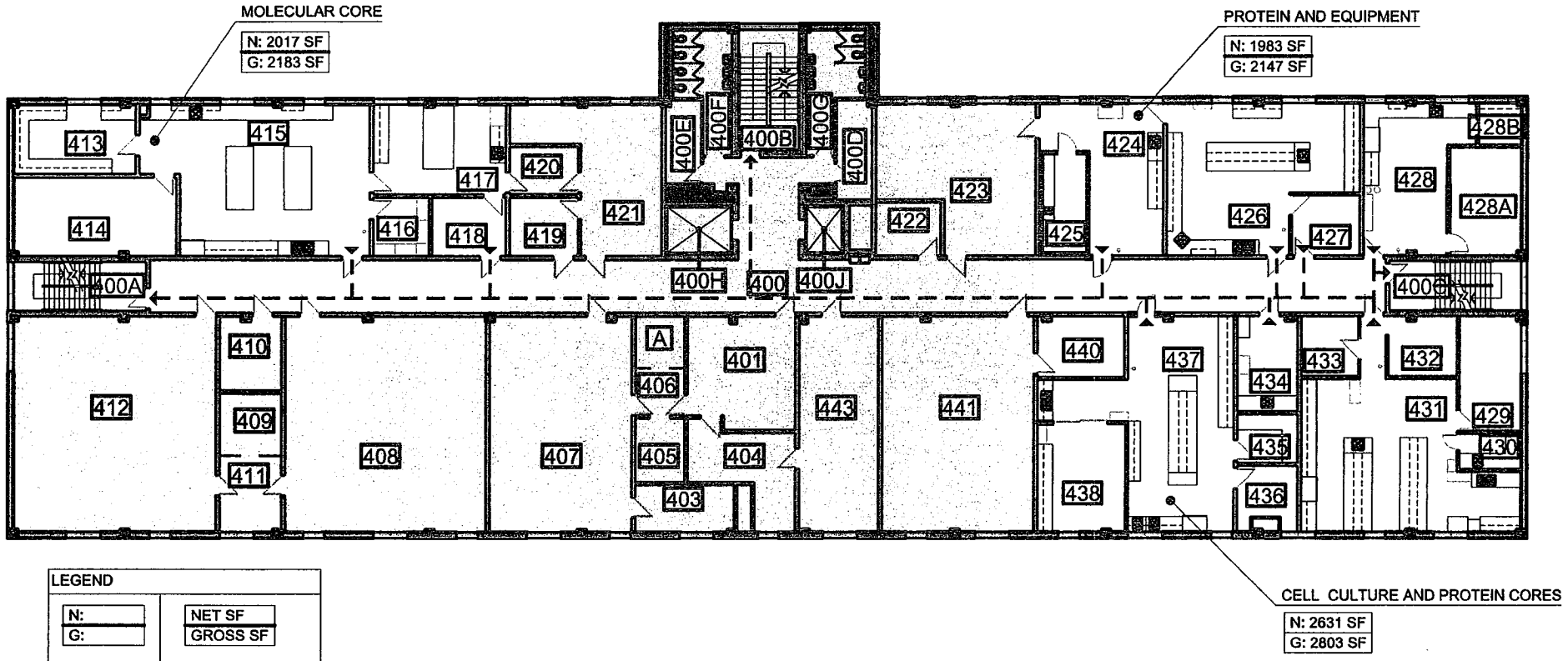
4. Estimated Project Costs:		5. Project Phasing (each category includes related miscellaneous costs):	
A. Construction Costs (including fixed equipment & site work)	$1,396,450	A. Preliminary Plans	44,000
B. Design Fees	125,700	B. Final Plans	88,000
C. Project Contingency	153,600	C. Construction Costs	2,406,800
D. Miscellaneous Costs	863,050		
TOTAL	$2,538,800	TOTAL	$2,538,800

6. Amount by Source of Funding:

Fiscal Years	State General Fund	Infrastructure Maintenance Program	University Interest Earnings	National Institute of Health	Private Gifts	Totals by Year
Prior Years						
Current Year				850,800		850,800
FY 2012				1,688,000		1,688,000
FY 2013						
FY 2014						
FY 2015						
FY 2016						
Subsequent Years						
Totals by Funding Source				$2,538,800		$2,538,800

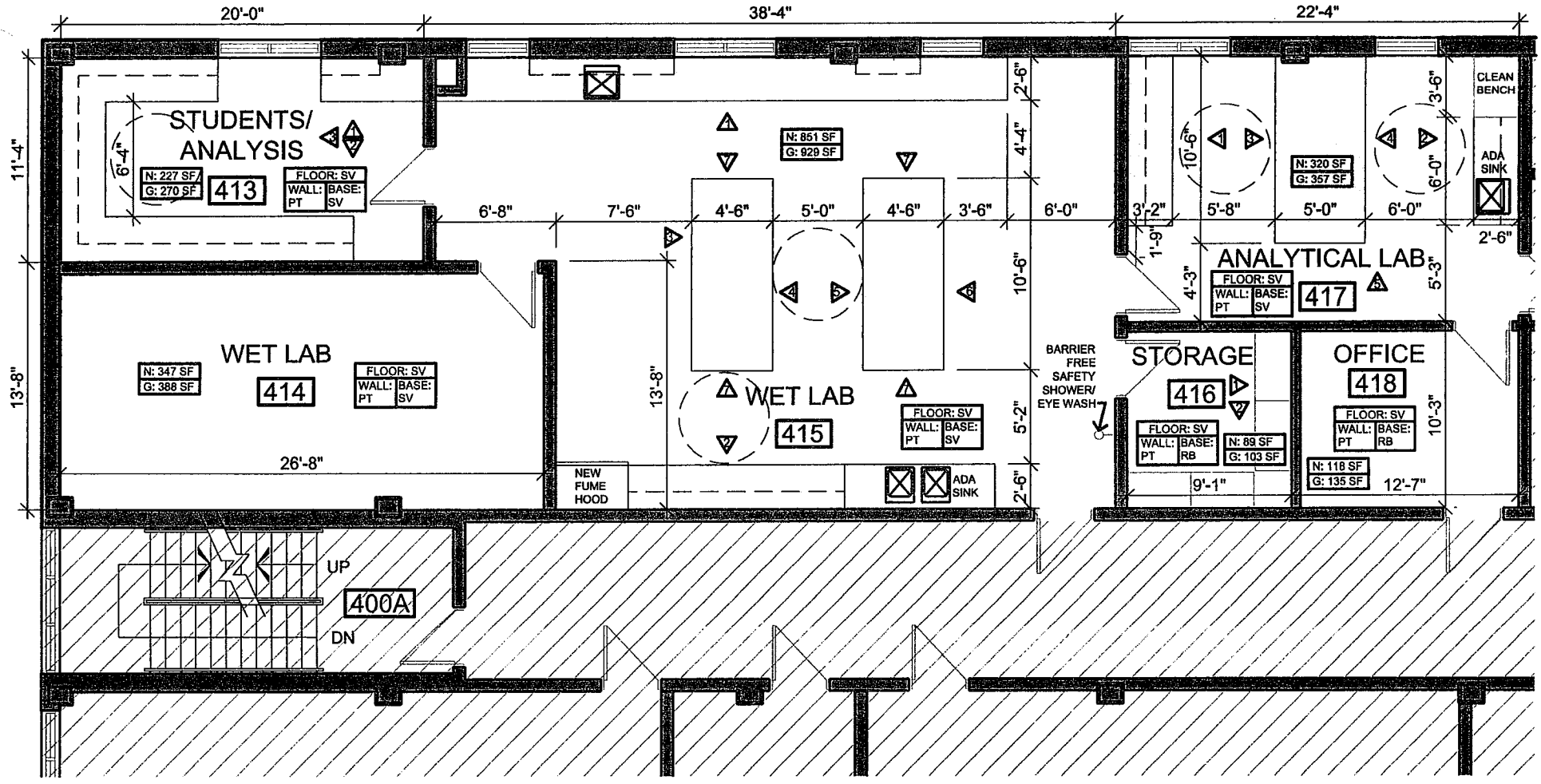
10-14

10-15



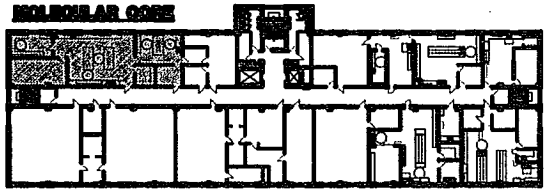
LEGEND	
N: / G:	NET SF / GROSS SF
←	BUILDING EXIT
▾	ROOM EXIT

① HUBBARD HALL- 4TH FLOOR



① MOLECULAR CORE PROPOSED FLOOR PLAN

1/8"=1'-0"



① KEYPLAN

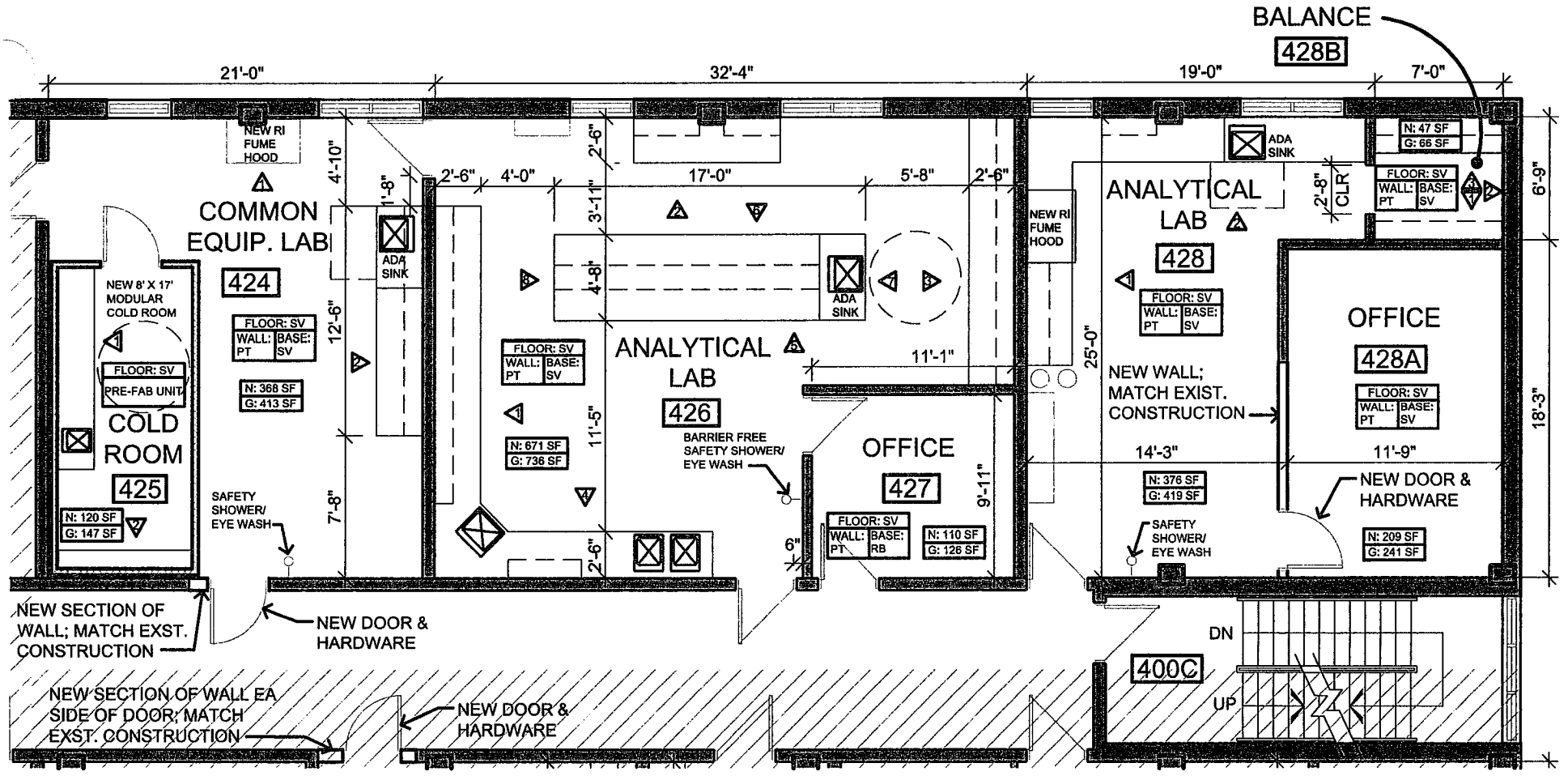
N: / G:	=	NET SF / GROSS SF	
FLOOR: / WALL: / BASE:	=	FLOOR: FINISH / WALL: FINISH / BASE: FINISH	

INDICATES EXISTING DOOR TO REMAIN

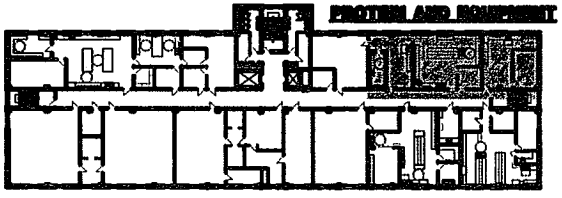
INDICATES NEW DOOR

NEW WALL

SOLID HATCHED ITEMS ARE TO REMAIN; PATCH & REPAIR AS REQUIRED, MATCH EXISTING ADJACENT MATERIALS

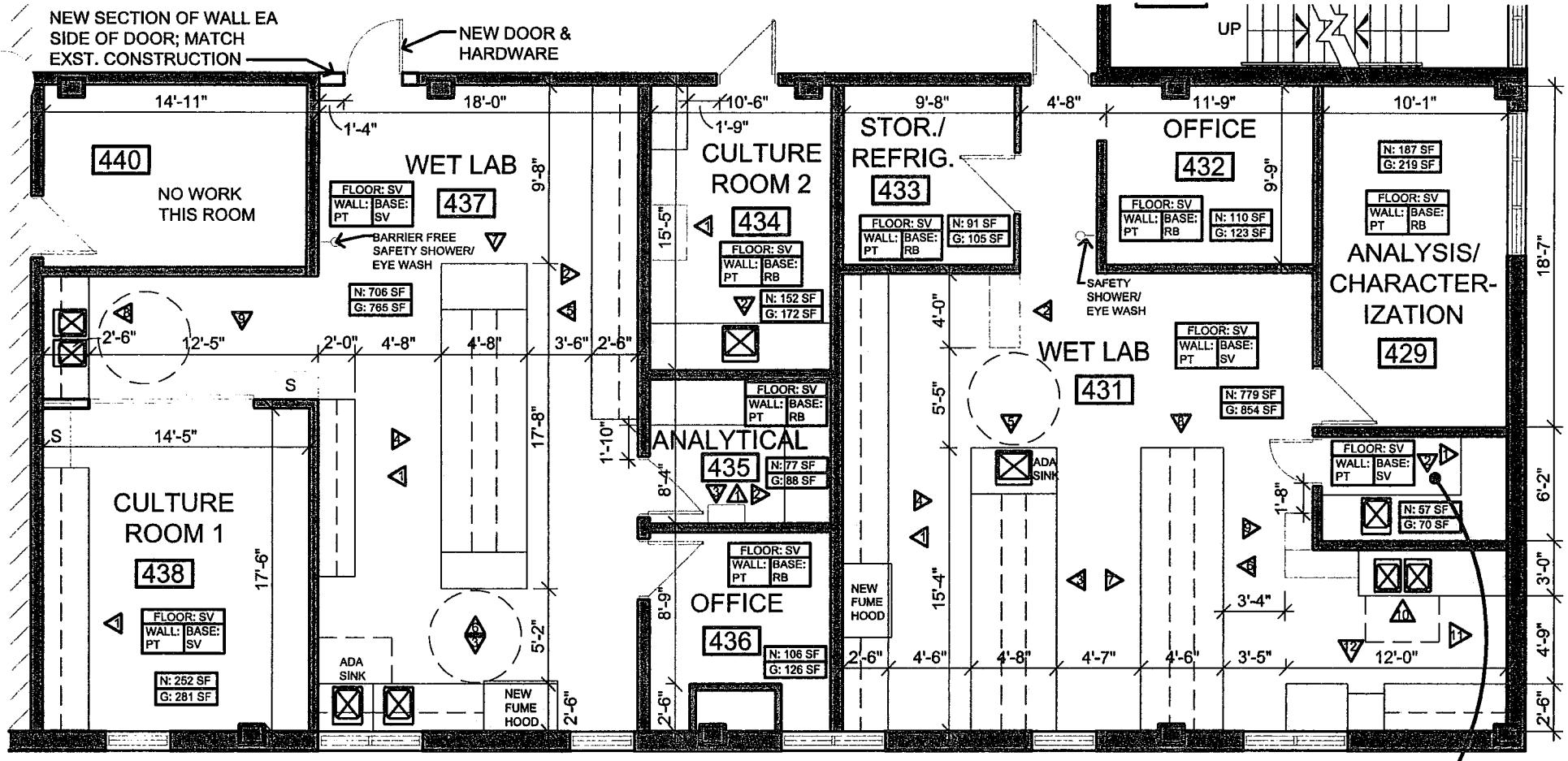


① PROTEIN AND EQUIPMENT PROPOSED FLOOR PLAN



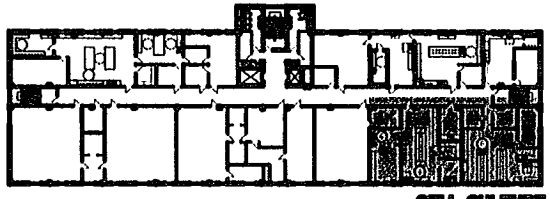
① KEYPLAN

N: / G:	= NET SF / GROSS SF	INDICATES EXISTING DOOR TO REMAIN	NEW WALL
FLOOR: / WALL: / BASE:	= FLOOR: FINISH / WALL: FINISH / BASE: FINISH	INDICATES NEW DOOR	SOLID HATCHED ITEMS ARE TO REMAIN; PATCH & REPAIR AS REQUIRED, MATCH EXISTING ADJACENT MATERIALS



① CELL CULTURE AND PROTEIN CORES PROPOSED FLOOR PLAN

PURIFIED WATER/ STOR.
430



① KEYPLAN

CELL CULTURE & PROTEIN CORES

N: / G:	= NET SF / GROSS SF
FLOOR: / WALL: / BASE:	= FLOOR: FINISH / WALL: FINISH / BASE: FINISH
INDICATES EXISTING DOOR TO REMAIN	NEW WALL
INDICATES NEW DOOR	SOLID HATCHED ITEMS ARE TO REMAIN; PATCH & REPAIR AS REQUIRED, MATCH EXISTING ADJACENT MATERIALS

10-18

Eck Stadium / Home of Tyler Field
Phase V Improvements

10-19

Agency: Wichita State University

DA-418B

Date: July 1, 2010

PROJECT REQUEST EXPLANATION

1. Project Title:	2. Project Priority:
Eck Stadium / Home of Tyler Field / Phase V Improvements	

3. Project Description and Justification:

Eck Stadium / Home of Tyler Field are the home facilities utilized by the Wichita State University Intercollegiate Athletic Association baseball program. These facilities have been constructed in a series of phased improvements over a 30-year period utilizing primarily private funding and revenues from the Athletic Association. It is planned that the proposed Phase V improvements will be constructed as two separate projects, referred to as Part A and Part B. Part A provides approximately 29,000 sq. ft. of indoor practice facilities with a full size artificial turf infield. Part B requires removal of an existing concession stand, and removal of the existing ticket office and visiting team locker room. This will make way for construction of new coaches' offices, home team locker room and support spaces, team meeting room, and field level grandstand improvements. The existing home team locker room will become the visiting team locker room, and existing coaches' offices will be converted into a ticket office.

Construction on Part A was substantially completed and occupied on December 18, 2009. Construction on Part B is targeted to begin in FY 2013.

4. Estimated Project Costs:		5. Project Phasing (each category includes related miscellaneous costs):	
A. Construction Costs (including fixed equipment & site work)	5,220,000	A. Preliminary Plans	145,000
B. Design Fees	340,000	B. Final Plans	245,000
C. Project Contingency	400,000	C. Construction Costs	6,412,400
D. Miscellaneous Costs	842,400		
TOTAL	$6,802,400	TOTAL	$6,802,400

6. Amount by Source of Funding:

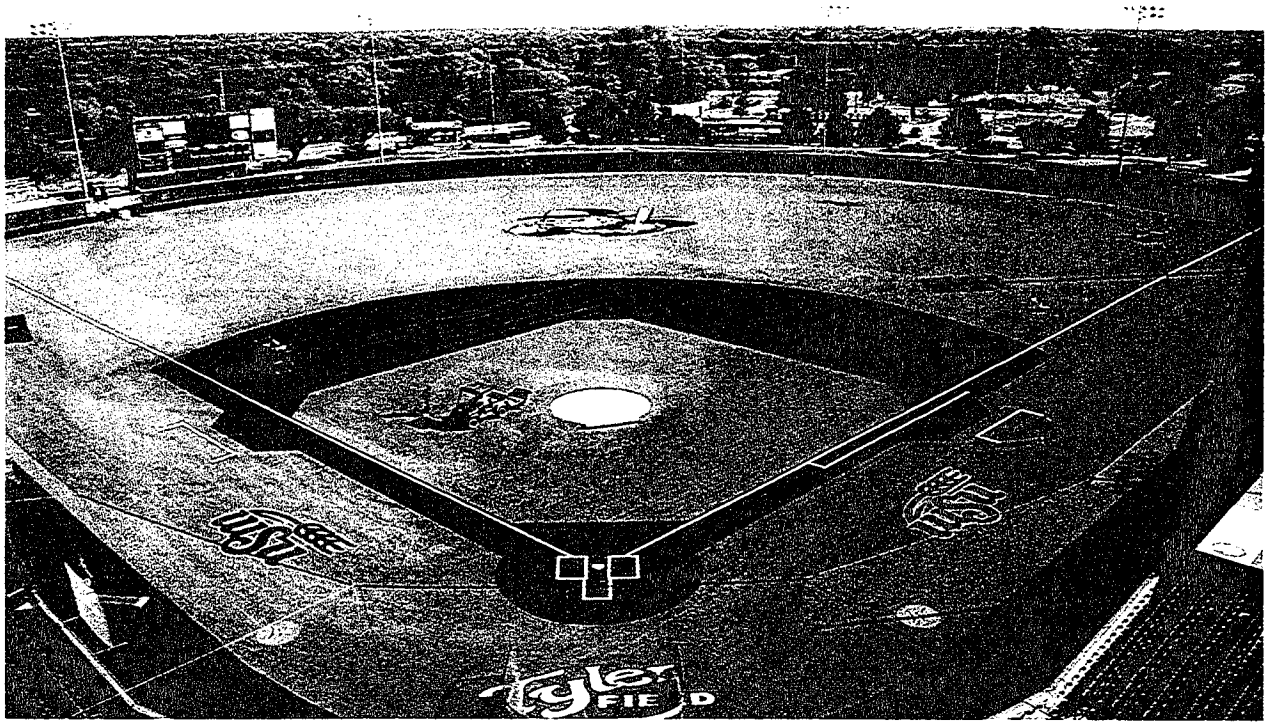
Fiscal Years	State General Fund	Infrastructure Maintenance Program	University Interest Earning	Private Gifts & ICAA	User Fees (specify, *i.e.*, Housing, Parking, etc.)	Totals by Year
Prior Years				3,527,000		3,527,000
Current Year						
FY 2012						
FY 2013				3,275,400		3,275,400
FY 2014						
FY 2015						
FY 2016						
Subsequent Years						
Totals by Funding Source				$6,802,400		$6,802,400

10-20

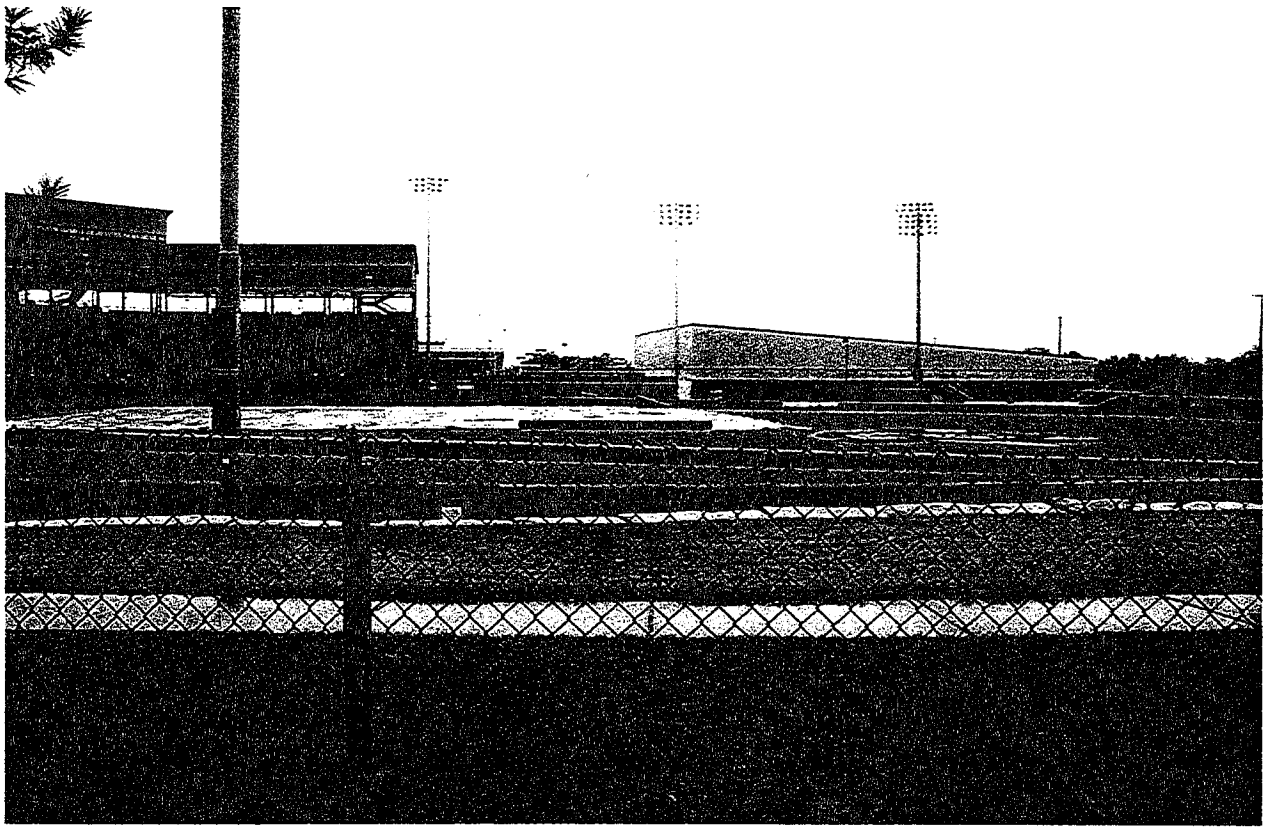
Recently Completed – Part 'A'

Eck Stadium / Home of Tyler Field
Phase V Improvements

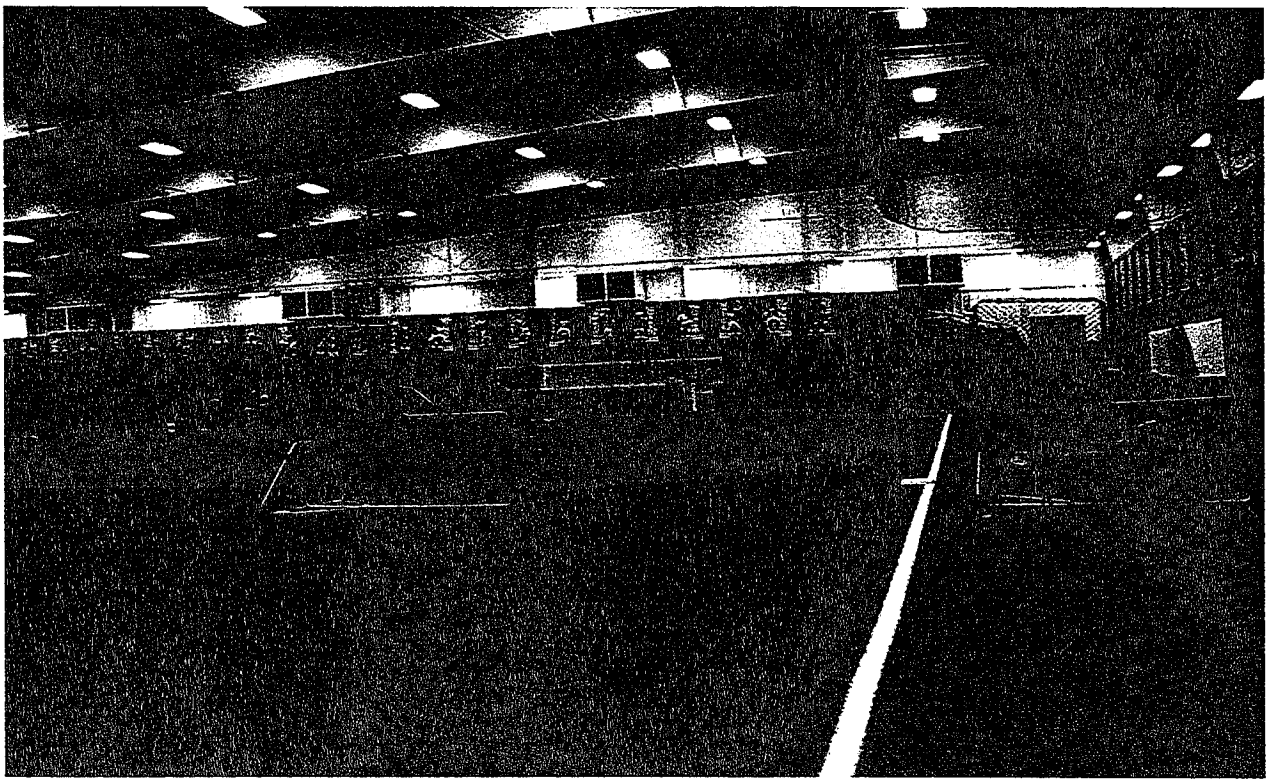
10-21

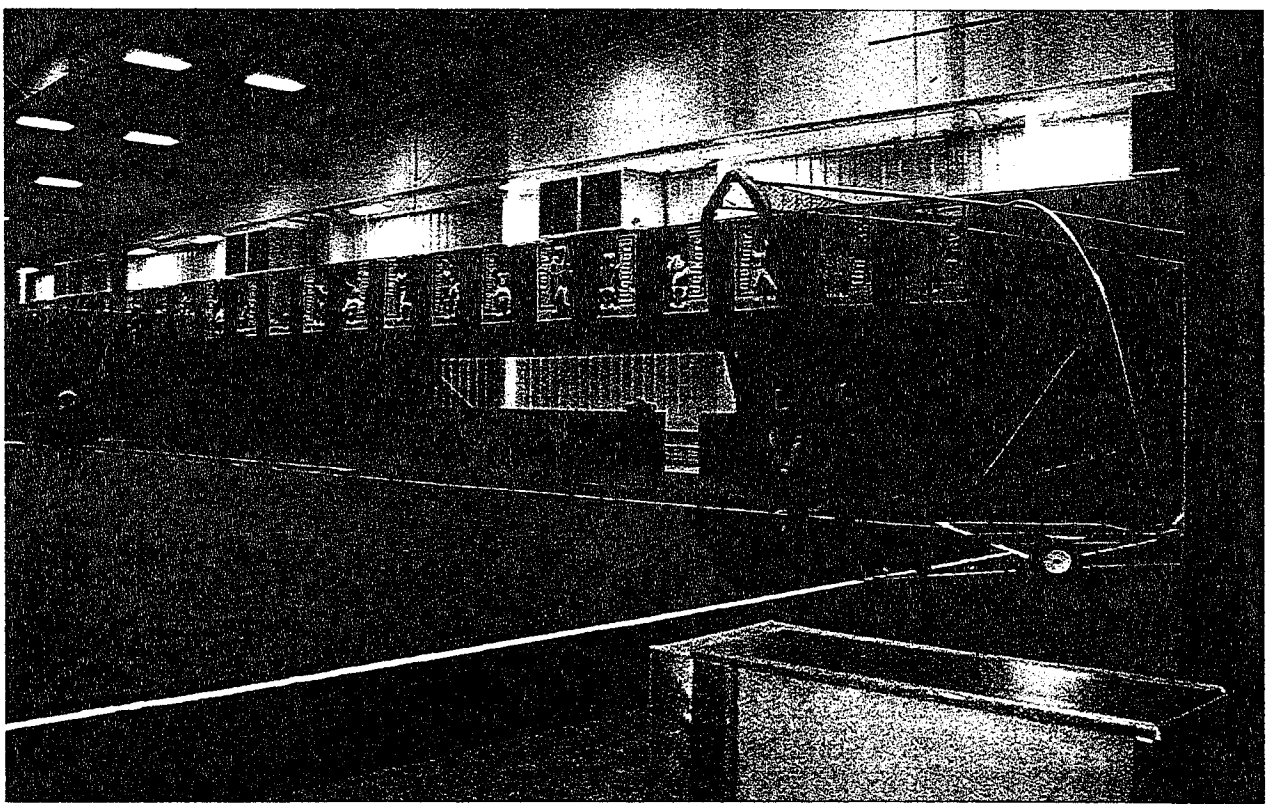


New Artificial Turf on Tyler Field

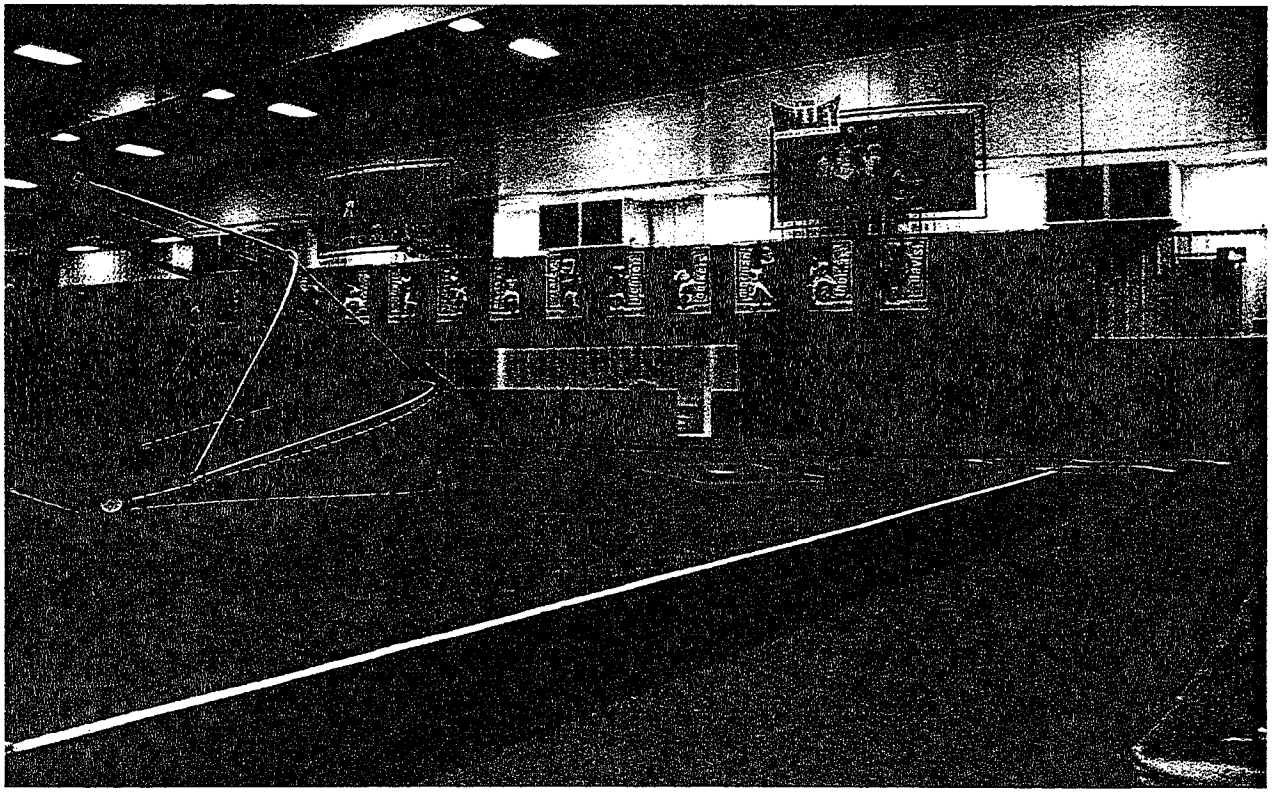


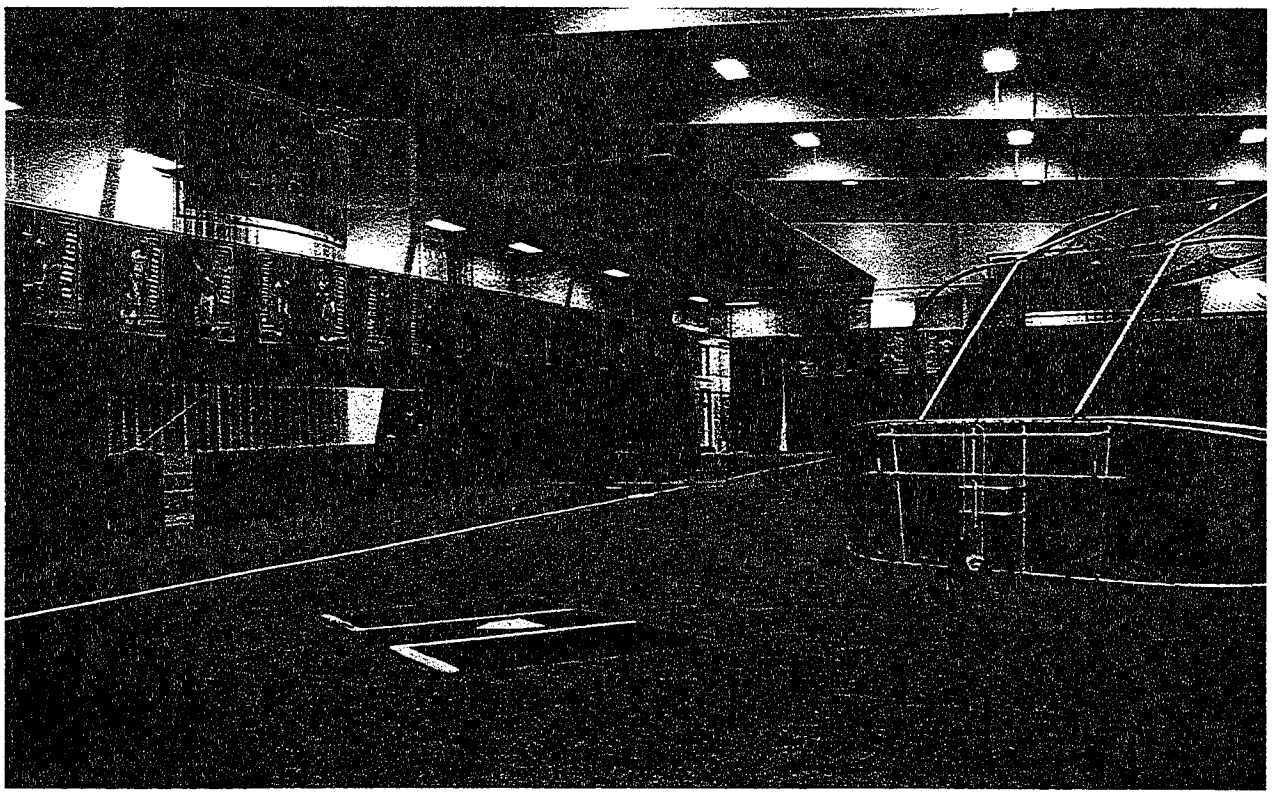
Exterior / Bombardier Learjet Practice Facility





Interior / Bombardier Learjet Practice Facility





Interior / Bombardier Learjet Practice Facility

Advanced Education in General Dentistry Clinic

10-25

Agency: Wichita State University

DA-418B

Date: July 1, 2010

PROJECT REQUEST EXPLANATION

1. Project Title:	2. Project Priority:
Advanced Education In General Dentistry Clinic	

3. Project Description and Justification

The Advanced Education in General Dentistry (AEGD) Program, located within the College of Health Professions at Wichita State University (WSU), will be a one-year post-doctoral education experience (with an optional second year), with major emphasis in clinical general dentistry beyond that received in the pre-doctoral curriculum in dental school. The intent of the program is to provide the education and training needed to develop clinical leaders in general dentistry, including practitioners and educators.

Graduate Medical Education (GME) funding requires that monies pass through an administering hospital. Via Christi Regional Medical Center has joined together with WSU to serve as the hospital base. Other Wichita organizations such as GraceMed Health Clinic, Sedgwick County Children's Clinic and the Robert J. Dole Veteran's Administration Medical Center are also affiliated with the AEGD program at WSU.

The program accepted its first class of dental residents in August 2009, and initially utilizes existing facilities at the GraceMed Health Clinic. As soon as feasible, the program will expand to 10 residents per year and transition into a two-year program. It is proposed to build new AEGD clinic facilities at the WSU Eugene M. Hughes Metropolitan Complex at 29th Street N. and Oliver Street. When completed, first-year residents will train at the WSU clinic, with clinical rotations to GraceMed Health Clinic and the Robert J. Dole Veteran's Administration Medical Center. Second-year residents will rotate to clinical sites throughout the State of Kansas, emphasizing western Kansas sites.

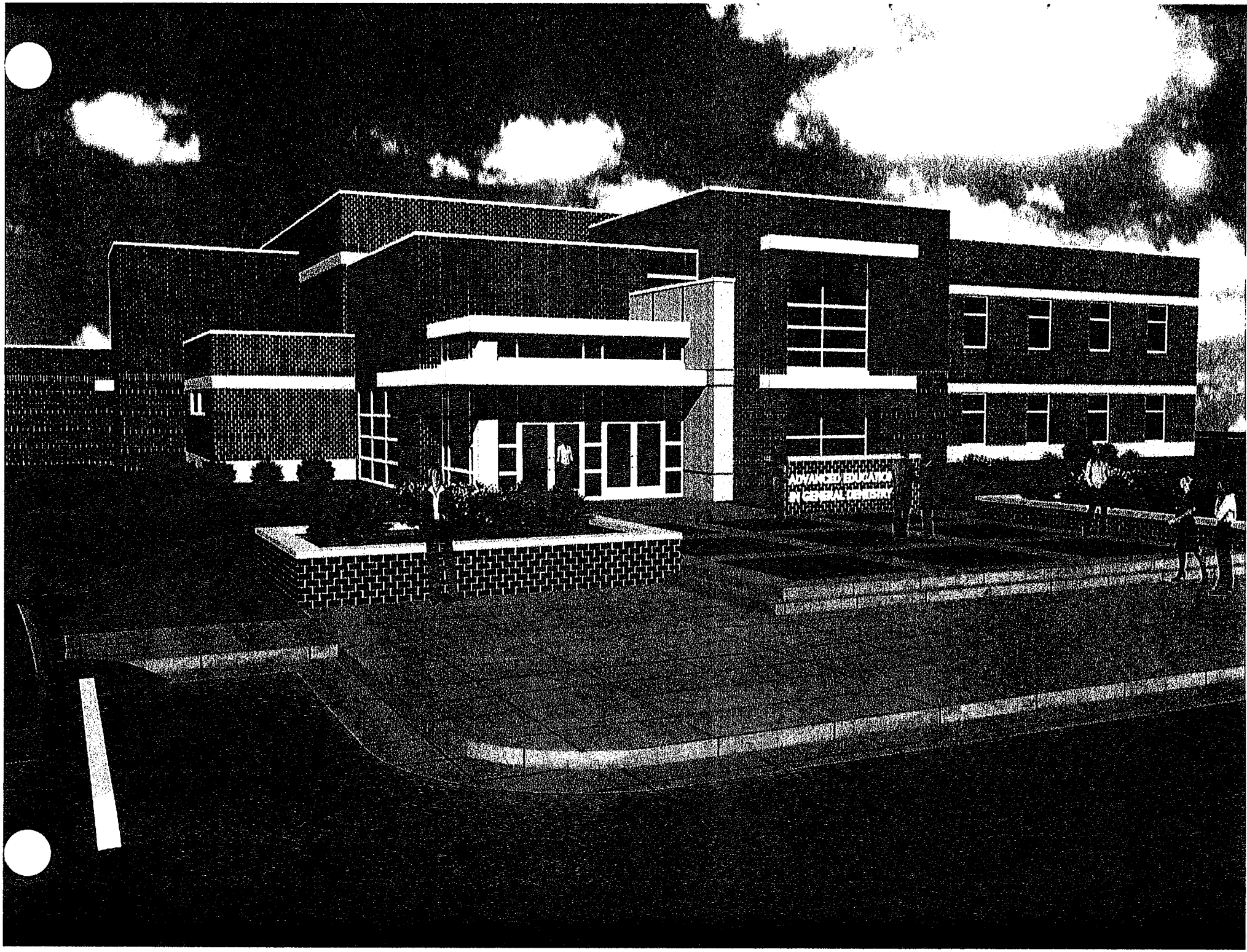
Development of the proposed facilities will occur in phases. The initial phase will include the clinic and office areas, and will be constructed with private funding as a Wichita State University Foundation building project. Future phase(s) would be for a related conference center, and possibly a pediatric dentistry addition. The initial phase has an estimated project budget of $6.4 million.

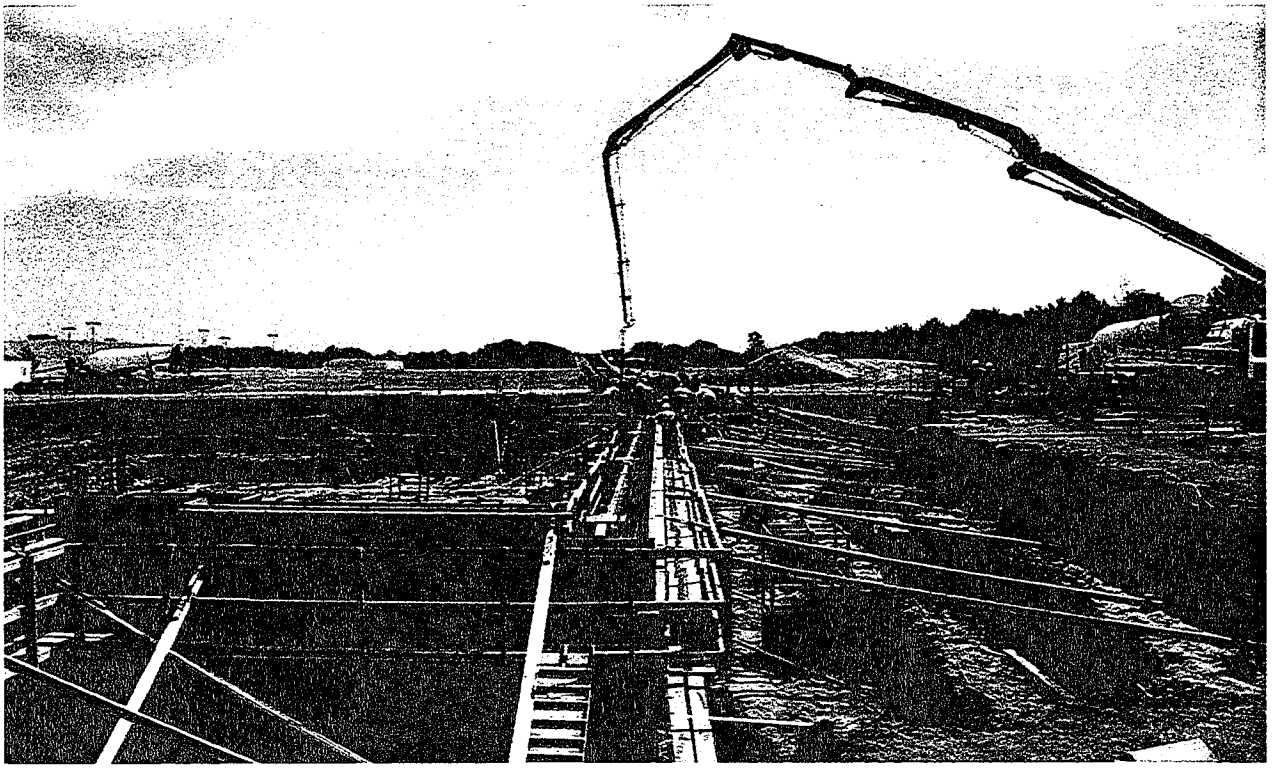
4. Estimated Project Costs:		5. Project Phasing (each category includes related miscellaneous costs):	
A. Construction Costs (including fixed equipment & site work)	5,400,000	A. Preliminary Plans	125,000
B. Design Fees	320,000	B. Final Plans	225,000
C. Project Contingency	400,000	C. Construction Costs	6,050,000
D. Miscellaneous Costs	280,000		
TOTAL	$6,400,000	TOTAL	$6,400,000

6. Amount by Source of Funding:

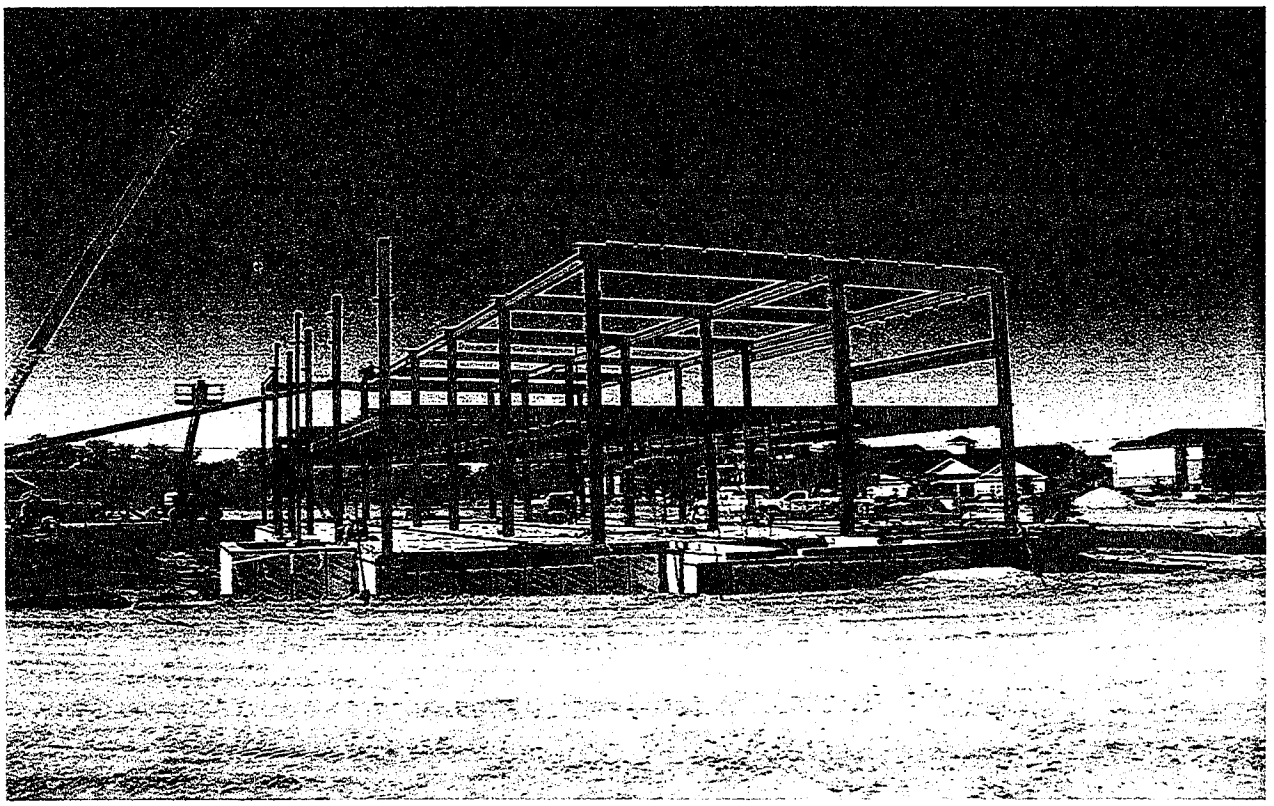
Fiscal Years	State General Fund	Infrastructure Maintenance Program	University Interest Earnings	Private Gifts	User Fees (specify, *i.e.*, Housing, Parking, etc.)	Totals by Year
Prior Years				256,000		256,000
Current Year				5,000,000		5,000,000
FY 2012				1,144,000		1,144,000
FY 2013						
FY 2014						
FY 2015						
FY 2016						
Subsequent Years						
Totals by Funding Source				$6,400,000		$6,400,000

10-26


ADVANCED EDUCATIO
IN GENERAL DENTISTRY



Placement of basement walls on August 20, 2010



Erection of steel and placement of floor slab on October 20, 2010

10-28

Rhatigan Student Center
Expansion and Renovation

10-29

Agency: Wichita State University

DA-418B

Date: July 1, 2010

PROJECT REQUEST EXPLANATION

1. Project Title:	2. Project Priority:
Rhatigan Student Center Expansion and Renovation	

3. Project Description and Justification:

The Rhatigan Student Center (RSC) serves as a venue for food services, the University Bookstore, meeting rooms, recreational facilities, a bank, and lounge space for students to relax or study. It also houses the Student Government Association, Student Activities Council, Christian Ministries, the Center for Student Leadership, and the Shocker Bowling Program.

The building opened in 1959, and a major addition was added on at the south end of the building in 1969. The building has undergone miscellaneous interior remodeling projects over the years, but the building's elevators and mechanical systems are now in need of replacement and/or refurbishing. While the RSC has served the University campus well for the past 50 years, it has become increasingly apparent that many areas of the building need to be upgraded and expanded in an effort to accommodate the needs of students, faculty and staff.

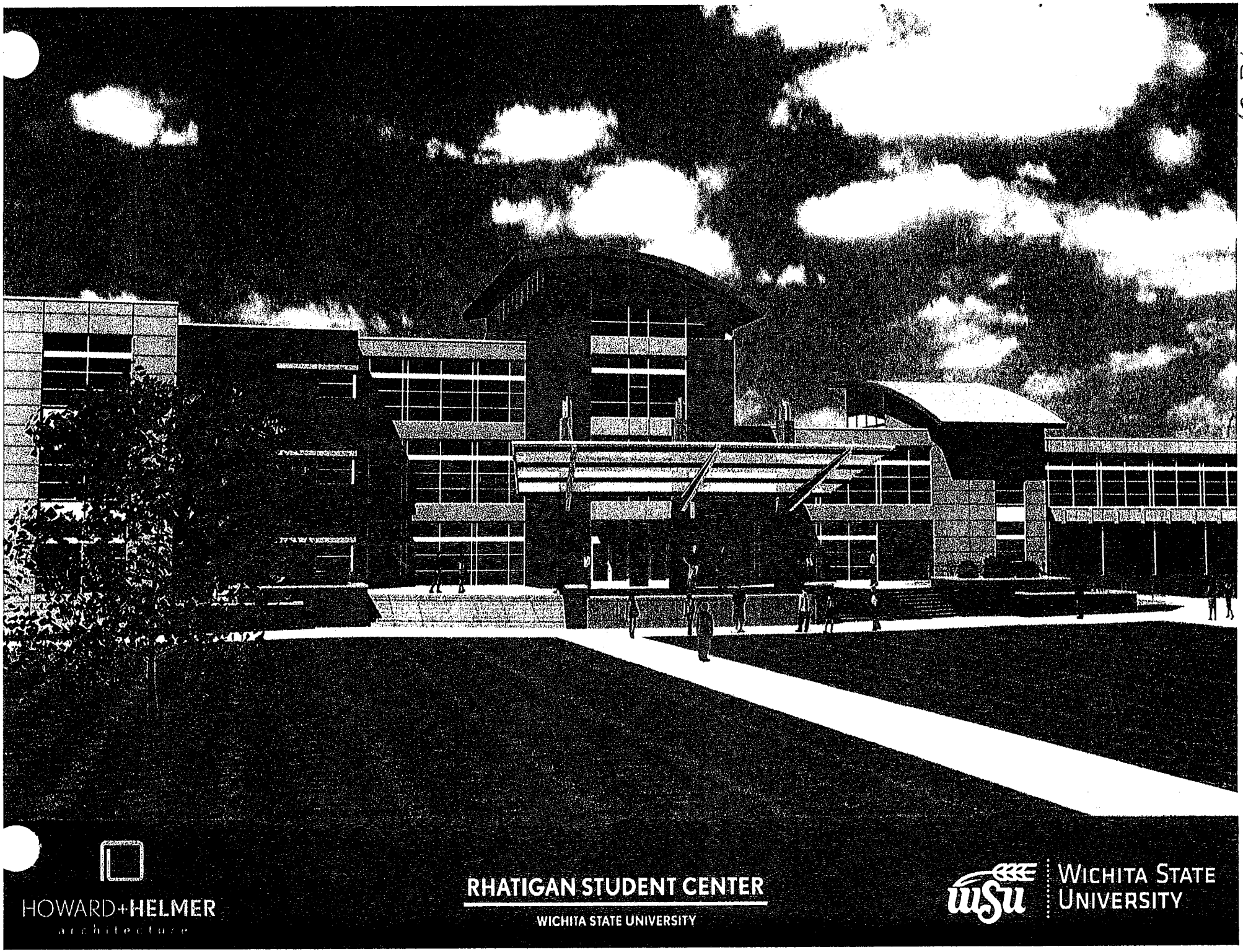
After assessing current needs, the potential for future growth, and an evaluation of existing building conditions and its infrastructure, conceptual plans and cost estimates were developed for a major renovation and expansion to the RSC building. Resulting plans include additions to the building totaling approximately 35,000 square feet, renovation to approximately 80% of the existing building, upgrades to the building's infrastructure, all of which constitute this proposed expansion and renovation project.

4. Estimated Project Costs:		5. Project Phasing (each category includes related miscellaneous costs):	
A. Construction Costs (including fixed equipment & site work)	22,665,000	A. Preliminary Plans	600,000
B. Design Fees	1,587,000	B. Final Plans	1,100,000
C. Project Contingency	1,814,000	C. Construction Costs	26,700,000
D. Miscellaneous Costs	2,334,000		
TOTAL	$28,400,000	TOTAL	$28,400,000

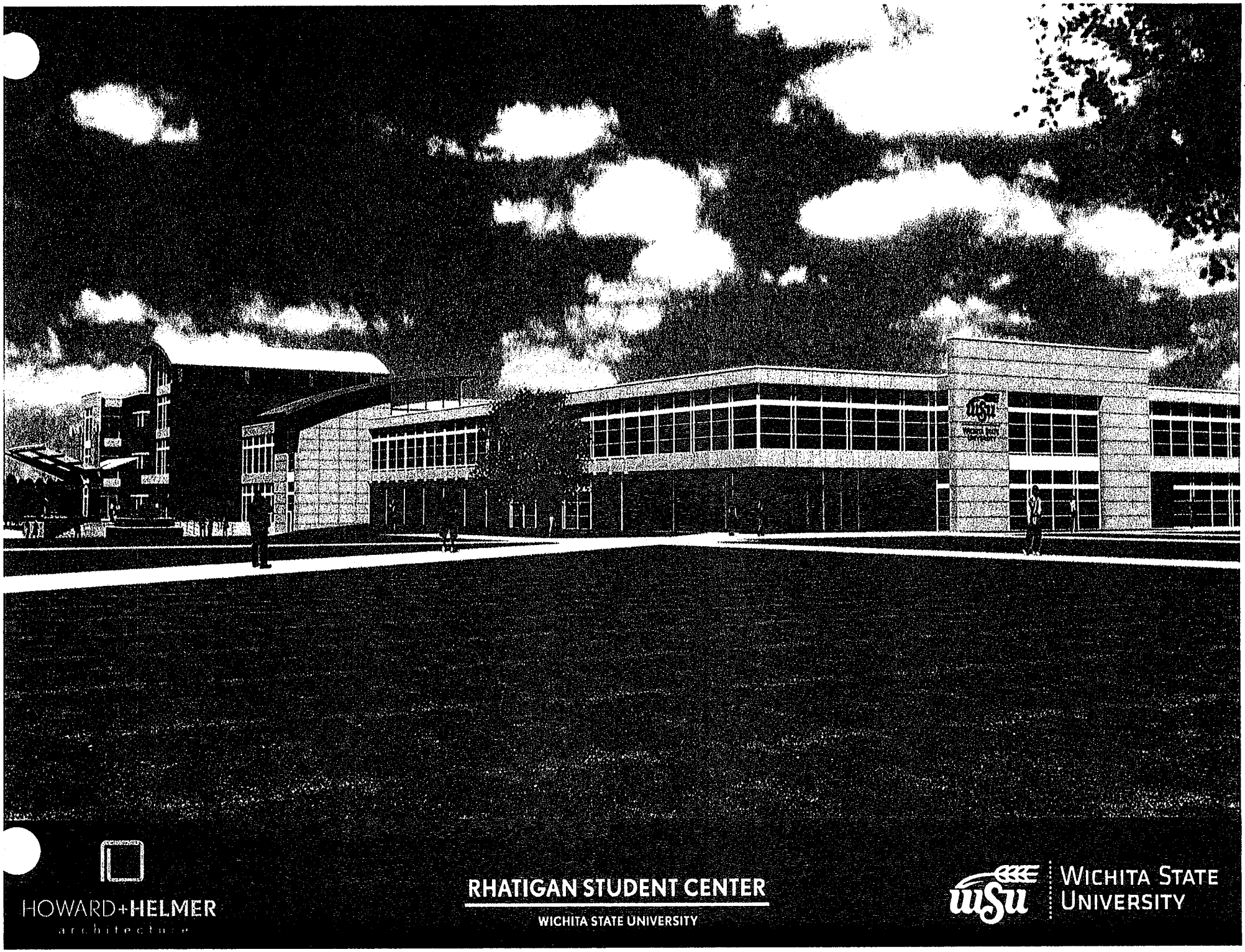
6. Amount by Source of Funding:

Fiscal Years	State General Fund	Infrastructure Maintenance Program	University Interest Earnings	Private Gifts or Federal Grants	Revenue Bonds / Student Fees	Totals by Year
Prior Years						
Current Year					1,365,000	1,365,000
FY 2012					15,000,000	15,000,000
FY 2013					12,035,000	12,035,000
FY 2014						
FY 2015						
FY 2016						
Subsequent Years						
Totals by Funding Source					$28,400,000	$28,400,000

10-30

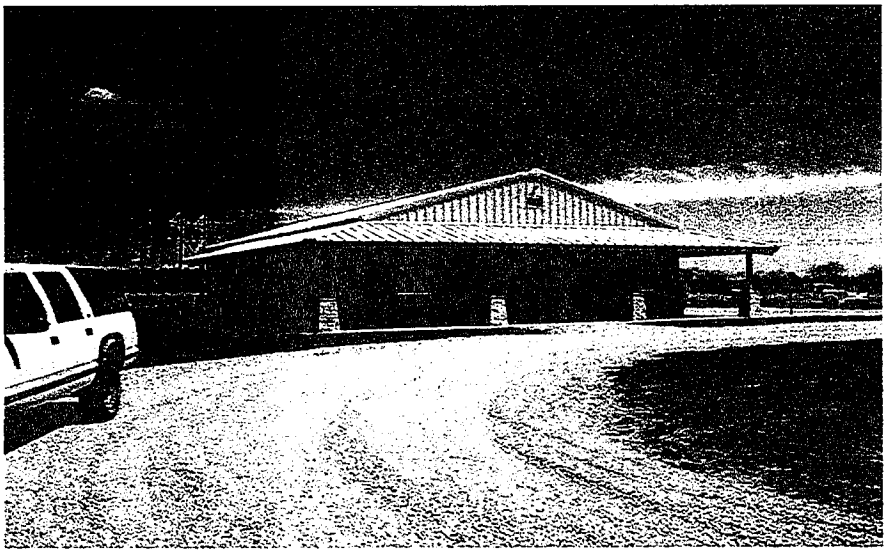

HOWARD+HELMER
architecture
RHATIGAN STUDENT CENTER
WICHITA STATE UNIVERSITY
WSU
WICHITA STATE UNIVERSITY

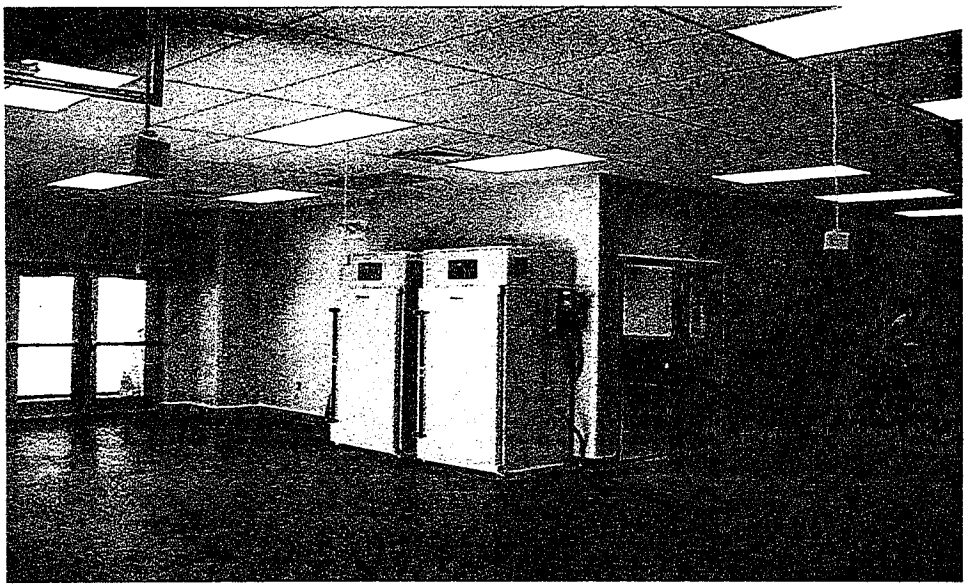
10-31

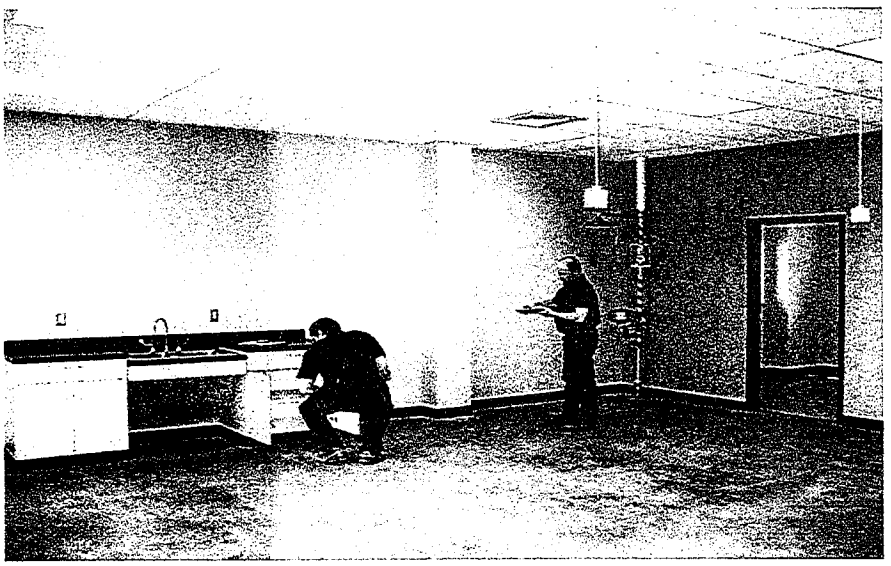

HOWARD+HELMER
architecture
RHATIGAN STUDENT CENTER
WICHITA STATE UNIVERSITY
WICHITA STATE UNIVERSITY

Recently Completed Project

Ninnescah Biological Research Facility







10-24

PROGRAM / PROJECT SCOPE

BIOLOGICAL SCIENCES

COMBINED CORE FACILITY RENOVATION PROJECT

HUBBARD HALL - FOURTH FLOOR

WIICHITA STATE UNIVERSITY

March, 2010

WICHITA STATE UNIVERSITY

Attachment 11
ICSBC 11-10-10

OVERVIEW / PURPOSE OF PROJECT

The **Combined Core Facility Renovation Project** involves significant upgrade to Wichita State University's Department of Biological Sciences Core research laboratories on the fourth floor of Hubbard Hall. The labs comprising the Core were established as separate core laboratories 20 years ago made possible by a Wesley Foundation grant. They have recently been reinvigorated and reorganized through the award of a 5-year National Institute of Health (NIH) PO1 Program research project entitled "The Aging Pituitary/Gonadal Axis". This multi-investigator, multi-institutional program project is centered at the University with Dr. George Bousfield as its PI and is focused upon the age-related changes in the expression of human FSH glycoforms and the differential biochemical and physiological properties manifest by these changes. Within the PO1, three Core Lab functions are consolidated. These three functions include protein expression, protein purification and characterization, and protein functional analysis, which involve three fundamental disciplines, molecular biology, protein chemistry, and cell culture. These labs thus form the basis of the Molecular, Protein and Cell Culture Cores. In addition, a departmental 'common equipment room' housing many instruments utilized in the PO1 Project has been re-designated as the Equipment Core. These four Core Labs have been organized functionally and administratively into the **Combined Core Facility.** This facility now has defined organizational structure with an overall Core Facility Leader and individual Core Lab Leaders supported in part by the PO1 research grant. The research grant represents the initial step toward the long-term goal of WSU scientists to establish a Center for Reproductive Aging (WSU CFRA).

Central to efficient and successful progress of the research project, and the development of the proposed Center, is the renovation of the Core Facility and the upgrading of the Core Facility equipment. The Core Facility is housed in the Department of Biological Sciences on the fourth floor of Hubbard Hall. Built in 1973, Hubbard Hall has seen neither major additions nor major renovations to the labs. Moreover, the labs were designed to meet the needs of undergraduate teaching labs, not research. The current Core Facility has numerous

deficiencies that impact the ability to carry out efficient work, and impair the ability of the Facility to support proposed increases in research activities. Deficiencies include: the poor condition of laboratory benches, cabinets, and sinks, lack of wireless internet access, inefficient placement of power plugs, lack of emergency power for key pieces of equipment, inefficient lab space configuration, lack of eyewash/shower stations, inappropriate fume hoods, and inconsistent ADA compliance. Additional deficiencies reflect key Core Facility equipment which is uniformly 10 – 20 years old. The goal of this project is to remedy the above deficiencies through renovation of 23 areas comprising the Combined Core Facility, and re-equipping the labs.

The proposed renovation project will provide immense benefit that will: (a) ensure success of ongoing projects involved with the current research grant; (b) provide evidence of scientific commitment for anticipated renewal of the research grant in 2014; (c) provide a basis for expanded research efforts in terms of new grant applications that directly relate to the existing research; (d) provide continued and expanded support for current laboratory-based scientists both within the department and those affiliated with the department; and, (e) provide support for the recruitment of new faculty into the department, some of whom will have research interests consistent with the focus of the current PO1 research grant and program. The current PO1 grant from NIH represents the ***largest investigator-initiated grant ever awarded to a WSU faculty member.*** This renovation project is intended to ensure success and completion of the PO1 goals, and to facilitate expansion of research activities within the Department of Biological Sciences at Wichita State University.

DESIGN CONSIDERATIONS

The table below describes the nature and extent of renovation to each of the 23 rooms comprising the Combined Core Facility.

Room Number	Core Lab	Function	Sq.Ft.	Proposed Alteration/Renovation
413	Molecular	Associate Office	240	Replace and rework casework, increase Ethernet connections, increase telephone lines
414	Molecular	Preparative Lab	347	Replace all casework and plumbing
415	Molecular	Preparative Lab	777	Replace and rework casework, install ADA compliant sink, increase Ethernet connections; install eyewash/shower unit; install fume hood with under-hood storage, place select 125V and 250V service on emergency power
416	Molecular	Storage	85	Remove sink and replace casework with supply storage cabinetry, reconfigure 125V service
417	Molecular	Analytical Lab	330	Replace old casework, install new island work benches, increase Ethernet connections, reconfigure vacuum and water service,
418	Molecular	Office	104	Increase Ethernet connections, increase 125V service
424	Equipment	Common Use Equipment	401	Replace casework, remove old cold room, reconfigure 125V and 250V service, install eyewash/shower unit, install radioactive-grade fume hood, put select 125V & 250V outlets on emergency power
425	Equipment	Core 4°C Cold Room	136	Install new larger modular Cold Room with window, install stainless steel work bench with sink, install storage shelves, install support grid for column chromatography, install two 10-plug 125V powerstrips
426	Protein	Analytical Lab	685	Replace casework with ADA-compliant area, modify center work bench to have ADA-compliant sink, reconfigure main lab sink, increase Ethernet connections, install eyewash/shower unit, put select 125V & 250V outlets on emergency power,
427	Protein	Office/Wire-less Remote	112	Increase 125V service, increase Ethernet connections
428	Protein	Experimental Lab	404	Replace casework, remove internal walls to expand lab and office space, remove old darkroom no longer used, install radioactive-compatible hood with under-hood radioiosotope storage, install eyewash/shower station, install ADA-compliant sink, put select 125V & 250V outlets on emergency power
428A	Protein	Associate's Office	179	Expand wall into former darkroom to increase size, increase 125V service, increase Ethernet connections
428B	Protein	Balance/ Server Room	39	Replace and reconfigure casework, increase Ethernet connections, increase 125V service, make entrance ADA compliant
429	Protein	Analytical Lab	202	Increase Ethernet connections, 125V plugs to emergency power

430	Protein		58	Replace casework, reverse door, install UltraPure water system, make entrance ADA-compliant
431	Protein	Experimental Lab	786	Replace casework, make ADA compliant sink, increase Ethernet connections, 125V & 250V outlets on emergency power, install eyewash/shower station, install chemical hood with under-hood storage
432	Protein	Office	116	Increase Ethernet connections
433	Protein	Preparative Lab	85	125V & 250V on emergency power
434	Cell Culture	Culture Room 2	152	Replace casework, install ADA-compliant sink w eyewash, 125V & 250 outlets on emergency power, add Ethernet line
435	Cell Culture	Analytical Room	80	Replace casework, increase 125V service, add Ethernet line
436	Cell Culture	Office	94	Increase 125V service
437	Cell Culture	Preparative Lab	690	Remove room and entry way walls to increase lab size, replace and expand casework including ADA-compliant areas, make new lab bench with two-way, see-through cabinets, reconfigure sinks, install new UltraPure water system, install eyewash/shower station, relocate 250V lines, put select 125V and 250V outlets on emergency power
438	Cell Culture	Culture Room 1	224	Replace casework, install storage cabinets, remove unnecessary utilities, move 250V line, place incubator 125V outlets on emergency power
All Core Rooms	Entire Core Facility			Install new seamless, moisture resistant flooring, install new energy-efficient ceiling lights with regional segregation and control, install task lighting under cabinets on all new island work benches, install new adjustable window blinds, relocate fire extinguishers, repaint walls, install wireless remote internet access

Within individual Core Labs, fixed equipment such as casework, hoods, shelves, sinks, eyewash/shower units, is indicated in detail in the Line Drawings. Most all of the scientific equipment requested replaces existing non-functional or otherwise aged equipment. Accordingly, replacement equipment will occupy current locations, which fit well within individual Core Lab space. Accordingly, the location of moveable scientific equipment is not shown on the line drawings.

Engineering Criteria

Existing HVAC System Summary: The existing mechanical system consists of a central variable-air volume supply system, and a central variable-air volume exhaust system. The existing laboratory spaces are once-through, with no return air. The existing Phoenix laboratory air controls vary the fume hood exhaust rate, general exhaust rate and supply air rate based on fume hood sash position and space thermostat signal to maintain a set airflow offset. Original design airflow, space airflow offset, and ach/hr for the existing spaces containing fume hoods are as follows. Some values may need to be revised slightly for the proposed modified spaces.

Lab.No	Name	Max. Exhaust CFM	Min. Exhaust CFM	Max. Supply CFM	Min. Supply CFM	Offset CFM	Max. ach/hr	Min. ach/hr
415	Molecular Lab	1,360	525	1,210	535	-150	10.6	4.1
424	Equipment Lab	1,470	685	1,320	535	-150	11.0	5.1
428	Protein Lab	910	400	760	250	-150	20.8	9.2
431	Protein Lab	1,955	820	1,805	670	-150	17.4	7.3
437	Cell Culture Lab	1,490	685	1,340	535	-150	18.1	8.3

Note: Air-change per hour calculations are based on a 9'-4"ceiling height.

Proposed HVAC System Modifications: In general, the intent is to leave the existing HVAC systems in place, making modifications as required for the proposed architectural and fume hood modifications. It is the intent to re-connect the new fume hoods in Rooms 415, 438 and 431 to the existing common exhaust manifold, based on the assumption that the new hoods are the same size as the existing units. It is also the intent to re-use the existing laboratory air controls in the spaces. In Rooms 424 and 428, however, the new hoods are indicated to be radioisotope fume hoods. The existing hoods in these locations are currently connected to the common exhaust system. Due to radioisotope use, these hoods will be removed from the existing exhaust manifold. New separate exhaust ducts, with new laboratory exhaust fans on the roof, will be provided to provide proper separation of these hoods from the general use hoods. This will require above-ceiling work and the creation of a new duct chase through the 5th floor. The existing variable volume laboratory exhaust valves and room-level laboratory control will be re-used. New controls for the new exhaust fans will be required. No additional HVAC upgrades are planned. It is assumed there are no significant additional heat gains being added to the space.

Existing Plumbing System Summary: In general, the plumbing systems in Hubbard Hall are original to the 1973 building construction. The following plumbing utilities are existing to the building: domestic cold water, domestic hot water, compressed air, vacuum, natural gas, distilled water, sanitary sewer, and acid waste.

Proposed Plumbing System Modifications: Existing plumbing services are considered to be adequate and will be extended and modified as required to serve new sinks, eyewashes, emergency showers, gases, and waste and venting. This will require work above both the 3rd and 4th floor ceilings. There are concerns with the existing domestic water recirculation system, but correction of this existing condition is to be addressed separately from this project, and is not part of this work. No additional plumbing upgrades are planned.

Existing Electrical System Summary: The existing electrical system is served by a utility company-based, pad-mounted transformer. The main switchboard in the basement is rated at 277/480 volts, 3 phase, 4-wire. Power for large mechanical loads and lighting is served at 277/480 volts while 120/208 volt loads are served by step down transformers on each floor. The step down transformer for the fourth floor is 225KVA. Each lab is served by a dedicated 120/208 volt panel. A 100KW, 277/480 volt, 3 phase, 4-wire diesel generator serves emergency lighting and other life safety loads. The existing prismatic light fixtures were installed as part of a 1995 remodel. The lamps were changed to energy saving type in a 2006 energy retrofit project.

Proposed Electrical System Modifications: Currently, there are a number of electrical cord drops located in various lab spaces. These will be relocated to the walls and additional outlets provided as required. The existing receptacles and branch circuit circuiting will be revised as required for the remodel of each lab and for the loads served. Additional branch circuit capacity has been requested for each lab. The ability to provide additional capacity will be reviewed during design, but additional space on the fourth floor will be required for distribution equipment since the existing electrical room has no space for the installation of additional equipment. Backup generator power has been requested for specific items of equipment. The existing generator does not have sufficient spare capacity for the estimated new loads (approximately 112.5KVA), so the existing generator will need to be replaced and increased in size. A second automatic transfer switch will need

to be provided to serve these equipment loads since code does not allow for life-safety and non-life safety loads to share the same transfer switch. Space will need to be found for the additional distribution equipment required, both in the basement and on the fourth floor. A chase will also be required for routing conduits up to the fourth floor. Conduit and box rough-ins will be provided for telephone and data outlets and will be located as required. Telephone and data wiring will be provided and installed by the owner. Since the existing ceilings are being removed and replaced due to the remodel, the existing prismatic type light fixtures will be replaced with energy efficient volumetric type light fixtures. Under cabinet lighting will be added at new islands that have overhead cabinets. Automatic lighting controls will be added to non-lab spaces where they do not already exist.

Architectural Criteria

Existing Architectural Summary: The existing laboratory spaces were designed as teaching labs and not specifically configured as a research lab. The existing casework shows significant wear and tear, does not offer appropriate workspace or storage space, and does not meet current ADA guidelines. The existing floor finishes are worn and not conducive to a sterile environment required for research. The ceiling tile is discolored and needs to be replaced. Demolition drawings have been included to show the extent of the removal of walls and casework, along with the removal and relocation of some doors.

Proposed Architectural Modifications: The existing room layouts are conducive to the needs of the research lab with the exception of the casework and a few areas where walls need to be removed to allow for additional space. New laboratory casework will ensure the research staff has the appropriate workspace necessary to function efficiently. The new casework will provide the required storage space, new lab countertops, under counter task lighting, and configurations that will be appropriate for research. The new laboratory casework will incorporate minimum ADA requirements, including but not limited to the sink areas. Clear floor space and 5' turning radiuses are also integrated into the new layout. The existing finishes are outdated and need to be refreshed and modernized to create a more appealing work environment. Sheet vinyl flooring with integral base will ensure ease of sanitization, required in the research environment. New ceiling tiles and fresh paint on all new and existing walls will brighten the space and provide a fresh, clean appearance. Several doors will be reconfigured to provide adequate ADA clearances to meet the minimum code requirements; all other doors will remain unchanged. New window mini blinds will allow for plenty of natural lighting, yet allow the research staff to control the light levels as desired. Architectural line drawings have been included to show the extent of the new work along with the location of the new casework. These drawings also indicate the net and gross square footage of the existing and new spaces. Access to the spaces, dimensions and the location of fixed equipment has also been shown on the plans.

In summary, the following modifications are recommended:
(1) Remove various walls
(2) Replace all casework
(3) Replace current flooring with sheet vinyl flooring
(4) Replace ceiling tile
(5) Paint all new and existing walls
(6) Reconfigure various doors per ADA requirement
(7) Install new window mini blinds

CONCEPTUAL FLOOR PLANS

On the following pages are copies of conceptual floor plans delineating the spaces on the fourth floor of Hubbard Hall that are involved in the renovation of the Combined Core Facility. These plans include:

1. Fourth floor / overall floor plan. Un-shaded area delineates the space included within the Combined Core Facility.

2. Molecular Core demolition plan.

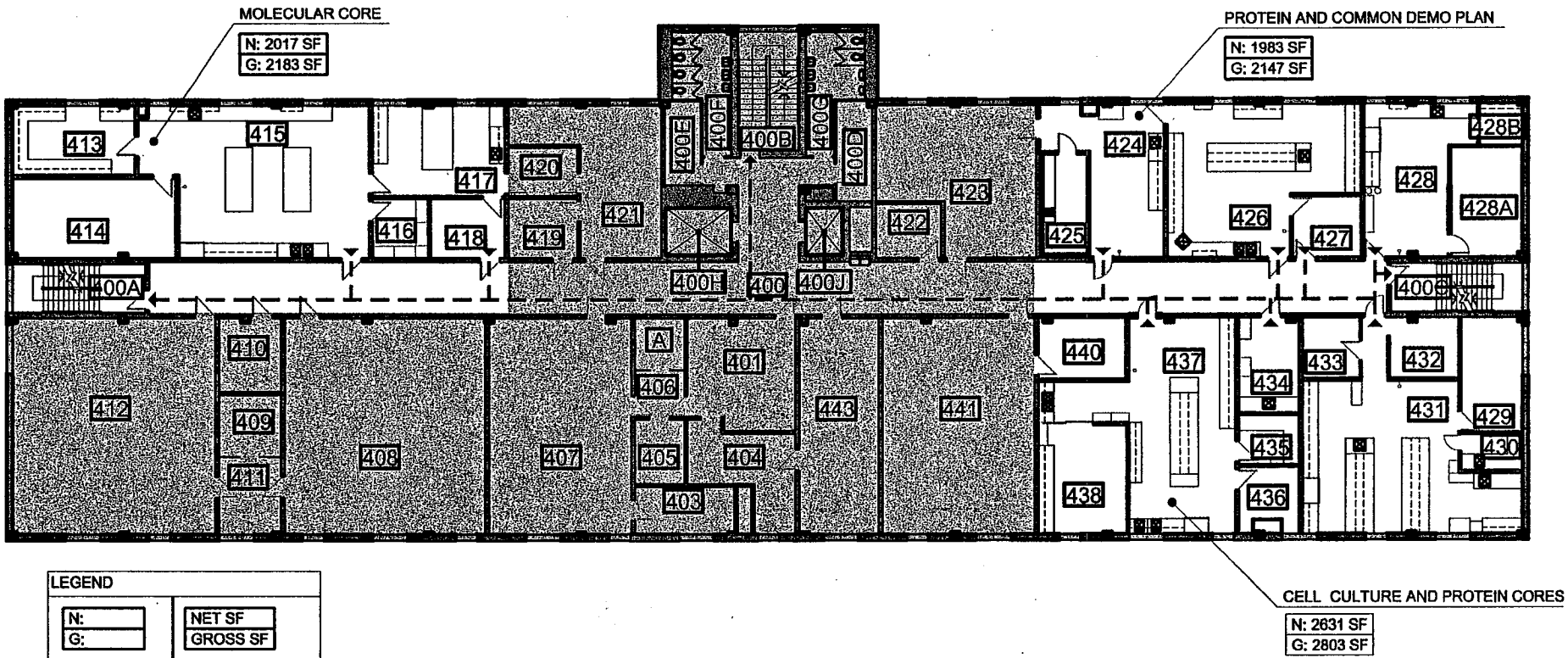
3. Proposed renovation floor plan for Molecular Core.

4. Protein Core and Common Equipment Lab demolition plan.

5. Proposed renovation floor plan for Protein Core and Common Equipment Lab.

6. Cell Culture and Protein Cores demolition plan.

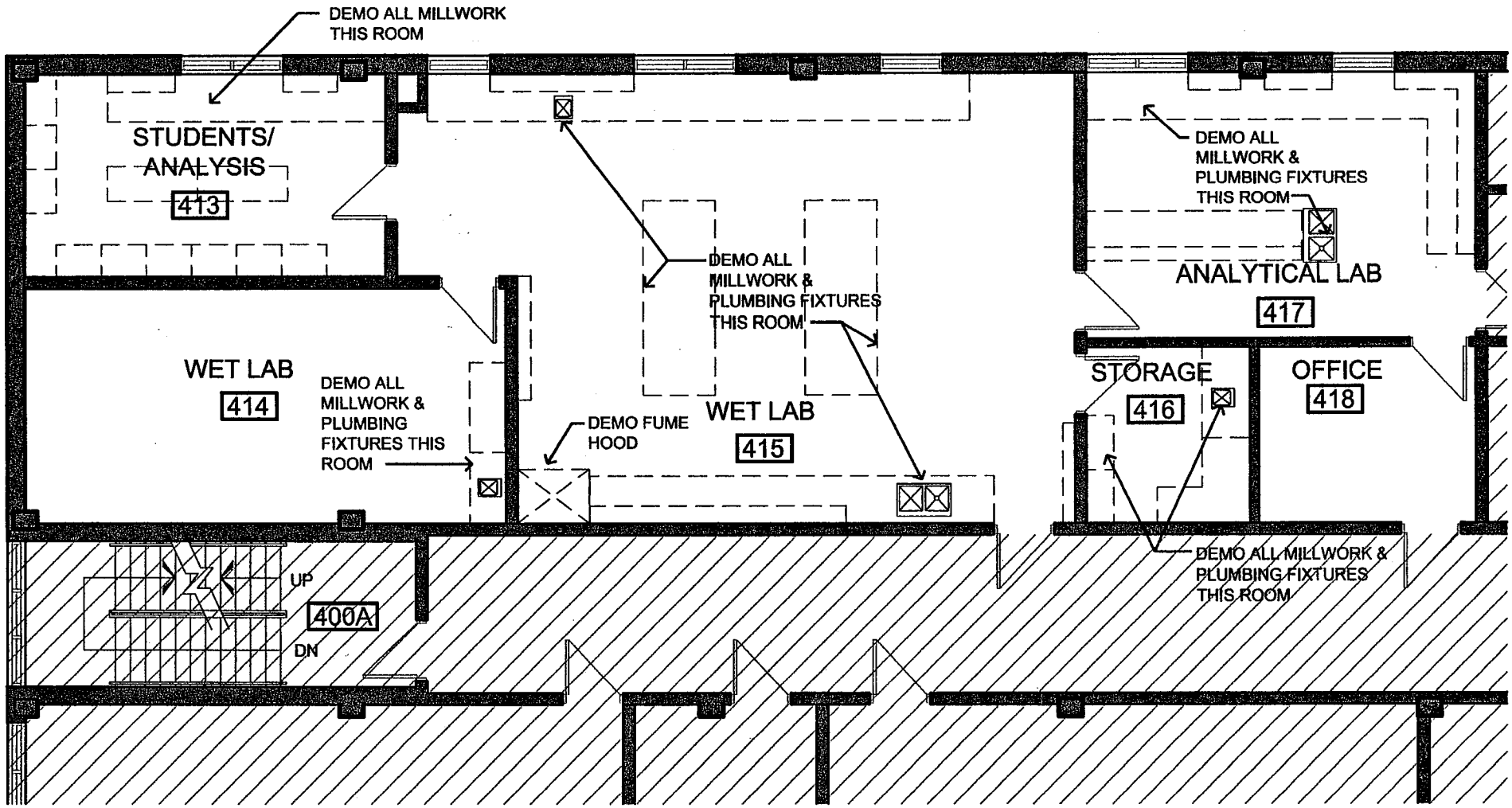
7. Proposed renovation floor plan for Cell Culture and Protein Cores.



LEGEND

N: / G:	NET SF / GROSS SF
← – –	BUILDING EXIT
▼	ROOM EXIT

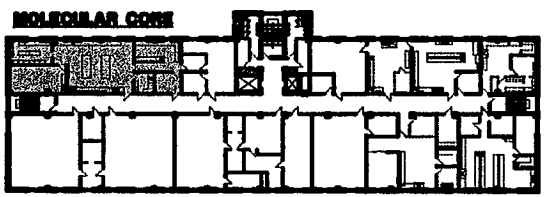
① HUBBARD HALL- 4TH FLOOR



11-10

① MOLECULAR CORE DEMO PLAN

1/8"=1'-0"



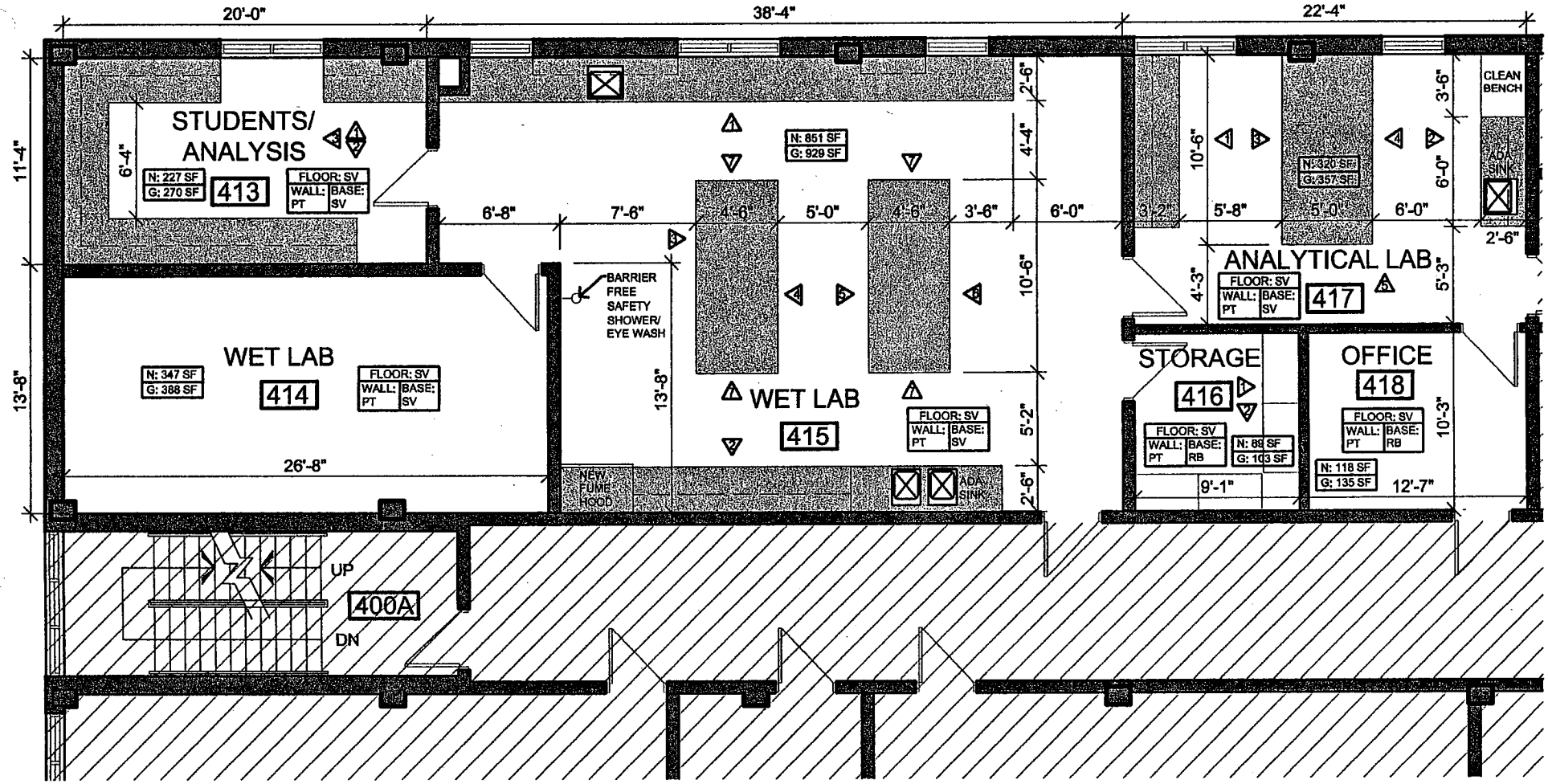
① KEYPLAN

INDICATES EXISTING DOOR TO REMAIN

ALL ITEMS INDICATED WITH A DASHED LINE TO BE REMOVED AS PART OF THIS PROJECT

SOLID HATCHED ITEMS ARE TO REMAIN; PATCH & REPAIR AS REQUIRED, MATCH EXISTING ADJACENT MATERIALS

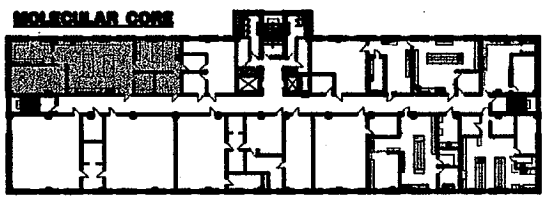
NOTE: ALL FLOORING & CEILING FINISH IN ALL PROJECT AREAS TO BE REMOVED AS PART OF THIS PROJECT



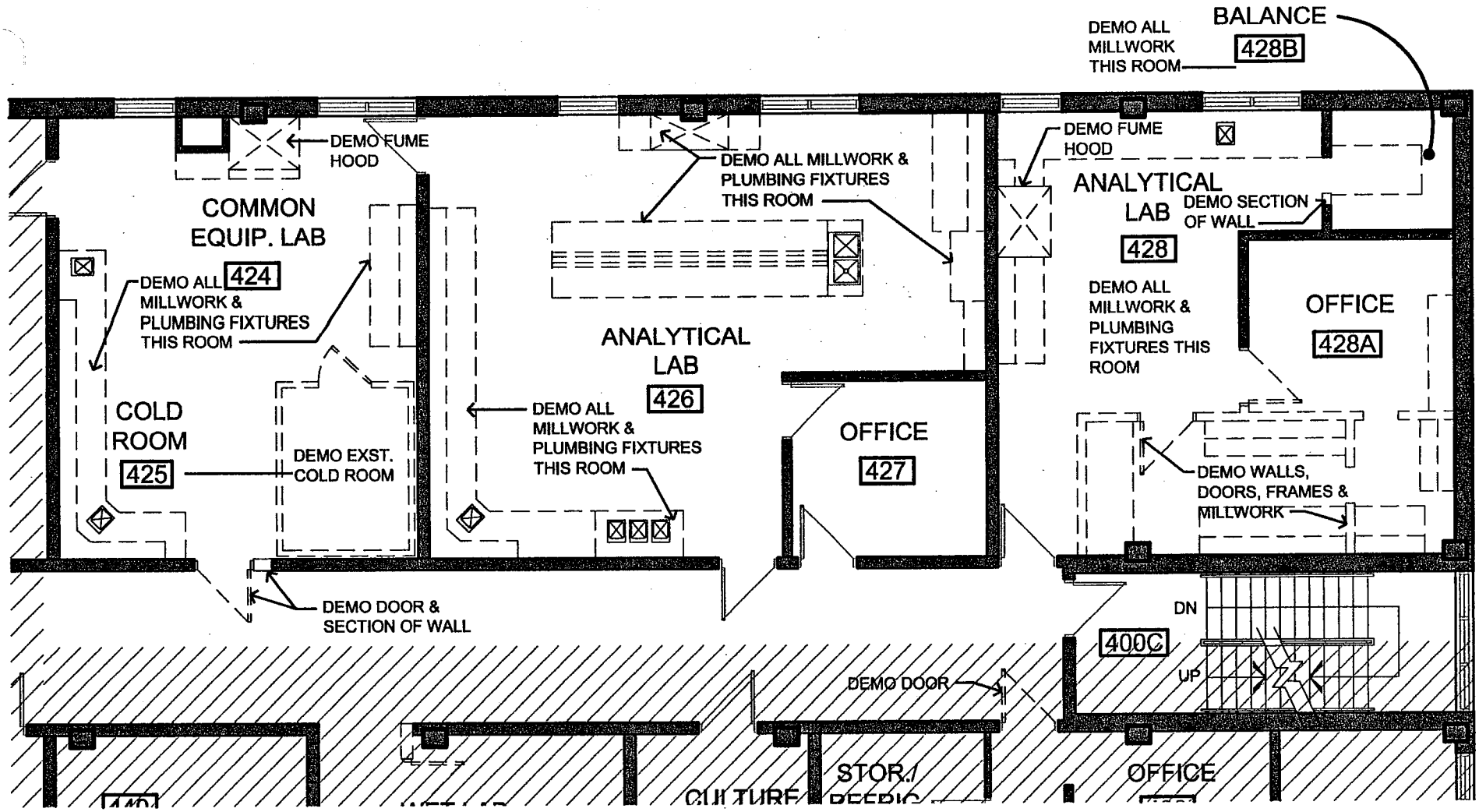
① MOLECULAR CORE PROPOSED FLOOR PLAN

1/8"=1'-0"

N: G: = NET SF / GROSS SF

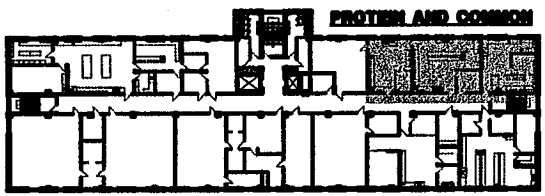


① KEYPLAN



① PROTEIN AND COMMON DEMO PLAN

1/8"=1'-0"



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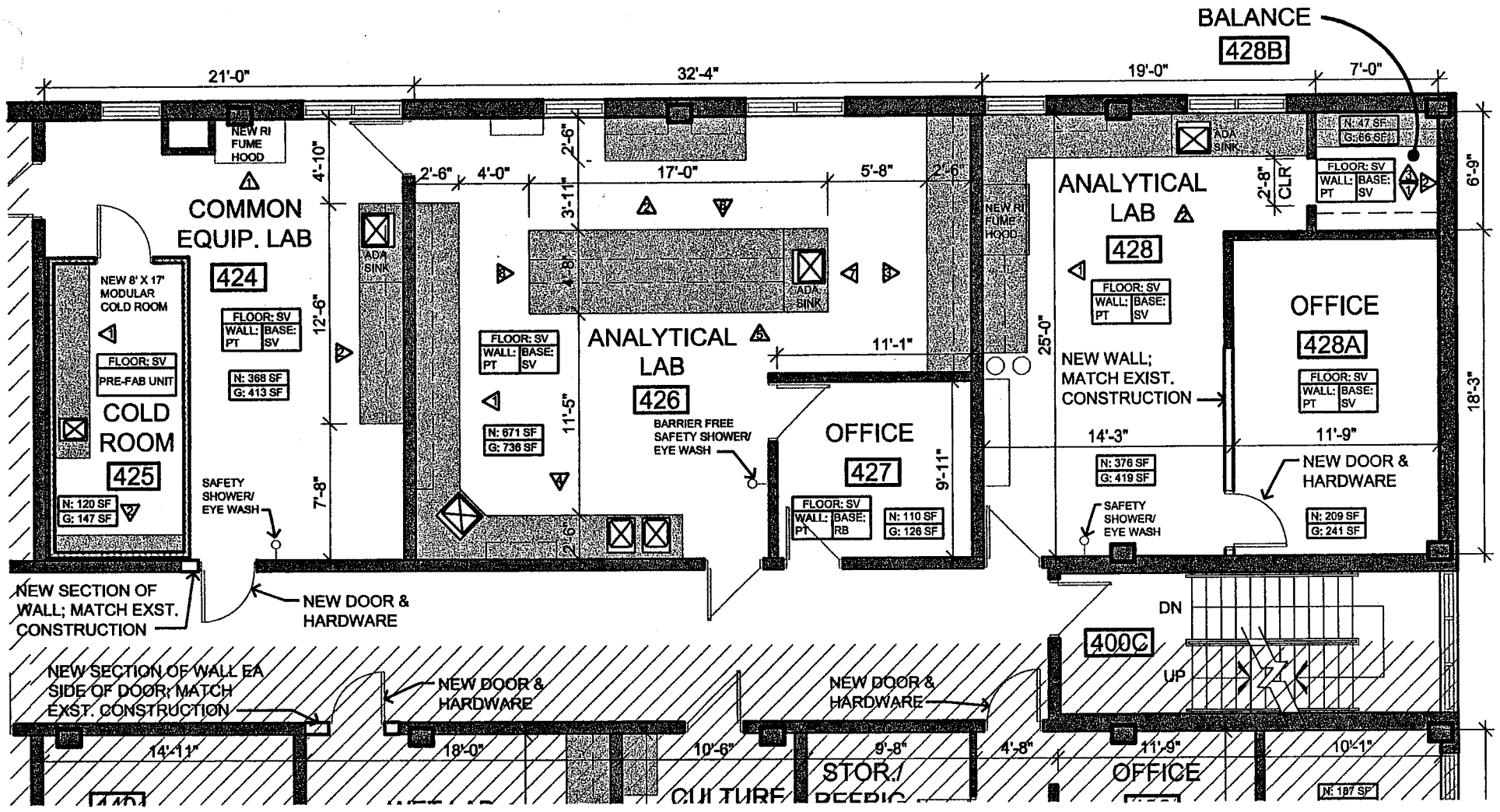
NOTE: ALL FLOORING & CEILING FINISH IN ALL PROJECT AREAS TO BE REMOVED AS PART OF THIS PROJECT

SOLID HATCHED ITEMS ARE TO REMAIN; PATCH & REPAIR AS REQUIRED, MATCH EXISTING ADJACENT MATERIALS

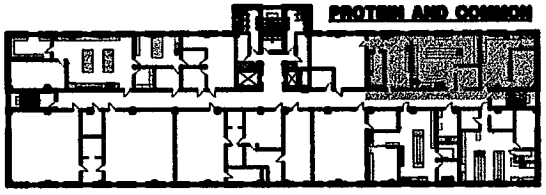
11-12



① PROTEIN AND COMMON PROPOSED FLOOR PLAN

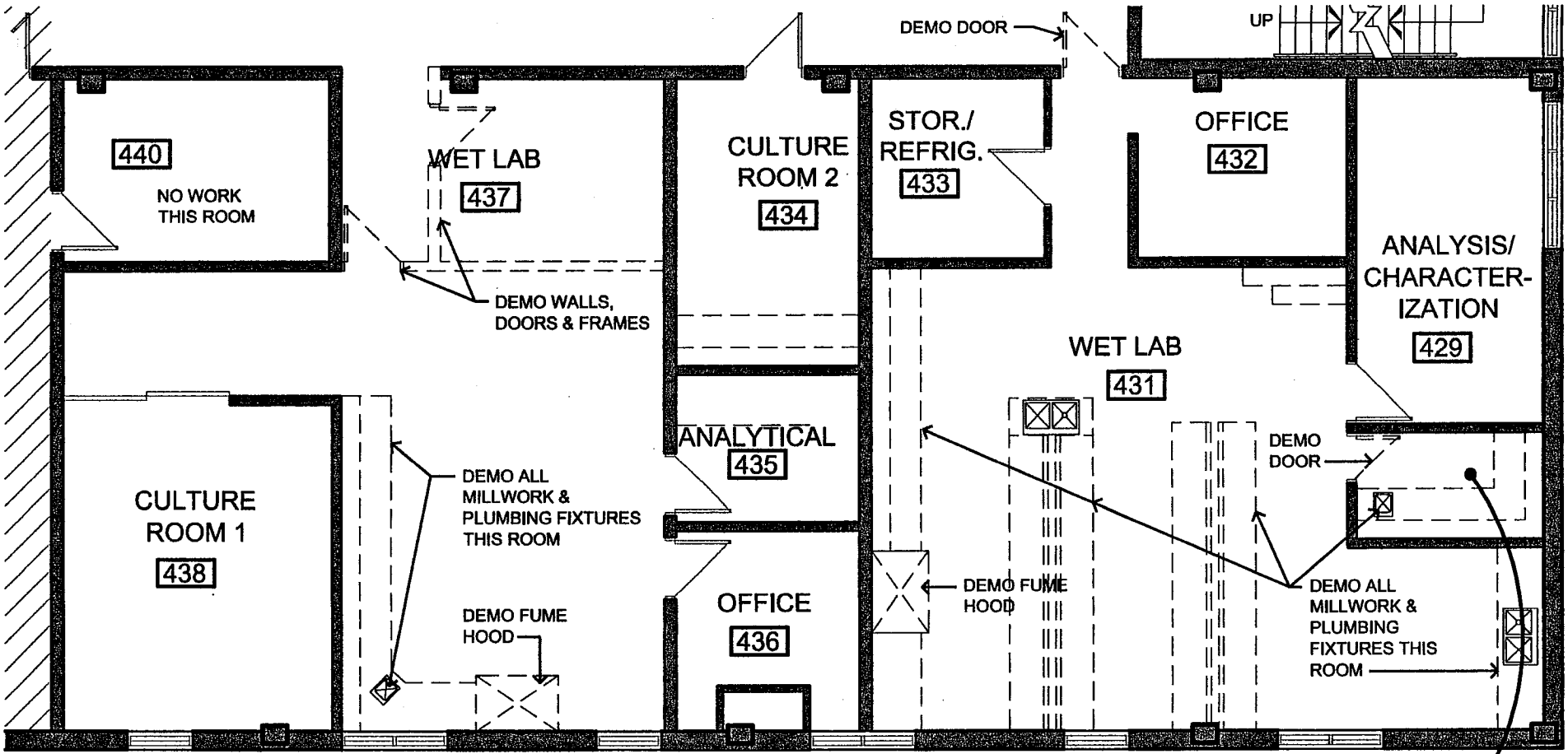
1/8"=1'-0"

N: G: = NET SF / GROSS SF



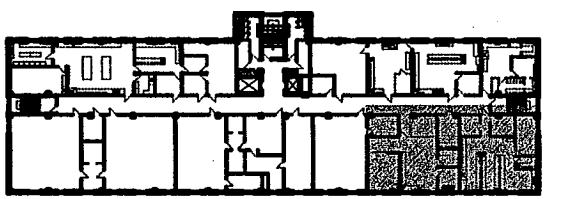
① KEYPLAN

11-13



① CELL CULTURE AND PROTEIN CORES DEMO PLAN

1/8"=1'-0"



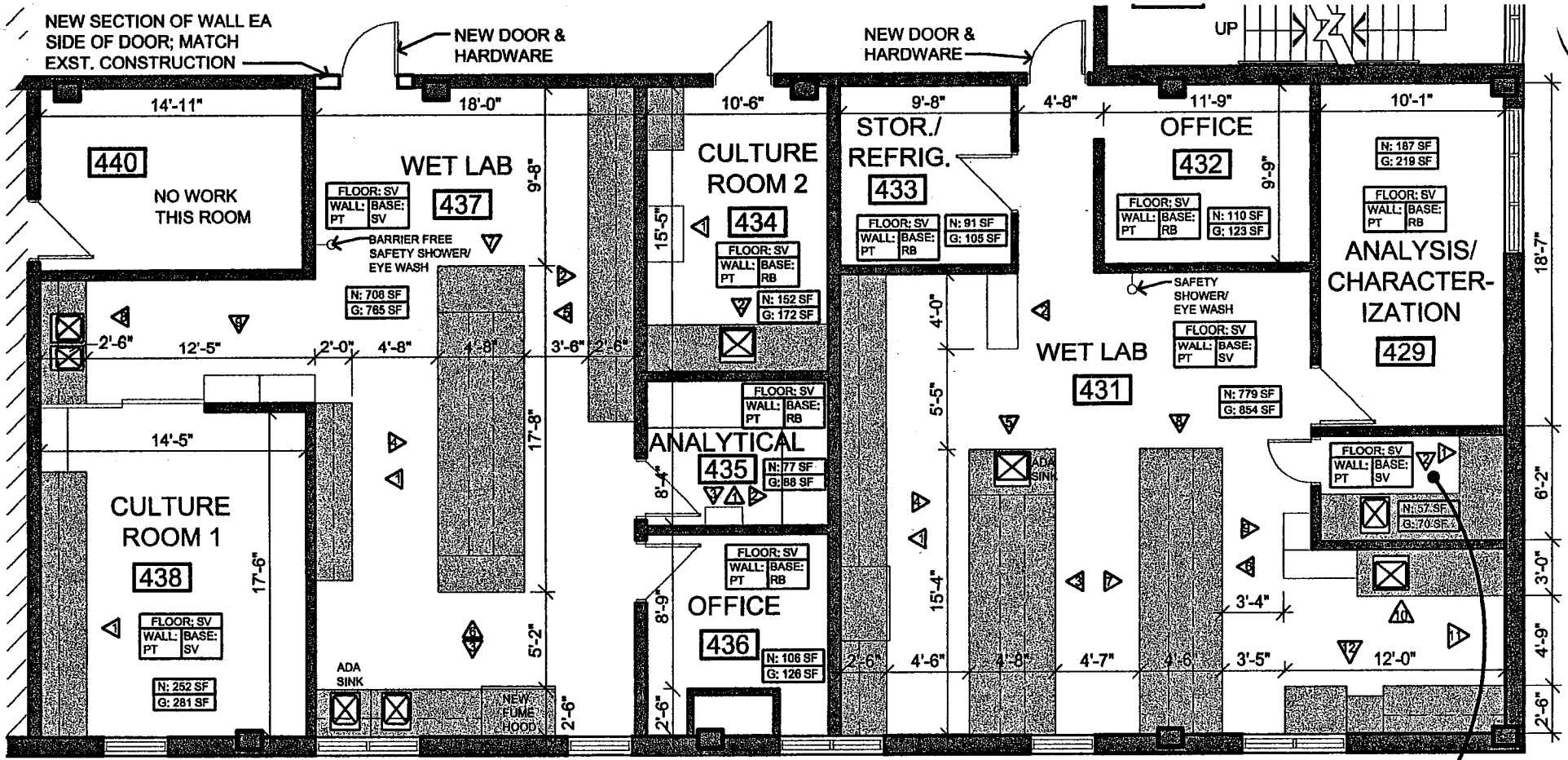
① KEYPLAN — CELL CULTURE & PROTEIN CORES

INDICATES EXISTING DOOR TO REMAIN

ALL ITEMS INDICATED WITH A DASHED LINE TO BE REMOVED AS PART OF THIS PROJECT

NOTE: ALL FLOORING & CEILING FINISH IN ALL PROJECT AREAS TO BE REMOVED AS PART OF THIS PROJECT

SOLID HATCHED ITEMS ARE TO REMAIN; PATCH & REPAIR AS REQUIRED, MATCH EXISTING ADJACENT MATERIALS

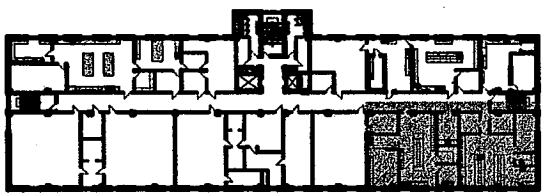


① CELL CULTURE AND PROTEIN CORES PROPOSED FLOOR PLAN

1/8"=1'-0"

PURIFIED WATER/ STOR.
430

N: NET SF
G: GROSS SF



① KEYPLAN

CELL CULTURE & PROTEIN CORES

11-15

ESTIMATED PROJECT BUDGET

Construction Costs (including fixed equipment)	$1,396,450
Miscellaneous Costs	139,645
Project Contingency	153,610
Scientific Equipment (FF&E)	723,403
Design Fees	125,676
	$2,538,784

Estimated Project Costs: $2,538,800

SERVICING RENOVATED SPACE

This proposed project involves renovation of existing space on the fourth floor of Hubbard Hall. No new / additional square feet of building area will be created as a result of the project, and no additional funding for the annual maintenance and operation of the space is requested.

11-16

RHATIGAN STUDENT CENTER EXPANSION + R[illegible]

RSC Renovation Committee

- Dr. Wade Robinson, Vice President, Campus Life and University Relations
- Mary Herrin, Vice President, Administration and Finance
- Jim Herrman, Director, Rhatigan Student Center
- John Gist, Director, Facilities Planning
- Gary Brichacek, Assistant Director, Facilities Planning
- Woody DePontier, Director, Physical Plant
- Chuck Roush, Business Manager, Rhatigan Student Center
- Maria Ciski, Reservations Manager, Rhatigan Student Center
- Don Burris, Plant Operations Manager, Rhatigan Student Center
- Zach Gearhart, President, Student Government Association
- Jessica White, Vice President, Student Government Association
- Ivy Mullin, President, Student Activities Council

Attachment 12
JCSBC 11-10-10

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Introduction

The Rhatigan Student Center on the campus of Wichita State University serves as a venue for food services, the University Bookstore, meeting areas, recreational facilities, a bank, and lounge space for students to relax or study. It also houses the Student Government Association, Student Activities Council, Christian Ministries, the Center for Student Leadership, and the Shocker Bowling Program.

The building was originally completed and opened in 1959. A major addition was built on the south end of the building and opened in 1969. The building has undergone miscellaneous interior remodeling projects over the last 40 years including the dining area, bookstore, and student lounge areas. Some mechanical improvements have also been made during that time, but the building services are largely in need of replacement and/or refurbishing. Replacement parts are no longer available for the building elevators, as they have surpassed their useful lifespan.

In 2007, Howard + Helmer architecture was hired to conduct a total study of the facility. Numerous interviews were conducted over several months with students, faculty, staff, and user groups to gain an understanding of the issues, problems, space needs, and shortcomings of the building. The results of these meetings have been integrated into this program and are outlined in the pages that follow.

Vision Statement

We aspire to be a dynamic student union that is an integral contributor to the overall success of the university and serves as a bridge to the community.

Mission Statement

The Rhatigan Student Center is committed to providing a variety of programs, events, services and facilities which contribute to the overall success of an urban-serving university. We foster the cultural, economic, recreational and social needs of a diverse university community that build lifetime connections for faculty, staff and students.

The RSC Values

COMMUNITY

We serve as campus community builders through collaborative efforts and partnerships which enhance educational, economic, cultural, social and recreational experiences.

INTEGRITY

We maintain a constant level of excellence by being accountable to our community through fair, honest and ethical practices.

LEADERSHIP

We provide a variety of high quality programs and services that inspire personal growth and development outside the classroom.

RESPECT

We honor and celebrate the commonalities and individualities that exist within our community.

RSC Objectives

The Rhatigan Student Center's objective is to support and serve the students, faculty, staff, alumni and community through the development of programs, events, services and facilities that create an environment that is conducive to their academic success and overall well-being. The RSC has developed a strategic plan to establish specific ways in which to implement these RSC objectives. They are as follows:

- **Enhance Learning:**

  Develop programs, events, services and facilities that enhance the academic success of both traditional and non-traditional students. Engage the alumni and the community at large through various educational programming. Provide RSC staff opportunities to participate in continuing education activities.

- **Support:**

  Support students, faculty and staff by providing a clean, safe, secure and accessible facility in which they can thrive and connect with each other and alumni. Support the University's recruitment efforts by offering wide range of services attractive to today's student. Develop partnerships with the university and community to be better connected with those the RSC serves.

- **Retain:**

  Provide a variety of programs, events and facilities that encourage a sense of community that students, faculty, staff and alumni enjoy and want to be a part of. Continue to review and revise RSC policies and procedures that increase and improve customer service.

- **Recruit:**

  Attract new students, faculty and staff by developing social, cultural, recreational and educational programs that meet their needs as well as the needs of the campus community. Enhance meeting and community spaces that meet the logistical and technological needs of students. Develop retail services within the RSC that meet the students' needs and contribute to the financial viability of the RSC .

Project Summary

The Rhatigan Student Center has served the Wichita State University campus for the past 50 years. As the building has aged over the years, it has become increasingly apparent that areas of the building need to be upgraded in an effort to continue to accommodate the students, faculty and staff.

Many existing areas of the RSC fall short of meeting the needs of its patrons. These include a lack of space for the growing departments within the RSC, antiquated elevators that no longer can be fixed due to a lack of replacement parts, a lack of meeting space, deteriorating east patio, a lack of natural light in the building, the need for more student lounge space, and aging infrastructure that is inefficient and antiquated. Also, the existing Ballroom is too small to host many campus events throughout the year. These events have to be held in other locations across campus, resulting in logistical problems for catering and other services.

A study was commissioned in 2007 to have an architectural firm evaluate the existing building and the needs of all the departments, student groups, faculty, and staff. After assessing the current needs and recognizing the potential for future growth, conceptual plans were developed that addressed the needs that were identified throughout the process of the study. The proposed plans include approximately 35,000 square feet of new addition, an outdoor event area, renovation of 80% of the existing building, and upgrades to building infrastructure.

In August 2008, the project was temporarily put on hold due to the deteriorating national and local economies. In late fall 2009, WSU and the RSC administrations agreed to resume the process, and conceptual plans were updated to include additional departments in the RSC building.

Needs Description

The following outlines the needs that were identified and agreed upon during several hours of meetings, interviews, site observations and research. The groups involved in defining and prioritizing these needs were the RSC administration and staff, faculty, Student Government Association, Student Activities Council, WSU Administration, WSU Physical Plant, departments within the RSC, and the RSC Renovation Committee. They are as follows:

GENERAL BUILDING

- Upgrade building infrastructure.
- Replace elevators.
- Increase ADA accessibility throughout the building.
- Introduce natural daylight to the interior of the building where possible.
- Increase space for several departments within the RSC.
- Provide for after-hours access to student offices, ballroom and recreation center, while securing other areas of the building.
- Provide new ADA restrooms that are accessible to after-hour activities.
- Remodel existing restrooms for ADA compliance where feasible.
- Provide more student lounge space throughout the RSC.
- Provide outdoor space for student performances and events.
- Provide an open atrium to allow natural daylight to the interior of building and connect the floors and building occupants.

BASEMENT

- Provide larger lounge area with a view of recreation activities.
- Provide new restrooms, including a new family restroom, adjacent to lounge area.
- Provide new ADA ramp access to bowling lanes.
- Increase the size of the Graphics office.
- Relocate recreation manager's office to be adjacent to service counter.

FIRST FLOOR

- Add space near Food Service for dry goods storage.
- Provide more lounge area for students.
- Expand the RSC dining area.
- Move offices to second floor wherever possible.
- Establish new entrance at the northeast corner of building.

SECOND FLOOR

- Relocate Dining Services and Reservations offices to second floor.
- Group student offices into one location on second floor.
- Provide additional meeting rooms on second floor.
- Remodel RSC administration area.

THIRD FLOOR

- Increase the size of the Ballroom.
- Provide separate access to each half of the Ballroom when divided.
- Maintain prep kitchen adjacent to Ballroom.
- Provide new pre-function space outside the main Ballroom entrance.
- Provide a new family restroom adjacent to pre-function space.
- Provide a new meeting room adjacent to pre-function space.

Program Statement Purpose

The purpose of this statement is to provide information to the architects and engineers involved in the design of the building, and to aid in the approval of the Rhatigan Student Center Renovation Project by the appropriate authorities having jurisdiction over the project. This document will further be used to communicate information to the Kansas Board of Regents, Division of Budget, Division of Facilities Management, Joint Committee on State Building Construction and legislative staff. This is a multi-purpose document, and some of the contents may not be applicable to all involved.

Additional details as required will be developed in concert with the architect by personnel representing the units assigned to the facility as coordinated by the Office of Facilities Planning.

Refinement of Program Information

It is likely that revisions of the information contained in this document will be forthcoming. This program statement is one of the first steps in the planning process, and should be considered a work in progress.

General Guidelines

The RSC Renovation Committee shall provide general information to assist in the preparation of plans by the Project Architect. The description of spaces , although thorough, are not intended to be all-inclusive, nor does it preclude any additional information or pertinent details which the Architect will need to consider and develop in order to plan a successful project. To this end, as additional information becomes necessary, it will be developed in concert between the Architect, the RSC Renovation Committee and appropriate University representatives.

Applicable Codes

Design code requirements applicable to the RSC Renovation Project shall be those established by the State of Kansas Division of Facilities Management. At this writing, said codes have been identified as those listed below. It shall be the responsibility of the Project Architect, however, to verify any code updates which may have occurred.

The codes and their editions intended to be used for this project include:

- International Building Code (IBC), 2006 Edition (minus Chapter 11 Accessibility)
- International Building Fire Code (IFC), 2006 Edition
- International Mechanical Code (IMC), 2006 Edition
- International Plumbing Code (IPC), 2006 Edition
- National Electric Code (NEC), 2005 Edition
- International Energy Conservation Code (IECC), 2006 Edition
- ASHRAE 90.1-2007
- Kansas Fire Prevention Code
- Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)
- Kansas Boiler Code (K.S.A 44-913)

Site

The existing RSC building/project site is located on the campus of Wichita State University, just north of the south loop of Perimeter Road. Furthermore, the RSC is located between Clinton Hall and the Geology building on the east, and Jardine Hall and the Human Resources Center on the west. A site location map is included later in this document.

The building budget does not provide an allowance for installation of landscaping or irrigation systems. The University may or may not choose to include said improvements as part of the general contract.

Site Survey

A site survey of the area surrounding the RSC building will be a necessary part of the RSC Renovation project in order to locate and identify all existing utilities, easements, right-of-ways, setbacks and other existing constraints that will likely need to be addressed as part of this project.

Yale Street used to run along the east side of the RSC building and is shown on the 1969 south addition drawings. Predictably, there were several City of Wichita and WSU owned utilities located in this street right-of-way and/or easement. Many of these utilities still exist in this easement today. It is probable that these utilities will need to be rerouted to avoid the new addition construction planned along the east side of the RSC.

Soils Investigation and Report

A geotechnical soils investigation will be needed on this project. The areas of the site on which the new additions will be will need to have core samples taken and evaluated in a qualified laboratory. The Architect shall coordinate with the soils engineer to determine the number and location of borings and will provide engineer building related information they might need to compile their soils report.

Construction Compatibility

The RSC and Wichita State University administrators desire a aesthetically successful project, which will form a creative design that is sensitive to the site, existing campus, and immediate environs. Special care must be given to protect the integrity of Wichita State University's architectural context, with attention given to scale, building materials, colors and textures so as to blend the design into the surrounding campus. The RSC Renovation Project must be constructed to maintain or exceed minimum State and University construction standards.

Non-Assignable Rooms

Mechanical rooms, custodial rooms, telecommunications rooms, etc., are vital to all university buildings. Typically, only assignable rooms are listed, such as those outlined in the Space Summary and Space Descriptions sections of this document. The aforementioned non-assignable rooms are generally a part of the net/gross ratio for a building.

Identification of Areas

The final design development plans for each floor will include a table showing room number and description, room code for this program and the net assignable square feet (NASF) of each room. The plans will also show the total NASF and gross square feet (GSF) for each floor and for the building.

Room numbering shall be consistent with the University system. The architect will submit plans for room numbering prior to completion of construction documents. The room numbers identified on the construction documents are to be the same as the signage placed on the doors and/or walls at completion of the project.

Construction documents shall address both interior and exterior signage for the building. In addition to room numbers, a system of room names, directional and informational signage, and building directory (ies) will be needed.

Planning for the Physically Challenged

Wichita State University is committed to providing a barrier-free environment for this special population. Design of the building should not only comply with the ADAAG Standards, but the architect is encouraged to exceed these requirements whenever practical.

Elevators

There are currently (6) elevators in the RSC; 4 public and 2 service elevators. The (2) east elevators will be removed during demolition and replaced as part of the new addition. It is the desire of the University to replace all (6) elevators if project constraints will allow. Additional research is necessary to study the specifics of the (4) remaining elevators to know whether they can be replaced within existing shaftways, or if larger areas will be required to accommodate new elevators.

Structural

The structural framing system for the Rhatigan Student Center consists of a cast-in-place concrete frame using one-way concrete joists spanning between cast-in-place concrete beams and columns. The three-story structure has a full basement and it is founded on conventional footing foundations. The building is comprised of the original two-story structure that was constructed in the late 1950's and a three-story south addition that was constructed in the late 1960's. While the primary floor and roof structures consist of a concrete joist system, the areas over the second floor meeting room and third floor ballroom are constructed using steel trusses and open web steel joists to facilitate longer open spans. During a tour through the building in late 2008 with building staff, it appeared that the building was performing well from a structural engineering point of view.

The proposed program includes a new two-story expansion to the north of the existing building as well as the expansion of the existing second floor above a low roof structure and the demolition of portions of the east side of the building to accommodate a new atrium entry and spaces for associated activities.

The proposed program appears to be structurally feasible, however, there are a number of structural challenges. While portions of the low roof of the original late 1950's building were designed for future expansion, a review of the drawings and computations for the structure indicate that the east low roof location proposed for expansion of the second floor was not designed for future expansion. Although it appears that the existing concrete joist system may have adequate capacity to support floor loading, the concrete beams appear to lack adequate shear reinforcing and the footing foundations do not appear to be adequate to support the proposed second floor. Supplemental reinforcing of the existing concrete beams as well as underpinning of the original foundations would likely be required to carry out the proposed expansion.

Demolition of portions of the existing structure to accommodate the new east entry makes sense in order to provide a clean interface between the new and existing structures. A potential concern is that cast-in-place concrete inherently forms a monolithic structure with structural continuity from span to span. If portions of the existing structure are removed as proposed, there will be a loss of continuity in the concrete joist system. With this loss of continuity, portions of the existing joist system may need to be augmented with supplemental reinforcing in order to provide adequate structural capacity.

Mechanical

The existing RSC building was built in two primary phases. Over time, several interior remodels have occurred as needs within the existing spaces have changed. Energy efficiency, maintainability, flexibility and reliability are all of primary concern.

The following outdoor design temperatures will be used:

Winter	5°F DB
Summer	101°F DB/78°F WB

The following indoor design temperatures will be used:

Summer:	75°F DB 50% RH
Winter:	70°F DB (no humidity control)

Ventilation rates will be per ASHRAE Standard 62.1, *Ventilation for Acceptable Indoor Air Quality*. Design of the HVAC and service hot water systems is to be in accordance with ASHRAE Standard 90.1, *Energy Standard for Buildings Except Low-Rise Residential Buildings*.

Heating Plant:

Existing Conditions:

The existing heating plant consists of two separate boiler rooms, as a result of the two major construction projects that put the systems in originally. On the north half of the building, the steam boiler, circa 1972, provides steam for space heating, domestic water, and kitchen cooking equipment use. Small steam to hot water converters provide hot water for supplemental heating at unit heaters and fan coils in some locations.

On the south portion of the building, a steam boiler provides the primary heating source, with a steam to hot water converter for building heating water. Domestic hot water is provided via the steam-fired water heater in the north boiler room.
Both steam boiler plants are typically operated at around 11psig during the cold months.

Both steam heating systems have been extremely well maintained but have served past the normally anticipated life for this type of equipment, as have the steam fired domestic water heaters.

Proposed Modifications:

It is recommended that both boiler plants be removed and replaced. Some desires expressed by the Owner include:

- Combine the two separate systems into a single plant operationally, with a minimum of two boilers for redundancy.

- It is preferred that the use of steam be eliminated for building space heating, and hot water boilers be installed for this purpose. High-efficiency condensing type boilers are preferred.
- Steam is still required for some of the existing kitchen equipment.
- An instantaneous steam domestic water heater with a recirculation loop is desired. This new system should be configured to act as a single system.
- Energy efficiency, maintainability and low life-cycle costs are explicitly desired.

The new boiler plant will be sized to serve both the existing building loads and the proposed additional heating loads. To address the criteria noted above, this will be required to be a hybrid plant consisting of both steam and hot water boilers.

Cooling Plant:

Existing Conditions:
The existing cooling plant consists of two air-cooled chillers on the west side of the existing building. The piping arrangement is in a classic primary-secondary pumping configuration with constant volume chiller pumps and variable volume secondary pumps.

It is the expressed desire of the owner to maintain an air-cooled, stand-alone (not connected to the campus chilled water system) chiller plant for maximum flexibility.

The existing chiller plant is relatively new and believed to be in good condition. It was not sized for future capacity, and appears to currently struggle to maintain chilled water supply temperature during the hotter months. The capacity of this plant will need to be augmented to support the proposed additional cooling loads.

Proposed Modifications:
It is recommended that a minimum of one additional air-cooled chiller be added to the existing system to address the additional cooling loads, while maintaining the existing primary-secondary pumping configuration. This chiller should be connected to the primary side of the existing chilled water loop, with a new primary (chiller) chilled water pump. Sizing of the existing piping will need to be reviewed. Pumping capacity on the secondary (building) loop will also be upgraded for the additional loads.

Airside HVAC Systems:

Existing Conditions:
The existing airside systems consist primarily of indoor dual-duct air-handling units with dual-duct mixing boxes. In some limited locations, cabinet unit heaters and fan coil units provide supplemental heating and/or cooling.

There are multiple concerns with this existing system:

- Much as the boiler systems have been, the airside systems have been meticulously maintained over the years. They are original to the building, however, and are well past the anticipated service life for this type of equipment.
- The air-handling units in the north portion of the building have bottoms which are rusting out.

- Dual-duct systems are known as energy hogs with poor dehumidification capacity, and are typically not allowed by energy codes for new construction any longer. The Owner has made significant upgrades by converting the boxes, which were originally constant volume, to variable air volume. The inherent limitations of this system type remain, however.
- There are multiple spaces with differing hours of operation on common air-handling units. This is specifically a challenge in the south portion of the building, where the bookstore, Duffy's, ballroom and other spaces are all served by the single built-up air-handler in the sub-basement. It is desired to break the zoning of these spaces up to eliminate the need to run this single large air-handler to utilize any one of the spaces after hours.
- In the north building, several of the existing spaces are served from floor grilles, which can be an issue with furniture placement.
- Ceiling cavity space in the existing building is very tight, potentially limiting options for HVAC system upgrades.
- In the north portion of the building, economizer capacity is limited by an apparent restriction in either the fresh air or relief air path. This limitation results in the need to operate the chiller plant at temperatures which would otherwise be assumed adequate to provide free-cooling operation. The exact cause of the airflow restriction requires further investigation at this time.
- The original kitchen make-up air unit is prone to frequent freezing of the steam preheat coil. A preliminary observation of this unit indicates that the height of the existing steam trap may be inadequate for the lower coil section.

Proposed Modifications:

- Energy efficiency and operational costs have been noted by the Owner to be of priority, as has a desire to consider HVAC system types which may not be in widespread use in this area. The purpose of considering alternative, non-conventional, systems is the potential reduction in operational costs. There are potential tradeoffs, however, with first cost, availability, installer familiarity, flexibility, etc. that come with system selections that may be considered cutting edge. As part of the schematic design process, an evaluation and discussion of system options will be made.
- Air-handling equipment is to be installed indoors for maintenance and longevity concerns. The recommended location is an above-grade mechanical room or penthouse, as this allows the fresh air to be taken from a location other than a below-grade areaway. If the air-handling equipment must be installed in a below-grade location, additional duct chase space should be considered to allow the fresh air to be taken from above grade.

Plumbing Systems

Existing Conditions:

The existing plumbing systems have been updated and repaired over the years as required to maintain operation of the building. The original galvanized water piping has been replaced with copper. Portions of the existing above-floor waste and vent piping have been replaced due to leaks and remodels. The main 4" waste line below the existing basement floor has recently been repaired by a trenchless pipe lining process due to failures in this line. It is desired to replace the existing steam-fired domestic water heaters, due to age.

Proposed Modifications:
The existing plumbing systems will be upgraded as necessary for the proposed building addition and remodel. Wherever remodel work is occurring, accessible waste and vent piping that is original to the building should be replaced. Plumbing fixtures will be replaced with new wherever the remodel extents dictate. Conventional low-flow plumbing fixtures (1.6 gpf water closets, 1 gpf urinals, and 0.5 gpm lavatories) are planned. Also planned are automatic sensor flush valves and lavatory faucets. Domestic hot water systems will be recirculated to reduce wait times for hot water at remote fixtures. As noted above, instantaneous steam-fired domestic water heaters are preferred.

The storm water system will consist of roof drains and interior downspouts. Overflow drains will be provided and piped per local requirements.

Further investigation is currently required to determine if the existing domestic water and sewer systems are adequate for the proposed additions.

HVAC Control System (Building Automation System):
The Owner currently has a significant investment in a direct digital control (DDC) system as a retrofit to the original pneumatic control system. As part of this project, all remnants of the pneumatic system should be removed and replaced with DDC wherever systems are being modified, replaced or upgraded.

Electrical

The existing building was built in two primary phases, circa 1959 (north) and 1967 (south). Over time, several interior remodels have occurred as needs within the existing spaces have changed. Energy efficiency, maintainability, flexibility, and reliability are all of primary concern.

Electrical System:

Existing Conditions:
The existing electrical system consists of two main electrical rooms, each with its own electrical service. The north electrical service is rated 1200A., 277/480V., 3 phase, 4-wire and the south electrical service is rated 2000A., 277/480V., 3 phase, 4-wire. Both services are fed from an exterior switchgear line-up located between the Human Resources Facility and the CAC Theater. This exterior switchgear is approximately 10-12 years old and is in good condition. This switchgear also feeds the two air-cooled chillers. All services are routed below grade. The service for the north building has had some conductors repaired (taped) due to a fault when punctured by a probe being used by the gas company. The electrical distribution equipment in the north building is obsolete and replacement parts are difficult and expensive to obtain, if available. Some equipment enclosures are difficult to close once opened. Some circuit breaker operating mechanisms have to be forced closed if opened for any reason. There is no available space available for connection of additional loads. Due to energy conservation efforts, the service has spare capacity available, but it is difficult or impossible to utilize.

The electrical distribution equipment in the south building is 10 years newer than the north, but is still approaching 50 years of age. The south service also suffers from the same lack of available spare capacity. Elevator equipment is located in the code required working space of electrical equipment.

Both electrical systems do not have the code required working clearances available. Since there are two different utilization voltages used in the building (277/480V. and 120/208V.), code requires the different color coding of the wiring for each system and for the color coding to be posted at distribution equipment (distribution panels, panelboards, etc.). Since the building is fed by two different services, code also requires a placard at each service denoting the area served and the location and area served by all other services.

Lighting in the north building is predominately fed at 120V and lighting in the south building is predominately fed at 277V.. For energy savings, most linear fluorescent lamps have been retrofitted or replaced with T8 lamps and electronic ballasts and where possible, incandescent lamps have been replaced with compact fluorescent lamps. Most exit signs have been replaced with LED type. Meeting rooms typically have motion sensors connected to the building management system. The building management system controls the lights based on occupancy. The ballroom has a low voltage, relay based lighting control system.

Emergency lighting and exit sign lighting in both buildings is provided via fixtures with battery back-up.

The existing fire alarm system is a Simplex 4100 addressable system with speakers. There is a fire command center located at the southeast entrance and in the first floor reservation office where voice announcements maybe made during an emergency. Horns and strobes are provided throughout the facility.

The facility is not served by a generator. The exterior freezer on the west side of the building at the loading dock can be fed from a portable generator temporarily via exposed cabling, if required.

Proposed Modifications:

It is recommended that the electrical distribution equipment for both electrical services be removed and replaced. Code required working clearances should be provided about all electrical distribution equipment. Space should be provided in distribution equipment to allow for the easy addition of loads in the future. Due to energy conservation measures, the existing services should have sufficient capacity for the proposed renovations and additions.

The existing service entrance conductors for both services will need to be reworked for the new distribution equipment since the existing locations do not allow sufficient working space or required clearances. The conductors for the north service should be replaced due to the damage sustained when punctured by the gas company. This would insure the longevity of the service.

Permanent portable generator connection provisions should be provided for connecting the exterior freezer. This could consist of a manual transfer switch and portable generator connection cabinet to provide a safer and more reliable connection method. Provisions for providing portable generator power to the basement storm water pumps should also be investigated.

Any new lighting controls should be integrated with the existing building DDC system, similar to the current installation. Energy efficient lighting should be provided to continue the energy savings measures the owner has already implemented. Maintainability of the lighting system should be considered when specifying and locating lighting fixtures.

The fire command center located in the first floor reservation office should be relocated with the reservation office since this office is occupied during normal business hours.

Existing areas being remodeled will require raceways to be concealed in a manner similar to what has been done in the existing building. While requiring creativity and extra expense, the results are very aesthetically appealing and a requirement of the owner.

Telecommunications

It is anticipated that this building will make use of the latest telecommunications technology available with such features as full video, data and voice transmission. A full discussion of design requirements will take place further into the project, however, minimum requirements will include: fiber optic cable and hardware from the mainframe telecommunication switch to the building and main trunks between floors to individual stacked terminal rooms.

The building design will allow for horizontal and vertical distribution of communication and data wiring between all areas of the building. Wall boxes with empty conduit to ceiling void will be provided for cable TV in areas indicated.

It is desired to provide wireless technology in all meeting rooms, offices and lounge areas. Other specific locations for wireless connectivity are noted in the following pages.

Doors, Windows and Hardware

Where new aluminum and glass doors for outside entrances are used, they shall be sturdy, heavy gauge metal with wide stiles and rails. The frames need to be of equal quality, strength and stability. All exterior doors should use continuous hinges for durability.

Hardware shall utilize Corbin Russwin mortise locksets and standard cylinders compatible with existing campus door hardware. Removable blank cylinders will be keyed by the university.

Disaster Management

All pipes, ducts, etc., shall be clearly marked for content and direction of flow. A concise manual (with schematics) should be prepared to assist untrained personnel in locating valves so they can handle emergency situations.

Space Summary

Projected square footage is based on conceptual floor plans.

Basement—Renovated Areas

Recreation Lounge	2,725 sf
Public Restrooms	600 sf
Family Restroom	65 sf
Snack Bar	510 sf
Food Storage	550 sf
Recreation Manager Office	215 sf
Assistant Recreation Manager Office	215 sf
Billiards	3,310 sf
Recreation Storage	560 sf
Salon	595 sf
Salon Storage	50 sf
Engraving Office	320 sf
Building Storage (adjacent to new stair)	150 sf
Graphics	
Graphics Office	815 sf
Graphics Supervisor Office	120 sf
Marketing Manager Office	120 sf
Bowling Office	
Reception/Waiting	315 sf
Work Room	265 sf
Conference Room	620 sf
Head Coach Office	205 sf
Assistant Coach Office	200 sf
Bowling Storage	250 sf
Total Basement New/Renovated Programmed NASF	**12,775 sf**

Basement—Existing Non-renovated Areas

Bookstore	8,620 sf
Bookstore Office Area	1,205 sf
Bookstore Workroom	250 sf
Security Office	135 sf
Library Product Staging	645 sf
Employee Lounge	290 sf
Restrooms	235 sf

Basement—Existing Non-renovated Areas (continued)

Maintenance	1,545 sf
Storage (adjacent to service elevator)	100 sf
Janitor Office	180 sf
Storage	170 sf
Employee Restrooms	480 sf
Cooler	185 sf
Total Basement Non-renovated NASF	**14,040 sf**

First Floor—New/Renovated Areas

Main Entry Atrium	1,625 sf
Information Desk	230 sf
Information Storage	60 sf
RSC Manager Office	150 sf
Maintenance Supervisor Office	150 sf
Maintenance Storage	110 sf
Bank Lobby	240 sf
Bank Tellers	300 sf
Bank Work Room	110 sf
Card Center	120 sf
Family Restroom	100 sf
Public Restrooms	760 sf
Art Gallery	440 sf
Student Lounge 1 (adjacent to east entry)	1,275 sf
Student Lounge 2 (adjacent art gallery)	2,620 sf
Student Lounge 3 (north of art gallery)	2,510 sf
Freshens	510 sf
Freshens Storage	160 sf
West Entry Vestibule	375 sf
Kitchen Storage	630 sf
Public Restrooms	850 sf
Student Lounge 4 (northeast)	2,090 sf
Student Lounge 5 (north end)	1,950 sf
Semi-Private Dining	1,620 sf
Remodeled Dining Area	3,885 sf
Dry Food Storage	500 sf
Total First Floor New/Renovated Programmed NASF	**23,370 sf**

First Floor—Non-renovated Areas

Bookstore (includes 3 existing storage areas + 2 offices)		7,520 sf
Food Service (includes 3 existing storage areas)		8,080 sf
Dining Area		1,980 sf
Total First Floor Non-renovated Programmed NASF		**17,580 sf**

Second Floor—New/Renovated Areas

Student Activities Council

SAC Director		350 sf
Storage		220 sf
Workroom		100 sf
Reception		240 sf
Office		280 sf
Open Office Area		900 sf
Internal Circulation		330 sf
Meeting Room (shared with other student groups)		470 sf
Subtotal		2,890 sf

Student Organization Offices

Student Office	2 x	115 sf
Student Office	5 x	100 sf
Work Room		720 sf
Reception		395 sf
Internal Circulation		200 sf
Subtotal		2,045 sf

Student Government Association

SGA President Office		300 sf
SGA Staff Office		260 sf
Office	4 x	165 sf
Work Room		120 sf
Reception		330 sf
Conference Room		170 sf
Storage		295 sf
Internal Circulation		480 sf
Subtotal		2,615 sf

Second Floor—Renovated Areas (continued)

Office of Multicultural Affairs

Lounge Area/Open Office		570 sf
Work Room		160 sf
Library		60 sf
Office		175 sf
Conference Room		175 sf
Closet		30 sf
Office		165 sf
Program Coordinator Office		165 sf
Director Office		225 sf
Subtotal		1,725 sf

Christian Ministries Office

Minister Office		200 sf
Office		250 sf
Subtotal		450 sf

General

Storage	2 x	245 sf
Public Restrooms (south bank)		810 sf
Student Advocate		280 sf
Storage		250 sf
Lounge Area		700 sf
Alumni Office		305 sf
Storage		315 sf
Lounge Area		435 sf
Public Restrooms (middle bank)		500 sf
Family Restroom		95 sf
Storage (adjacent to Meeting Room R)		300 sf
Storage (adjacent to Meeting Room H)		165 sf
Food Service		840 sf
Subtotal		5,485 sf

Second Floor—Renovated Areas (continued)

Dining Services/Reservations

Reservations Office		530 sf
Dining Services Office		300 sf
Dining Services Cashier		170 sf
Work Room/Open Office		700 sf
Storage		80 sf
Subtotal		1,780 sf

Administration

Reception/Waiting		320 sf
Open Work Area		660 sf
Work Room		130 sf
File Storage Room		225 sf
Storage		100 sf
Office	2 x	155 sf
Office	3 x	170 sf
Director Office		230 sf
Conference Room		320 sf
Subtotal		2,805 sf

Business Office

Cashier/Reception		325 sf
Work Room		185 sf
Office	2 x	165 sf
Storage		140 sf
Vault		90 sf
File Storage		180 sf
Open Work Area		470 sf
Subtotal		1,720 sf

Meeting Rooms

Meeting Room A	2,165 sf
Meeting Room B	1,195 sf
Meeting Room C	1,105 sf
Meeting Room D	785 sf
Meeting Room E	785 sf
Meeting Room F	800 sf
Meeting Room G	800 sf

Second Floor—Renovated Areas (continued)

Meeting Room H	660 sf
Meeting Room J	595 sf
Meeting Room K	340 sf
Meeting Room L	660 sf
Meeting Room M	475 sf
Meeting Room N	895 sf
Meeting Room O	270 sf
Meeting Room P	950 sf
Meeting Room Q	1,168 sf
Meeting Room R	202 sf
Subtotal	13,850 sf
Total Second Floor New/Renovated Programmed NASF	**47,210 sf**

Second Floor—Existing Non-renovated Areas

Building Storage	715 sf
Second Floor Non-renovated NASF	**715 sf**

Third Floor—New/Renovated Areas

Ballroom	7,480 sf
Ballroom Storage	380 sf
Kitchen	900 sf
Lounge	220 sf
Public Restrooms	860 sf
Lounge	2,150 sf
Family Restroom	55 sf
Conference Room	470 sf
Meeting Room	1,360 sf
Storage	720 sf
Third Floor New/Renovated Programmed NASF	**14,595 sf**
Third Floor Non-renovated NASF	**0 sf**

Space Summary

Total New + Renovated Programmed NASF	97,950 sf
Total Existing Non-renovated Programmed NASF	32,335 sf
Total Programmed NASF	130,285 sf
Total Programmed GSF	186,080 sf
Total Gross/Total Net Ratio	1.42

Basement—Renovated Spaces

Recreation Lounge	2,725 sf	This space serves as lounge space for students and faculty to gather in an environment open to view from the retail spaces, snack bar, and bowling areas. The following utilities will be required: 110V, cable TV, voice/data, wireless.
Public Restrooms	600 sf	These public restrooms will provide accessible facilities for users of the recreation center, salon, business office, and engraving office. The rooms should contain adequate facilities to accommodate maximum utilization of the recreation center and adjacent retail space. Floor finish will be non-absorptive. The following utilities will be required: 110V, hot/cold water, sewer. The restrooms are located adjacent to the lounge area.
Family Restroom	65 sf	This restroom will provide an accessible facility for users that have special needs (i.e. the assistance of an adult caretaker, etc.) Floor finish will be non-absorptive. The following utilities will be required: 110V, hot/cold water, sewer. The restroom is located adjacent to the lounge area.
Snack Bar	510 sf	This area will serve the recreation area and will offer food items for students and faculty. The following utilities will be required: 110V, hot/cold water, cable TV. The possibility of an exhaust hood should be explored for food service use. This area should be adjacent to the lounge and billiards areas.
Food Storage	550 sf	This area will serve as storage for the snack bar in the recreation area. The following utilities will be required: 110V. A wide door opening should be provided to access the space. This area should be adjacent to the snack bar and manager's office.
Recreation Manager Office	215 sf	This space serves as the recreation manager's office. The following utilities will be required: 110V, cable TV, voice/data. This office should be adjacent to the snack bar and food storage.

Assistant Rec. Mgr. Office	215 sf	This space serves as the assistant recreation's manager office. The following utilities will be required: 110V, cable TV, voice/data. This office should be adjacent to the snack bar and food storage.
Billiards	3,310 sf	This space is to serve as an entertainment area dedicated to pool tables and other interactive games for students and faculty. The following utilities will be required: 110V, cable TV, voice/data. This space should be adjacent to the snack bar and be close to the recreation lounge.
Recreation Storage	560 sf	This space serves as storage for the recreation center. The following utilities will be required: 110V. A wide door opening should be provided to access the space. This space should be located adjacent to the mechanical room to help insulate lift station pump noise from being heard in lounge, salon, or engraving areas.
Salon	595 sf	This space serves as a hair styling salon for students and faculty. The following utilities will be required: 110V, hot/cold water, voice/data, cable TV. This space should be adjacent to the recreation lounge, and have a glass store front to maximize visibility to recreation lounge.
Salon Storage	50 sf	This space serves as storage area for the salon. The following utilities will be required: 110V. This space should be located adjacent to and accessible from the salon.
Engraving Office	320 sf	The engraving office serves as a retail engraving service to WSU students, faculty, and staff. The following utilities are required: 110V, cable TV, voice/ data. This space should be adjacent to the recreation lounge, and have a glass store front to maximize visibility to recreation lounge.
Marketing Manager Office	120 sf	This space serves as an office for the RSC marketing manager. The following utilities are required: 110V, cable TV, voice/data. Due to the large number of computers required in this space, special provisions for ventilation/cooling should be provided. This space should be adjacent to the Graphics Office.

Graphics Office	815 sf	This space serves as a work area for 1-2 student marketing assistants, and 3-5 student graphic artists. It should have some hard surface and some carpet flooring and will contain work counters, cabinets and shelving for storage. It will also need to accommodate a fax and a copy machine. The following utilities are required: 110V, cable TV, voice/data. Due to the large number of computers required in this space, special provisions for ventilation/cooling should be provided. This space should be adjacent to the graphics supervisor office and the marketing manager office.
Graphics Supervisor Office	120 sf	This space serves as an office for the RSC graphics supervisor. The following utilities are required: 110V, cable TV, voice/data. Due to the large number of computers required in this space, special provisions for ventilation/cooling should be provided. This space should be adjacent to the graphics office area.
Building Storage	150 sf	This space is intended for general storage and is adjacent to the proposed new stair, east of the bookstore. The following utilities are required: 110V.

Bowling Office

Reception/Waiting	315 sf	The reception space will provide an area for staff to receive incoming and outgoing student athletes and visitors. 2-3 chairs for waiting should be provided as well as work counter and file storage for 2 staff positions. The following utilities are required: 110V, cable TV, voice/data. This space should be adjacent to work/supply room.
Work Room	265 sf	The space will serve as a work/storage area with a copier, fax machine, and cabinets for supply storage. The following utilities are required: 110V, phone/data. This space should be adjacent to reception/waiting area.
Conference Room	620 sf	The space will serve as a meeting area for the WSU bowling team. The space will have a large conference table and chairs. The following utilities are required: 110V, cable TV, voice/data. The space should be adjacent to coaches offices.

Head Coach Office	205 sf	The space will serve as the WSU bowling coach's office. The following utilities are required: 110V, cable TV, voice/data. The space should be adjacent to the conference room.
Assistant Coach Office	200 sf	The space will serve as the WSU bowling assistant coach's office. The following utilities are required: 110V, cable TV, voice/data. The space should be adjacent to the conference room.
Bowling Storage	250 sf	The space will serve as a storage area for the bowling team. The following utilities are required: 110V. It should be accessible from within bowling office area.

First Floor —Renovated Spaces

Main Entry Atrium	1,625 sf	The space serves as the main entry to the union and a "crossroads" to which adjacent spaces open onto. Area will include cyber counter with computer stations to provide students internet access. The following utilities are required: 110V, voice/data. This space shall be adjacent to the Information Desk and student lounge(s).
Information Desk	230 sf	This space will house staff to provide information, directions and services to students and visitors to the RSC. The space will contain a built-in reception desk, computers for staff use, file cabinets, etc. There should be a work area with supply storage cabinets and a copier/fax machine. The following utilities will be required: 110V, voice/data. The space should be adjacent to the Main Entry Atrium for maximum visibility.
Information Storage	60 sf	This storage space is to serve as supply storage for the Information Desk. The following utilities are required: 110V. It should be adjacent to information desk.
RSC Manager Office	150 sf	The office will provide space for the manager responsible for RSC building operations and maintenance personnel. The following utilities will be required: 110V, cable TV, voice/data. It should be adjacent to the maintenance supervisor office.

Maint. Supervisor Office	150 sf	The office will provide space for the RSC maintenance supervisor. The following utilities will be required: 110V, cable TV, voice/data. It should be adjacent to the RSC manager office.
Maintenance Storage	110 sf	The room will be a storage area for building maintenance equipment. The following utilities will be required: 110V. A wide door opening should be provided to access the space. This space should be adjacent to the maintenance supervisor office.
Bank Lobby	240 sf	The bank lobby will serve as a customer service area for the bank. It should have a transaction counter, several chairs for waiting, and a hospitality counter. The following utilities will be required: 110V, voice/ data, cable TV, CCTV camera capabilities. The area should be adjacent to the bank tellers.
Bank Tellers	300 sf	The bank teller area serves as a customer service transaction counter. Provide 3 teller transaction areas, 1 that is ADA accessible. Transaction counters will need to accommodate typical under-counter bank cabinets. The following utilities will be required: 110V, voice/data, CCTV camera capabilities. The bank teller area is to be adjacent to the bank lobby and work room.
Bank Work Room	110 sf	Work room will contain a cash vault and countertop coin-counter, as well as provide storage cabinets for supplies. The following utilities will be required: 110V, voice/data, security camera-capable provisions. Work room will be adjacent to the bank tellers.
Card Center	120 sf	The Card Center serves students as the place they go get their WSU Shocker cards issued and maintained. Room should have a counter for a camera with a place where students sit while they have their photo taken. The following utilities will be required: 110V, voice/ data. Card center shall be on first floor adjacent to the bank. Card center needs to be easily seen by students.

Family Restroom	100 sf	The restroom will provide the public an accessible restroom facility for users having special needs (i.e. users who require the assistance of an adult caretaker, etc.) Floor finish will be non-absorptive. The following utilities will be required: 110V, hot/cold water, sewer. The restroom will be located adjacent to the public restrooms.
Public Restrooms	760 sf	These new public restrooms will provide accessible facilities that accommodate maximum utilization of the first floor spaces. Floor finish will be non-absorptive. The following utilities will be required: 110V, hot/cold water, sewer. The restrooms are to located near the lounge and bookstore.
Art Gallery	440 sf	The gallery will be a place to display student art work as well as traveling art exhibits . The following utilities will be required: 110V, voice/data. This should be located near student lounge space or along high-traffic areas where it can be easily seen.
Student Lounge 1 (adj. main entry)	1,275 sf	This space will serve as a gathering space for students. It will be a place for event attendees to relax, visit with others, or use a mobile PC prior to or during breaks in classes or meetings. The space will contain a variety of comfortable seating, end tables, display cases, computer counters, etc. The following utilities will be required: 110V, wireless, cable TV. The room should be located directly off the front entrance atrium, and near the information area and public restrooms. A good view of the outdoor performance stage shall be provided as well.
Student Lounge 2 (adj. art gallery)	2,620 sf	This space will serve as a gathering space for students. It will be a place for students to relax, visit with others, or use a mobile PC prior to or during breaks in classes or meetings. The space will contain a variety of comfortable seating, end tables, display cases, computer counters, etc. The following utilities will be required: 110V, wireless, cable TV. The room should be open to the main circulation "crossroads" to allow students to see and socialize with each other. The space should be close to public restrooms and allow a strong visual connection to the bookstore.

Student Lounge 3 (adj. to deli)	2,510 sf	This space will serve as a gathering space for students. It will be a place for students to relax, visit with others, or use a mobile PC prior to or during breaks in classes or meetings. The space will contain a variety of comfortable seating, end tables, display cases, computer counters, etc. The following utilities will be required: 110V, wireless, cable TV. The room should be open to the main circulation "crossroads" to allow students to see and socialize with each other. The space should be close to public restrooms and allow a strong visual connection to the bookstore.
Freshens	510 sf	This space serves as a retail refreshment counter that offers different kinds of smoothies, grab-and-go snack foods, and other misc. items. The following utilities will be required: 110V, hot/cold water, sewer, voice/ data. The space needs to be open to the lounge(s) and should be close to public restrooms, and be located close to the main circulation "crossroads".
Freshens Storage	160 sf	The room will serve as a storage area for Freshens. Room is to have shelving for storage. The following utilities will be required: 110V. A wide door opening should be provided to access the space. This space should be adjacent to Freshens.
West Entry Vestibule	375 sf	The vestibule serves to assist in keeping energy cost lower by minimizing the transfer of inside/outside air. Vending machines will be located in this space, as well. The following utilities will be required: 110V. Vending machines need to be located close to main circulation pathways.
Kitchen Storage	630 sf	This space is to serve as additional kitchen storage. The following utilities will be required: 110V. A wide door opening should be provided to access the space. This space should be adjacent to the kitchen area.
Public Restrooms	850 sf	Restrooms shall be remodeled to fully comply with ADA and to allow maximum utilization of surrounding first floor spaces. The following utilities will be required: 110V, hot/cold water, sewer. Restrooms should be located along main circulation path and near dining and lounge areas.

Student Lounge 4 (northeast)	2,090 sf	This space will serve as a gathering space for students. It will be a place for students to relax, visit with others, or use a mobile PC prior to or during breaks in classes or meetings. The space will contain a variety of comfortable seating, end tables and hospitality counter. The following utilities will be required: 110V, wireless, cable TV. The room should be open to the main circulation path to allow students to see and socialize with each other. The space should be close to public restrooms.
Student Lounge 5 (north end)	1,950 sf	This space also will serve as a gathering space for students where they can relax, visit with others, or use a mobile PC prior to or during breaks in classes or meetings. The space will contain a variety of comfortable seating , end tables, etc. The following utilities will be required: 110V, wireless, cable TV. This room should provide a quieter environment where students can study or relax. This lounge will be in a location that should be bit more removed from loud activities.
Semi-Private Dining	1,620 sf	This space can serve as additional dining space for students or can be closed off for private groups or lunch meetings. The following utilities will be required: 110V, wireless, cable TV. This room should open off a corridor and be located near existing dining areas.
Remodeled Dining Area	3,885 sf	This dining space is the area that will receive major renovation to expand the existing dining room north. Dining area will be divided from the corridor with a partial height wall that maintains an openness that is lacking in the existing dining room.
Dry Food Storage	500 sf	This room serves as a fully-enclosed, conditioned space for dry food storage. It will be located west of the main building at the loading dock elevation for convenient food deliveries. The following utilities will be required: 110V. A wide door opening should be provided to access the space. Room should be adjacent to loading dock and cooler.

Second Floor —Renovated Spaces

Student Activities Council

Reception	240 sf	The reception space will provide an area for Student Activities Council staff to receive incoming and outgoing students and visitors. 2-3 chairs for waiting should be provided as well as work counter and file storage for 1 staff position. The following utilities are required: 110V, cable TV, voice/data. This space should be at the front of the SAC suite, adjacent to the work room.
Work Room	100 sf	The space will serve as a work/storage area with a copier, fax machine, and cabinets for supply storage. The following utilities are required: 110V, voice/data. This space should be contained within the SAC suite.
Storage	220 sf	The space will serve as a storage area for the Student Activities Council The following utilities are required: 110V. A wide door opening should be provided to access the space. It should be contained within the SAC suite.
SAC Director	350 sf	The office will provide space for the Student Activities Council director. The following utilities will be required: 110V, cable TV, voice/data. It should be contained within the SAC suite.
SAC Office	280 sf	The office will provide space for the Student Activities Council staff. The following utilities will be required: 110V, cable TV, voice/data. It should be contained within the SAC suite.
Open Office Area	900 sf	This space serves as a work area for Student Activities Council staff. It should include 8 cubicle spaces that accommodate computers and file storage. The following utilities are required: 110V, cable TV, voice/ data. This space should be contained within the SAC suite, adjacent to the work room and storage rooms.

Meeting Room	470 sf	The Meeting Room will be a multi-purpose space used for small-group meetings and presentations. The room will be carpeted and will contain a conference table and chairs for 20 people. Design of the room should include provisions for projector mount for electronic presentations. Fixed equipment includes a projection screen. The following utilities will be required: 110V, cable TV, voice/data. This room should be located so it is accessible to the Student Activities Council and Student Organizations offices.

Student Organizations Office

Reception	395 sf	The reception space will provide an area for Student Organizations staff to receive incoming and outgoing students and visitors. 2-3 chairs for waiting should be provided as well as work counter and file storage for 1 staff position. The space will also contain upper and lower cabinets for supply storage. The following utilities are required: 110V, cable TV, voice/data. This space should be at the front of the suite.
Work Room	720 sf	This space will provide a work area for use by various Student Organizations. It should include 4 cubicle spaces that accommodate computers and file storage, tables and chairs, and upper and lower cabinets for supply storage. The following utilities are required: 110V, voice/data. This space should be contained within the SAC office suite, adjacent to the Reception.
Student Organization Office	7 x 100 sf	These offices will provide space for use by various Student Organizations. Each room should contain a table and chairs. The following utilities will be required: 110V, cable TV, voice/data. The offices should be contained within the Student Organizations office suite, adjacent to the Work Room.

Student Government Association

Reception	330sf	The reception space will provide an area for Student Government Association staff to receive incoming and outgoing students and visitors. 2-3 chairs for waiting should be provided as well as work counter and file storage for 1 staff position. The following utilities are required: 110V, cable TV, voice/data. This space should be at the front of the SGA suite.

SGA President Office	300 sf	The office will provide space for the Student Government Association President. The following utilities will be required: 110V, cable TV, voice/data. It should be contained within the SAC suite, adjacent to the Reception and Work Room.
SGA Staff Office	260 sf	The office will provide space for the Student Government Association staff. The following utilities will be required: 110V, cable TV, voice/data. It should be contained within the SGA suite.
SGA Office	4 x 165 sf	These offices will provide space for the Student Government Association staff. The following utilities will be required: 110V, cable TV, voice/data. They should be contained within the SGA suite.
Work Room	120 sf	The space will serve as a work/storage area with a copier, fax machine, and cabinets for supply storage. The following utilities are required: 110V, phone/data. This space should be contained within the SGA suite.
Conference Room	170 sf	The Conference Room will be a space used for small-group meetings and presentations. The room will be carpeted and will contain a conference table and chairs for 10 people. The following utilities will be required: 110V, cable TV, voice/data. This room should be contained within the SGA suite.
Storage	300 sf	This space(s) will serve as a storage area for the Student Government Association. The following utilities are required: 110V. A wide door opening should be provided to access the space. It should be contained within the SAC suite.

Office of Multicultural Affairs

Lounge Area/Open Office	570 sf	This space will serve as reception, office and gathering space for the Office of Multicultural Affairs. 3-4 chairs for waiting should be provided as well as office furniture and file storage for 2 staff positions. The following utilities are required: 110V, cable TV, voice/ data. This space should be at the front of the Multicultural Affairs suite, opening from the corridor.

Director Office	225 sf	The office will provide space for the Office of Multicultural Affairs Director. The following utilities will be required: 110V, cable TV, voice/data. It should be contained within the Multicultural Affairs suite.
Program Coordinator Office	165 sf	The office will provide space for the Office of Multicultural Affairs Program Coordinator. The following utilities will be required: 110V, cable TV, voice/data. It should be contained within the Multicultural Affairs suite.
Office	2 x 165 sf	These offices will provide space for Office of Multicultural Affairs staff. The following utilities will be required: 110V, cable TV, voice/data. They should be contained within the Multicultural Affairs suite.
Work Room	160 sf	The space will serve as a work/storage area with a copier, fax machine, and cabinets for supply storage. The following utilities are required: 110V, phone/data. This space should be contained within the Multicultural Affairs suite.
Library	60 sf	The Library will provide space to store books and other reference material. It should accommodate approximately 20 linear feet of full-height shelving. The following utilities are required: 110V. This space should be contained within the Multicultural Affairs suite.
Conference Room	175 sf	The Conference Room will be a space used for small-group meetings and presentations. The room will be carpeted and will contain a conference table and chairs for 10 people. The following utilities will be required: 110V, cable TV, voice/data. This room should be contained within the Multicultural Affairs suite.
Storage	30 sf	This space(s) will serve as a storage area for the Office of Multicultural Affairs. The following utilities are required: 110V. A wide door opening should be provided to access the space. It should be contained within the suite.

Christian Ministries Office

Minister Office	200 sf	This area will provide office space for the campus Minister. 3-4 chairs for waiting should be provided as well as office furniture and file storage for 1 staff position. The following utilities are required: 110V, cable TV, voice/data. This space should be accessible from both the Christian Ministries Office and the corridor.
Office	250 sf	This office will provide space for the Christian Ministries Office. The following utilities are required: 110V, cable TV, voice/data. This space should open directly off the corridor.

Dining Services/Reservations

Reservations Office	530 sf	This area will provide space for the Reservations Office. 2-3 chairs for waiting should be provided as well as office furniture and file storage for 2 staff positions. The following utilities are required: 110V, cable TV, voice/data. This space should open directly off the corridor.
Work Room/Open Office	700 sf	This area will provide offices and work space for use by Dining Services and Reservations staff. It should include 4 cubicle spaces that accommodate computers and file storage. The following utilities are required: 110V, cable TV, voice/data. This space should be accessible from the corridor, adjacent to both Reservations and Dining Services offices.
Dining Services Office	300 sf	This area will provide space for the Dining Services Office. The following utilities are required: 110V, cable TV, voice/data. This space should open off the Work Room/Open Office.
Dining Services Cashier	170 sf	This area will provide space for the Dining Services Cashier. The following utilities are required: 110V, cable TV, voice/data. This space should open off the Work Room/Open Office.

Storage	80 sf	This space(s) will serve as a storage area for Dining Services and Reservations. The following utilities are required: 110V. A wide door opening should be provided to access the space. Storage space should be accessible to both the Reservations Office and Dining Services area.

Administration

Reception/Waiting	320 sf	The reception space will provide an area for Administration staff to receive incoming and outgoing students and visitors. 2-3 chairs for waiting should be provided as well as work counter and file storage for 1 staff position. The following utilities are required: 110V, cable TV, voice/data. This space should be at the front of the Administration suite, adjacent to the Open Work Area.
Open Work Area	660 sf	This area will provide open office/work space for Administration staff. Work counter and file storage for 2 staff positions should be provided. The following utilities are required: 110V, cable TV, voice/data. This space should be adjacent to the Reception/Waiting area.
Director Office	230 sf	The office will provide space for the Rhatigan Student Center Director. The following utilities will be required: 110V, cable TV, voice/data. It should be contained within the Administration suite.
Office	3 x 170 sf	These offices will provide space for Administration staff. The following utilities will be required: 110V, cable TV, voice/data. They should be contained within the Administration suite.
Office	2 x 155 sf	These offices will provide space for Administration staff. The following utilities will be required: 110V, cable TV, voice/data. They should be contained within the Administration suite.

Conference Room	320 sf	The Conference Room will be a space used for small-group meetings and presentations. The room will be carpeted and will contain a conference table and chairs for 20 people. Design of the room should include provisions for projector mount for electronic presentations. Fixed equipment includes a projection screen. The following utilities will be required: 110V, cable TV, voice/data. This room should be contained within the Administration suite.
Work Room	130 sf	The space will serve as a work/storage area with a copier, fax machine, and cabinets for supply storage. The following utilities are required: 110V, voice/data. This space should be contained within the Administration suite.
File Storage	225 sf	This space will serve as file storage for the Administration. It should accommodate approximately 30 full-height file cabinets. The following utilities are required: 110V. It should be contained within the Administration suite, adjacent to the Open Work area.
Storage	100 sf	This space will serve as a storage area for the Administration. The following utilities are required: 110V. It should be contained within the Administration suite, adjacent to the Open Work area.

Business Office

Reception/Cashier	325 sf	The Reception/Cashier space will provide open office space for reception and cashier functions. Work counter and file storage for 2 staff positions should be provided. The following utilities are required: 110V, cable TV, voice/data. This space should be at the front of the Business Office suite and adjacent to the Vault.
Vault	90 sf	The Vault will provide secure storage space for financial transactions, documents and records. The following utilities will be required: 110V. The Vault should be located adjacent to the Reception/Cashier, in a secure location with access controlled by staff.

Work Room	185 sf	The space will serve as a work/storage area with a copier, fax machine, and cabinets for supply storage. The following utilities are required: 110V, phone/data. This space should be contained within the Business Office suite.
Office	2 x 165 sf	These offices will provide space for Business Office staff. The following utilities will be required: 110V, cable TV, voice/data. They should be contained within the Business Office suite.
Open Office	470 sf	This area will provide open office/work space for Business Office staff. It should include 4 cubicle spaces that accommodate computers and file storage. The following utilities are required: 110V, cable TV, voice/ data. This space should be located within the Business Office suite.
File Storage	180 sf	This space will serve as file storage for the Business Office. It should accommodate approximately 20 full-height file cabinets. The following utilities are required: 110V. It should be contained within the Business Office suite.
Storage	100 sf	This space will serve as a storage area for the Business Office. The following utilities are required: 110V. It should be contained within the Business Office suite.

Meeting Rooms

Meeting Room A	2,165 sf	Meeting Room A will be a multi-purpose large group meeting/conference room. The room will be carpeted and will contain tables and chairs. Design of the room should also include provisions for projector mount, projection screen and medium podium for electronic presentations. The following utilities will be required: 110V, cable TV, voice/data. This room should have direct access to storage space and be located near lounge area and public restrooms.

Meeting Room B	1,195 sf	Meeting Room B will be a multi-purpose large group meeting/conference room. The room will be carpeted and will contain tables and chairs. Design of the room should also include provisions for projector mount, projection screen and medium podium for electronic presentations. The following utilities will be required: 110V, cable TV, voice/data. This room should have direct access to storage space and be located near lounge area and public restrooms.
Meeting Room C	1,105 sf	Meeting Room C will be a multi-purpose large group meeting/conference room. The room will be carpeted and will contain tables and chairs. Design of the room should also include provisions for projector mount, projection screen and media podium for electronic presentations. The following utilities will be required: 110V, cable TV, voice/data. This room should have direct access to storage space and be located near lounge area and public restrooms.
Meeting Room D	785 sf	Meeting Room D will be a multi-purpose medium group meeting/conference room. The room will be carpeted and will contain tables and chairs. Design of the room should also include provisions for projector mount and projection screen for electronic presentations. The following utilities will be required: 110V, cable TV, voice/data. This room should be located near storage space, lounge area and public restrooms.
Meeting Room E	785 sf	Meeting Room E will be a multi-purpose medium group meeting/conference room. The room will be carpeted and will contain tables and chairs. Design of the room should also include provisions for projector mount and projection screen for electronic presentations. The following utilities will be required: 110V, cable TV, voice/data. This room should be located near storage space, lounge area and public restrooms.

Meeting Room F	800 sf	Meeting Room F will be a multi-purpose medium group meeting/conference room. The room will be carpeted and will contain tables and chairs. Design of the room should also include provisions for projector mount and projection screen for electronic presentations. Fixed equipment includes a projection screen. The following utilities will be required: 110V, cable TV, voice/data. This room should be located near storage space, lounge area and public restrooms.
Meeting Room G	800 sf	Meeting Room G will be a multi-purpose medium group meeting/conference room. The room will be carpeted and will contain tables and chairs. Design of the room should also include provisions for projector mount and projection screen for electronic presentations. The following utilities will be required: 110V, cable TV, voice/data. This room should be located near storage space, lounge area and public restrooms.
Meeting Room H	660 sf	Meeting Room H will be a multi-purpose medium group meeting room. The room will be carpeted and will contain tables and chairs. Fixed equipment includes a projection screen. The following utilities will be required: 110V, cable TV, voice/data. This room should be located near storage space, lounge area and public restrooms.
Meeting Room J	595 sf	Meeting Room J will be a multi-purpose medium group meeting room. The room will be carpeted and will contain tables and chairs. Fixed equipment includes a projection screen. The following utilities will be required: 110V, cable TV, voice/data. This room should be located near storage space, lounge area and public restrooms.
Meeting Room K	340 sf	Meeting Room K will be a multi-purpose small group meeting room. The room will be carpeted and will contain tables and chairs. Fixed equipment includes a projection screen. The following utilities will be required: 110V, cable TV, voice/data. This room should be located near storage space, lounge area and public restrooms.

Meeting Room L	660 sf	Meeting Room L will be a multi-purpose medium group meeting room. The room will be carpeted and will contain tables and chairs. Fixed equipment includes a projection screen. The following utilities will be required: 110V, cable TV, voice/data. This room should be located near storage space, lounge area and public restrooms.
Meeting Room M	475 sf	Meeting Room M will be a multi-purpose small group meeting room. The room will be carpeted and will contain tables and chairs. Fixed equipment includes a projection screen. The following utilities will be required: 110V, cable TV, voice/data. This room should be located near storage space, lounge area and public restrooms.
Meeting Room N	895 sf	Meeting Room N will be a multi-purpose small group meeting room. The room will be carpeted and will contain tables and chairs. Fixed equipment includes a projection screen. The following utilities will be required: 110V, cable TV, voice/data. This room should be located near storage space, lounge area and public restrooms.
Meeting Room O	270 sf	Meeting Room O will be a small group meeting room. The room will be carpeted and will contain a table and chairs. The following utilities will be required: 110V, cable TV, voice/data. This room should be located near storage space, lounge area and public restrooms.
Meeting Room P	950 sf	Meeting Room P will be a multi-purpose large group meeting room. The room will be carpeted and will contain tables and chairs. Design of the room should also include provisions for projector mount and projection screen for electronic presentations. The following utilities will be required: 110V, cable TV, voice/data. This room can be combined with Meeting Room Q via a movable wall to accommodate larger groups. This room should be located near storage space, lounge area and public restrooms.

Meeting Room Q	1,168 sf	Meeting Room P will be a multi-purpose large group meeting room. The room will be carpeted and will contain tables and chairs. Design of the room should also include provisions for projector mount and projection screen for electronic presentations. The following utilities will be required: 110V, cable TV, voice/data. This room can be combined with Meeting Room P via a movable wall to accommodate larger groups. This room should be located near storage space, lounge area and public restrooms.
Meeting Room R	202 sf	Meeting Room O will be a small group meeting room. The room will be carpeted and will contain a table and chairs. The following utilities will be required: 110V, cable TV, voice/data. This room should be located near storage space, lounge area and public restrooms.

General

Public Restrooms	2 x 400 sf	The public restrooms will provide accessible facilities for users of the meeting rooms and student group areas. The rooms should contain adequate facilities to accommodate maximum utilization of the meeting rooms. Floor finish will be non-absorptive. The following utilities will be required: 110V, hot/cold water, sewer. The restrooms should be located adjacent to the elevator lobby and near the meeting rooms and student group suites.
Public Restrooms	2 x 250 sf	The public restrooms will provide accessible facilities for users of the meeting rooms. The rooms should contain adequate facilities to accommodate maximum utilization of the meeting rooms. Floor finish will be non-absorptive. The following utilities will be required: 110V, hot/cold water, sewer. The restrooms should be located adjacent to the east center stairway and near the meeting rooms.
Family Restroom	95 sf	The family restroom will provide accessible facilities for use by families with children. Floor finish will be non-absorptive. The following utilities will be required: 110V, hot/cold water, sewer. The family restroom should be located near other public restrooms and the meeting rooms.

Lounge Area	700 sf	This space will serve as a gathering space for meetings and events in the meeting rooms. It will be a place for event attendees to relax or visit with others prior to or during breaks in meetings. The space will contain a variety of comfortable seating, end tables, display cases, etc. The following utilities will be required: 110V, cable TV, wireless. This lounge space should be located overlooking the Main Entry Atrium, and near meeting rooms and public restrooms.
Lounge Area	435 sf	This space will serve as a gathering space for meetings and events in the meeting rooms. It will be a place for event attendees to relax or visit with others prior to or during breaks in meetings. The space will contain a variety of comfortable seating, end tables, display cases, etc. The following utilities will be required: 110V, cable TV, wireless. This lounge space should be centrally located to the meeting rooms and near public restrooms.
Alumni Office	305 sf	This office will provide a presence for the WSU Alumni Association within the Rhatigan Student Center. 2-3 chairs for waiting should be provided as well as office furniture and file storage for 1 staff position. The following utilities are required: 110V, cable TV, voice/ data. This space should be located overlooking the Main Entry Atrium and adjacent to Lounge Area.
Student Advocate	280 sf	This space will accommodate the Student Advocate. Office furniture and file storage for 1 staff position, as well as a table and chairs for 5 people should be provided. The following utilities are required: 110V, cable TV, voice/data. This space should be located off the corridor, near the student group suites.
Food Service	840 sf	The Food Service space will be used for food serving and cleanup of catered meals. The room will have a non-absorptive floor finish. Fixed equipment includes: stainless steel counters and a three-compartment sink. Space will be provided for refrigerators, ice machines, coffee and tea brewers, etc.. The following utilities will be required: 110V 20 amp outlets, hot/cold water, sewer. The room should be located near the meeting rooms, and easily accessible from service elevators for catered food deliveries.

Storage	1520 sf	These rooms will provide space for storage of tables, chairs, podiums, etc., used in the meeting rooms. The space should be divided into multiple storage rooms in various locations so that there is storage space near each meeting room. Wide door openings should be provided to access the spaces. The following utilities will be required: 110V.

Third Floor —Renovated Spaces

General

Ballroom A	4,015 sf	Ballroom A will be a multi-purpose meeting/event space used for lectures, banquets, receptions, etc. The room will have hard-surface flooring. Design of the room should include provisions for projector mount, media podium, projection screen(s) and sound system for electronic presentations. The following utilities will be required: 110V, cable TV, voice/data, wireless. This room can be combined with Ballroom B via a movable wall to accommodate larger groups. This room should be located adjacent to the Lounge Area and Kitchen, near the public restrooms and southeast stair.
Ballroom B	3,465 sf	Ballroom B will be a multi-purpose meeting/event space used for lectures, banquets, receptions, etc. The room will have hard-surface flooring. Design of the room should include provisions for projector mount, media podium, projection screen(s) and sound system for electronic presentations. The following utilities will be required: 110V, cable TV, voice/data, wireless. This room can be combined with Ballroom A via a movable wall to accommodate larger groups. This room should be located adjacent to the Lounge Area and Kitchen, near the public restrooms and southeast stair.
Ballroom Storage	380 sf	This room will provide space for storage of tables, chairs, podiums, decorations, etc., used in the ballrooms. The following utilities will be required: 110V. A wide door opening should be provided to access the space. The ballroom storage should be directly accessible from each ballroom.

Kitchen	900 sf	The Kitchen will be used for food serving and cleanup of catered meals. The room will have a non-absorptive floor finish. Fixed equipment includes: stainless steel counters and a three-compartment sink. Space will be provided for refrigerators, ice machines, coffee and tea brewers, etc.. The following utilities will be required: 110V 20 amp outlets, hot/cold water, sewer. The room should be have direct access to both ballrooms, and be easily accessible from service elevators for catered food deliveries.
Meeting Room	1,360 sf	The Meeting Room will be a multi-purpose large group meeting/conference room. The room will be carpeted and will contain tables and chairs. Design of the room should also include provisions for projector mount, projection screen and media podium for electronic presentations. The meeting room can be opened to the adjacent Lounge Area via a movable wall to accommodate larger groups. The following utilities will be required: 110V, cable TV, voice/data. This room should have direct access to storage space and lounge area, and be located near public restrooms.
Storage	720 sf	This room will provide space for storage of tables, chairs, podiums, decorations, etc., used in the ballrooms and meeting room. The following utilities will be required: 110V. A wide door opening should be provided to access the space. The storage room should be located near the ballrooms and meeting room.
Conference Room	465 sf	The Conference Room will be a space used for small-group meetings and presentations. The room will be carpeted and will contain a conference table and chairs for 20 people. Design of the room should include provisions for projector mount and projection screen for electronic presentations. The following utilities will be required: 110V, cable TV, voice/data. This room should overlook the Main Entry Atrium and be located off the Lounge Area.

Lounge Area	2,150 sf	This space will serve as a gathering and staging space for events in the ballrooms and meeting rooms. It will be a place for event attendees to relax or visit with others prior to or during breaks in events. The space will contain a variety of comfortable seating, end tables, display cases, etc. The following utilities will be required: 110V, cable TV, wireless. This lounge space should be located overlooking the Main Entry Atrium, directly outside the ballrooms and near other meeting rooms.
Lounge Area	220 sf	This small lounge area will serve as a gathering space for events. The space will contain a variety of comfortable seating. The following utilities will be required: 110V, cable TV, wireless. This lounge space should be located directly outside the public restrooms and near the southeast stair.
Public Restrooms	2 x 430 sf	The public restrooms will provide accessible facilities for users of the ballrooms and meeting rooms. The restrooms should contain adequate facilities to accommodate maximum utilization of the ballroom. Floor finish will be non-absorptive. The following utilities will be required: 110V, hot/cold water, sewer. The restrooms should be located adjacent to the elevator lobby and near the ballrooms.
Family Restroom	55 sf	The family restroom will provide accessible facilities for use by families with children. Floor finish will be non-absorptive. The following utilities will be required: 110V, hot/cold water, sewer. The family restroom should be located near the public restrooms and the ballrooms.

Estimated Construction Costs

Basement

Renovation					
Office	5,365 sf	x	$115 / sf	= $ 616,975	
Recreation	8,730 sf	x	$105 / sf	= $ 916,650	
Circulation/Misc.	1,030 sf	x	$105 / sf	= $ 108,150	
Restrooms	665 sf	x	$150 / sf	= $ 99,750	
New Addition					
Stairs	855 sf	x	$180 / sf	= $ 153,900	
Basement Total					**$1,895,425**

First Floor

Renovation					
Lounge	7,635 sf	x	$105 / sf	= $ 801,675	
Circulation/Misc.	16,135 sf	x	$105 / sf	= $1,694,175	
Restrooms	850 sf	x	$150 / sf	= $ 127,500	
New Addition					
Office	1,470 sf	x	$185 / sf	= $ 271,950	
Dining	1,620 sf	x	$185 / sf	= $ 299,700	
Lounge	2,810 sf	x	$180 / sf	= $ 505,800	
Circulation/Misc.	6,535 sf	x	$180 / sf	= $1,176,300	
Restrooms	860 sf	x	$225 / sf	= $ 193,500	
Elevators	2 ea	x	$50,000	= $ 100,000	
First Floor Total					**$5,170,600**

Second Floor

Renovation					
Office	11,035 sf	x	$115 / sf	= $1,269,025	
Meeting Rooms	8,380 sf	x	$117 / sf	= $ 980,460	
Lounge	440 sf	x	$105 / sf	= $ 46,200	
Circulation/Misc.	8,695 sf	x	$105 / sf	= $ 912,975	
Restrooms	630 sf	x	$150 / sf	= $ 94,500	
New Addition					
Office	5,580 sf	x	$185 / sf	= $1,032,300	
Meeting Rooms	5,470 sf	x	$195 / sf	= $1,066,650	
Lounge	700 sf	x	$180 / sf	= $ 126,000	
Circulation/Misc.	7,515 sf	x	$180 / sf	= $1,352,700	
Restrooms	595 sf	x	$225 / sf	= $ 133,875	
Elevators	2 ea	x	$50,000	= $ 100,000	
Second Floor Total					**$7,114,685**

Third Floor

Renovation					
Ballroom	7,480 sf	x	$112 / sf	= $ 837,760	
Meeting Rooms	1,360 sf	x	$117 / sf	= $ 159,120	
Circulation/Misc.	4,505 sf	x	$105 / sf	= $ 473,025	
Restrooms	55 sf	x	$175 / sf	= $ 9,625	

Third Floor (continued)

New Addition

Meeting Rooms	470 sf	x	$195 / sf	= $ 91,650	
Lounge	2,370 sf	x	$180 / sf	= $ 426,600	
Circulation/Misc.	2,340 sf	x	$180 / sf	= $ 421,200	
Restrooms	860 sf	x	$225 / sf	= $ 193,500	
Elevators	2 ea	x	$50,000	= $ 100,000	
Third Floor Total					**$2,712,480**

Site

East Canopy/Patio	= $ 375,000	
Site Work	= $ 190,000	
Utility Relocation	= $ 250,000	
Site Total		**$ 815,000**

Other

Kitchen Equipment	= $ 155,000	
Fire Protection	= $ 665,000	
Mechanical/Electrical Upgrades	= $ 425,000	
Freight Elevator Upgrades	= $ 150,000	
Boiler Replacement	= $1,500,000	
Other Total		**$2,895,000**

Subtotal		**$20,603,190**
General Contractor Overhead & Profit	**10%**	**$2,060,320**
Total Estimated Construction Costs		**$22,663,510**

Estimates do not include furniture, architecture/engineering design fees, site surveys, geotechnical testing, plan review fees or building permits.

Project costs are estimated using Quarter 4 2009 pricing.

Pricing does not reflect a bona fide bid. Pricing is a projection of where prices may come in, using historical databases, national standards, and local contractors.

Estimated Project Budget

Estimated Construction Costs (IncludesFixed Equipment)	**$22,663,510**
Project Contingency (8%)	$1,813,080
Allowance A/E Fees (7%)	$1,586,445
Allowance FF&E (5%)	$1,133,175
Allowance / Miscellaneous	$1,200,000
Estimated Project Budget	**$28,396,210**

Estimated Project Schedule

The building design and engineering is estimated to occur in fiscal year 2011, and construction is estimated to occur during fiscal year(s) 2012-2013.

Servicing Renovated & Expanded Building

The annual maintenance and operation costs for the presently configured Rhatigan Student Center is the responsibility of the Wichita State University Union Corporation, dba Rhatigan Student Center. The annual maintenance and operation of the renovated and expanded building will remain the responsibility of said corporation.

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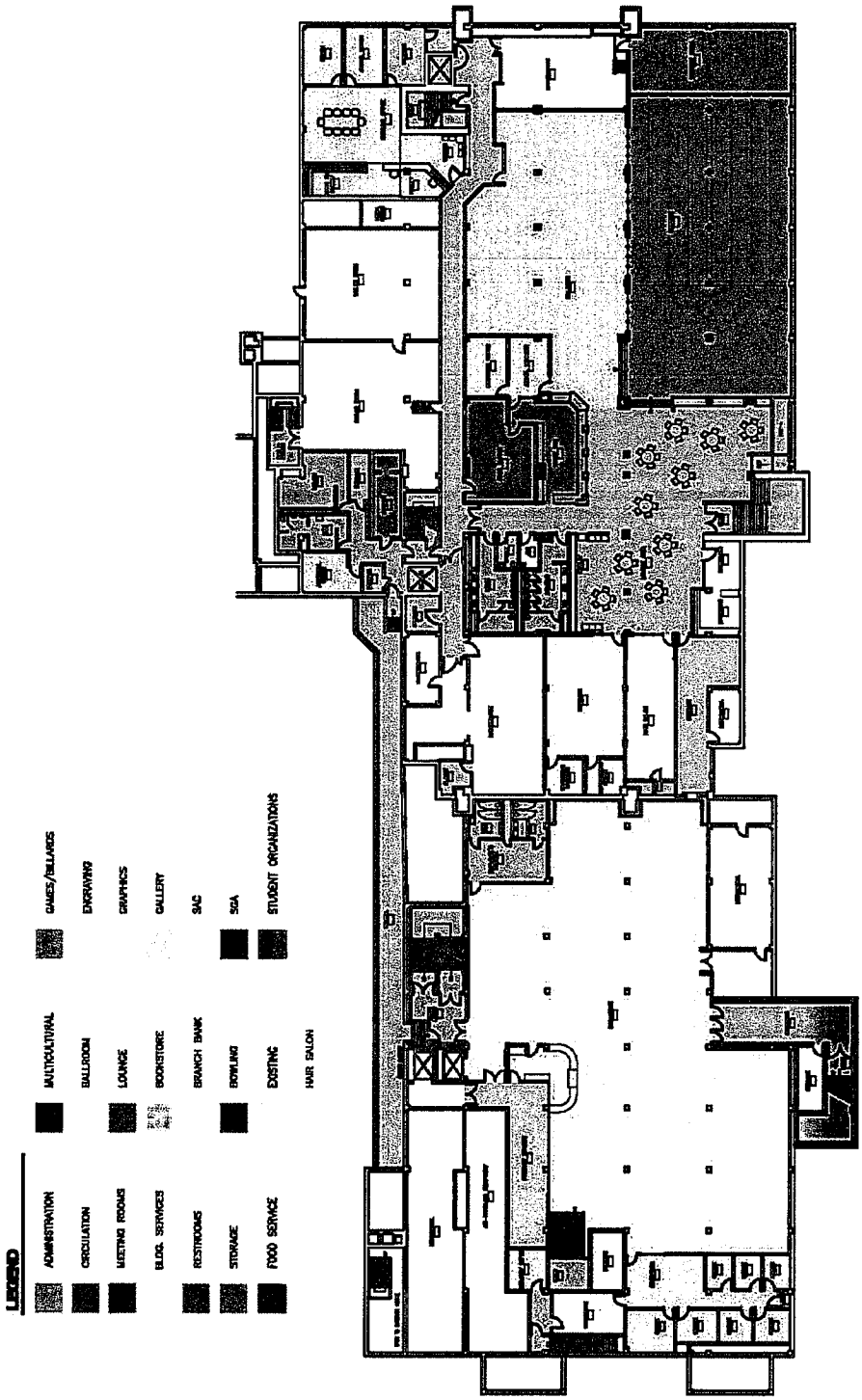
Project Location Map

-5-21

Conceptual Floor Plan



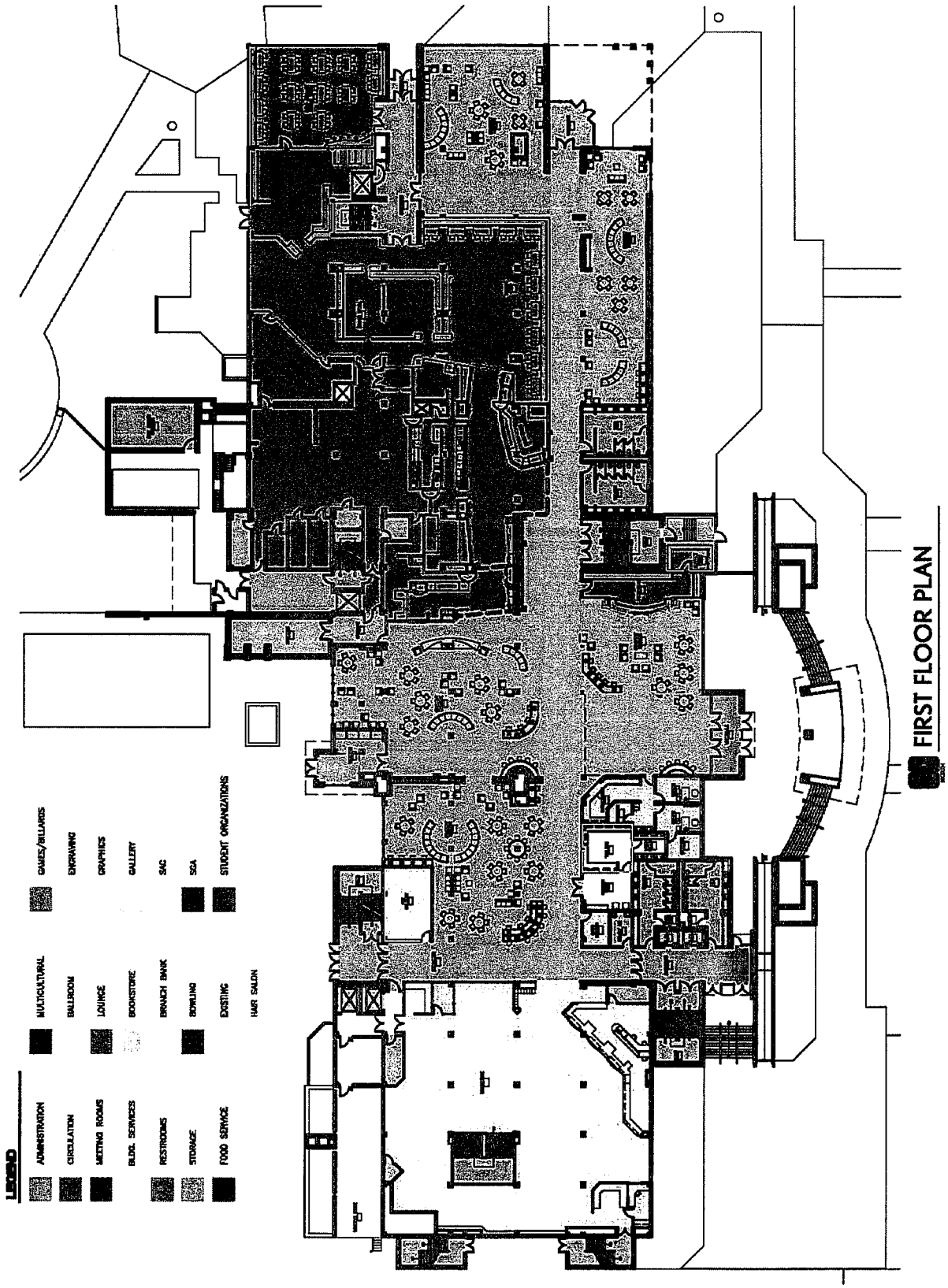
BASEMENT FLOOR PLAN

EDWARD+HELMER architecture

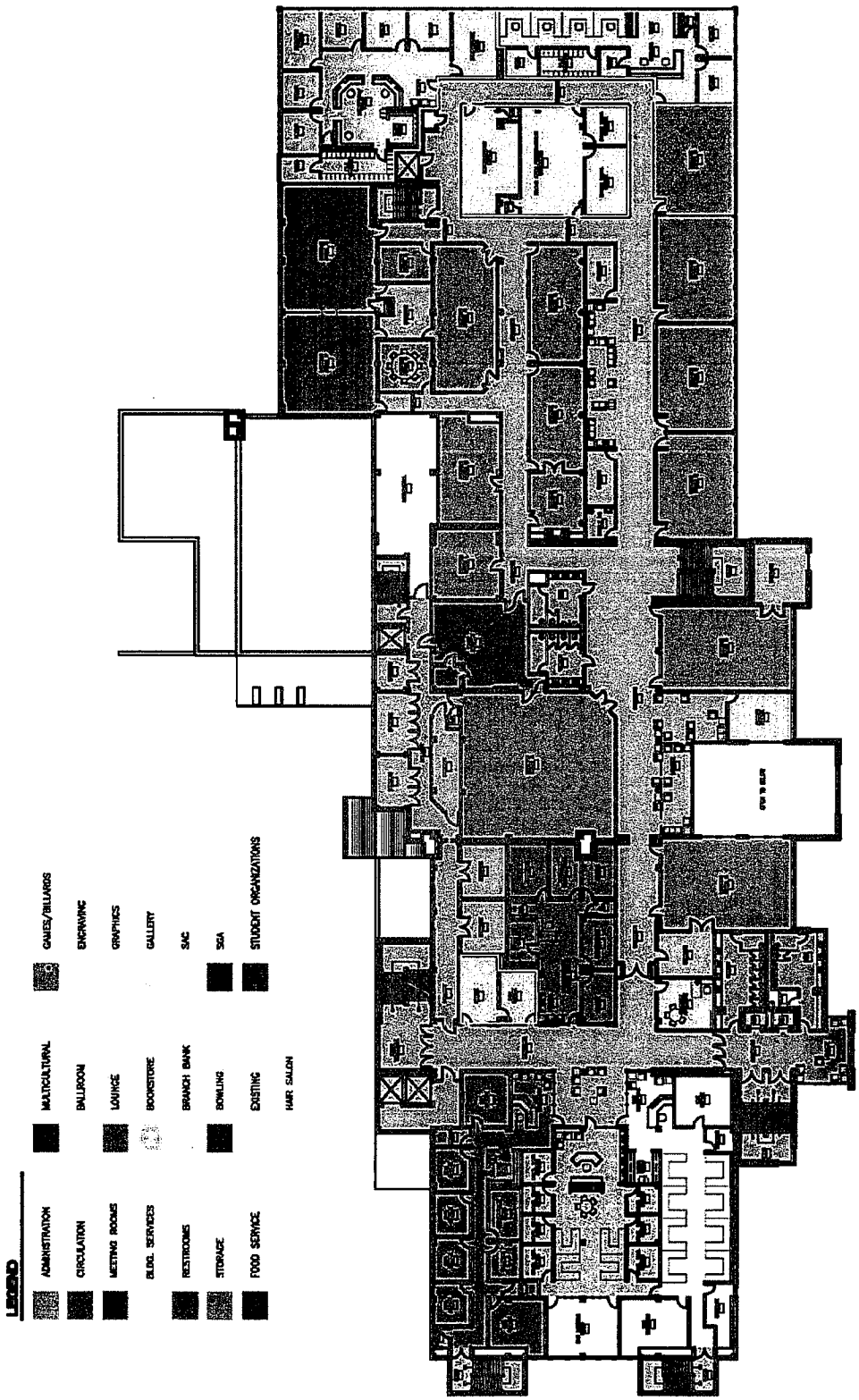
WICHITA STATE UNIVERSITY

E5-21

Conceptual Floor Plan



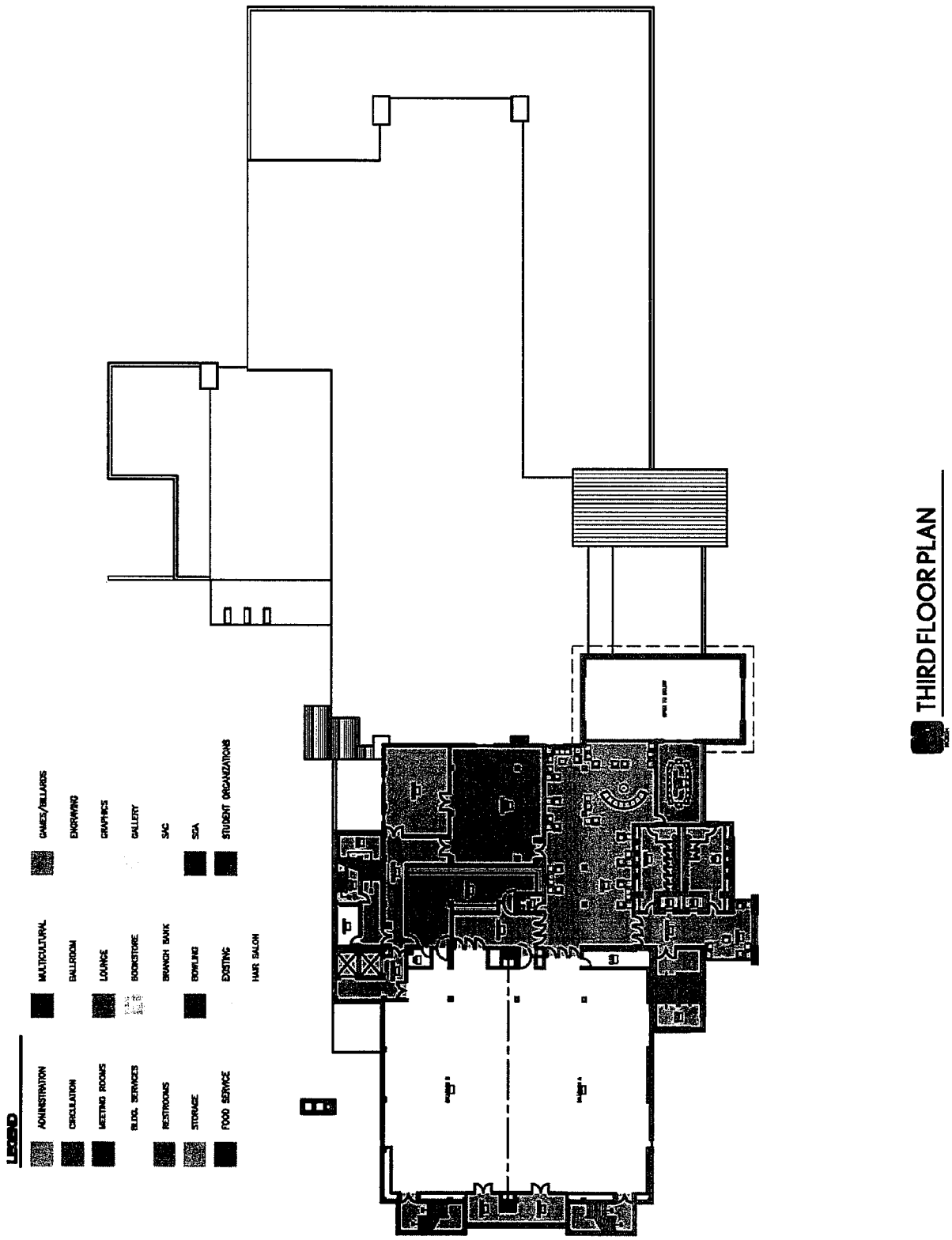
Conceptual Floor Plan



SECOND FLOOR PLAN

55-21

Conceptual Floor Plan

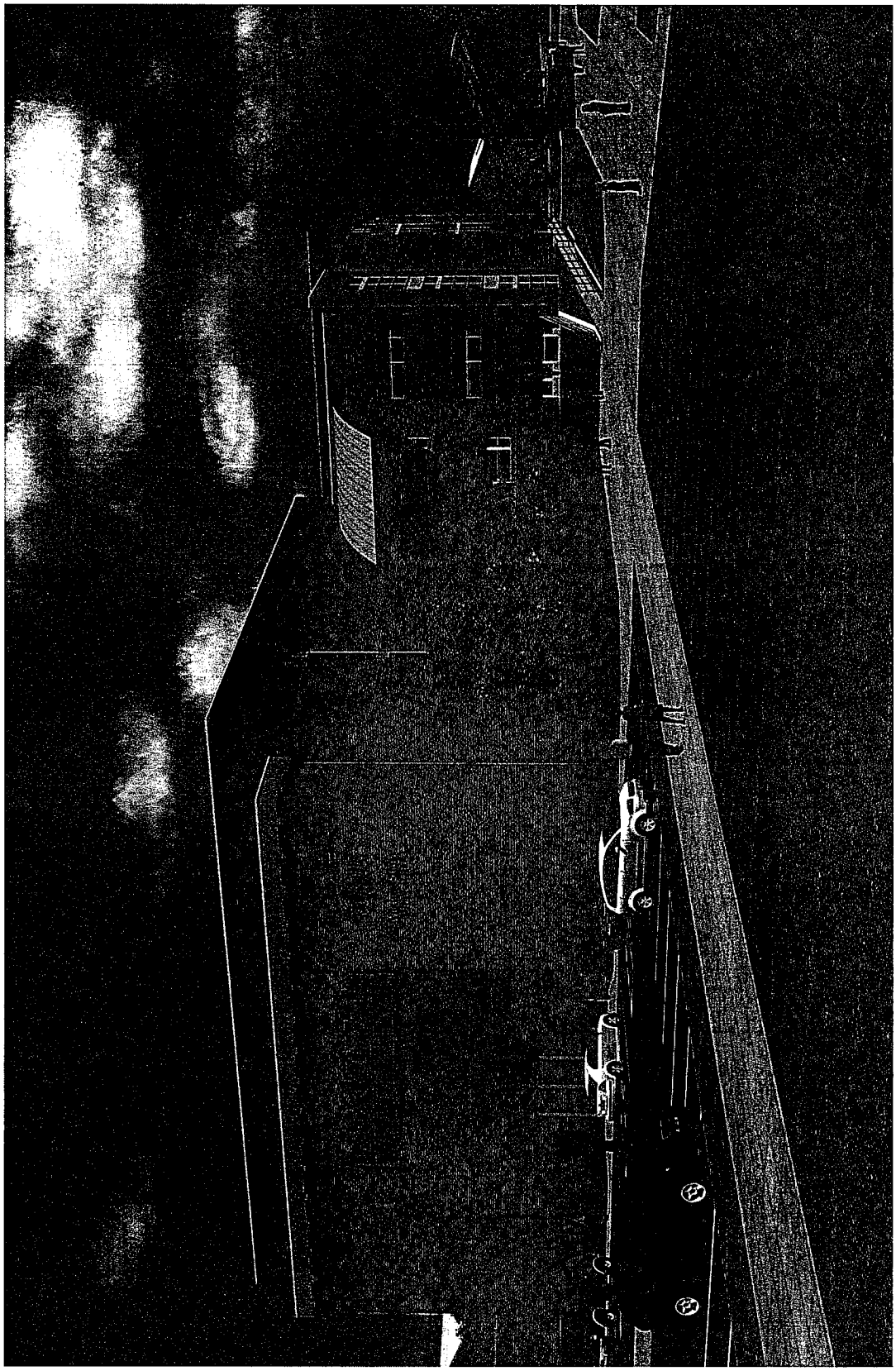


HOWARD+HELMER architecture

WICHITA STATE UNIVERSITY

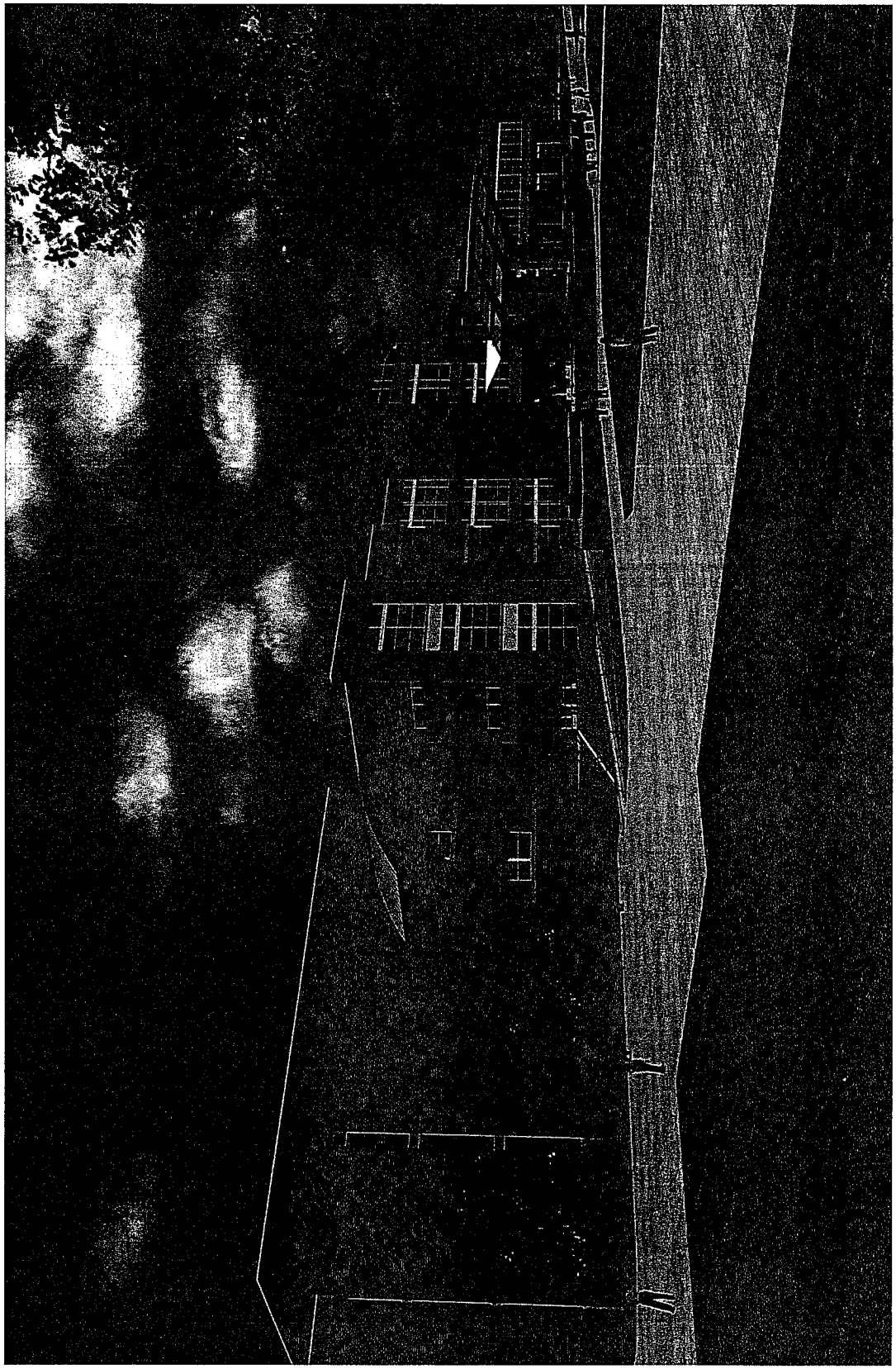
95-21

Conceptual Rendering



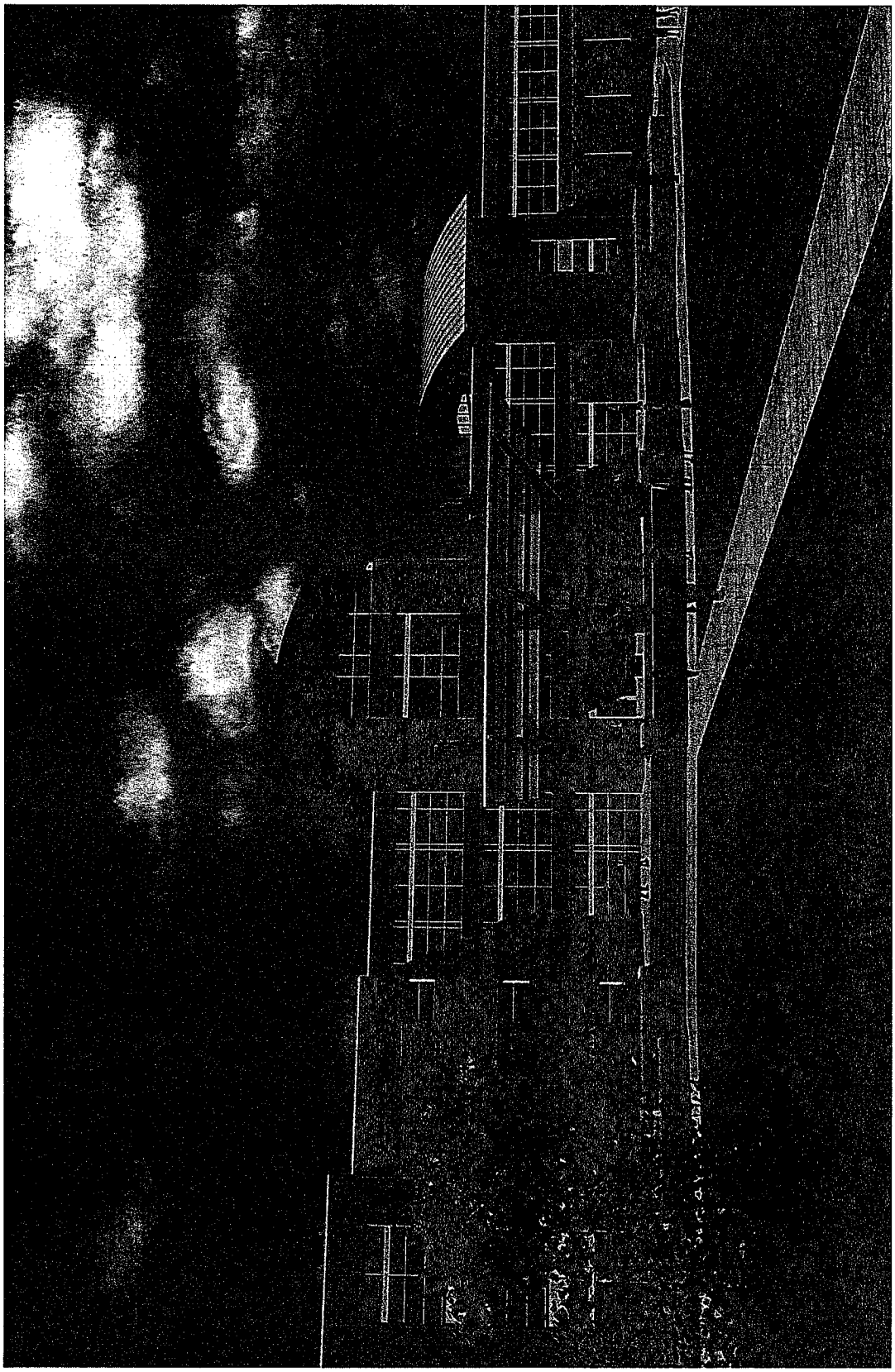
GS-C1

Conceptual Rendering



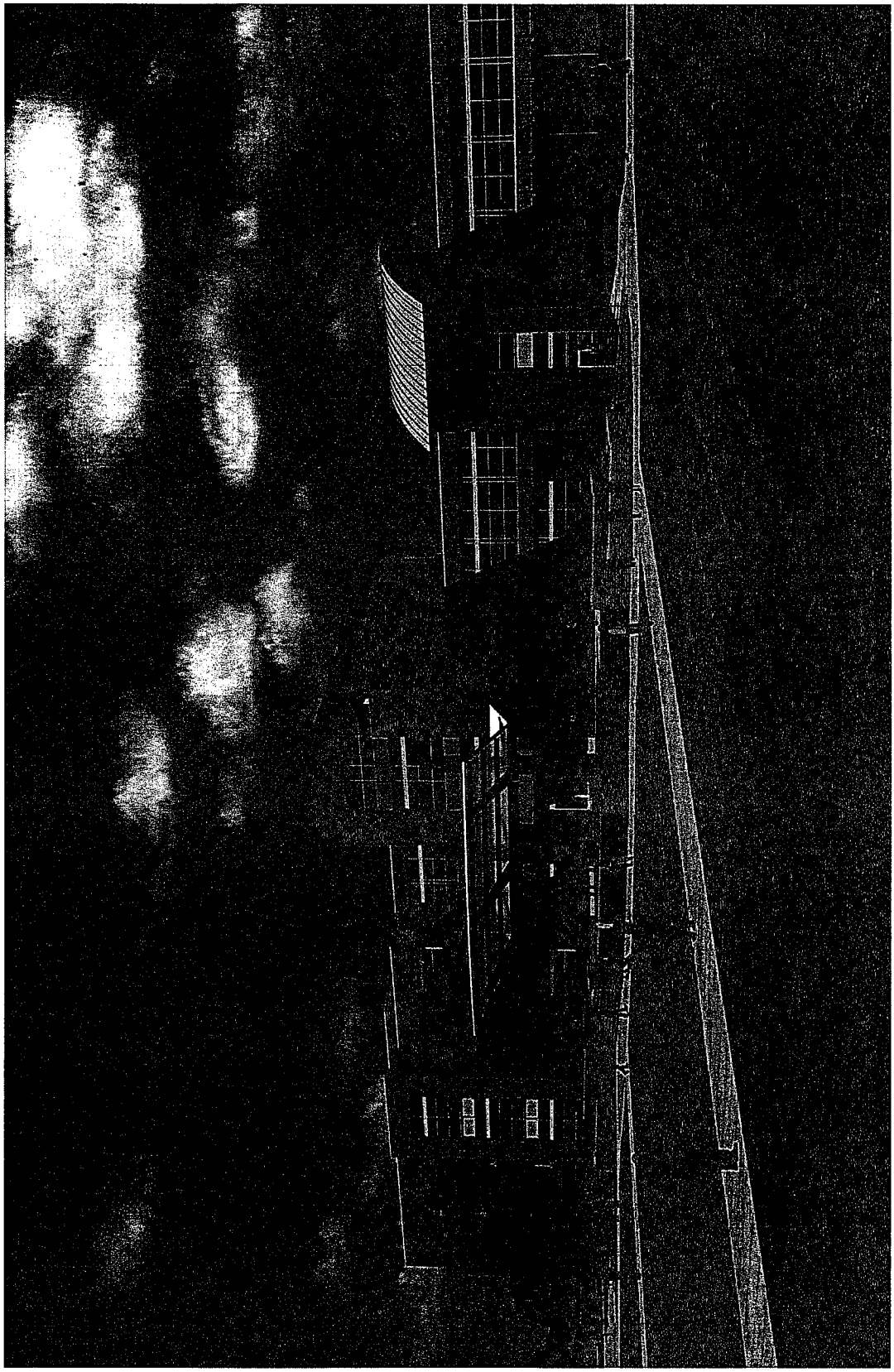
85-71

Conceptual Rendering



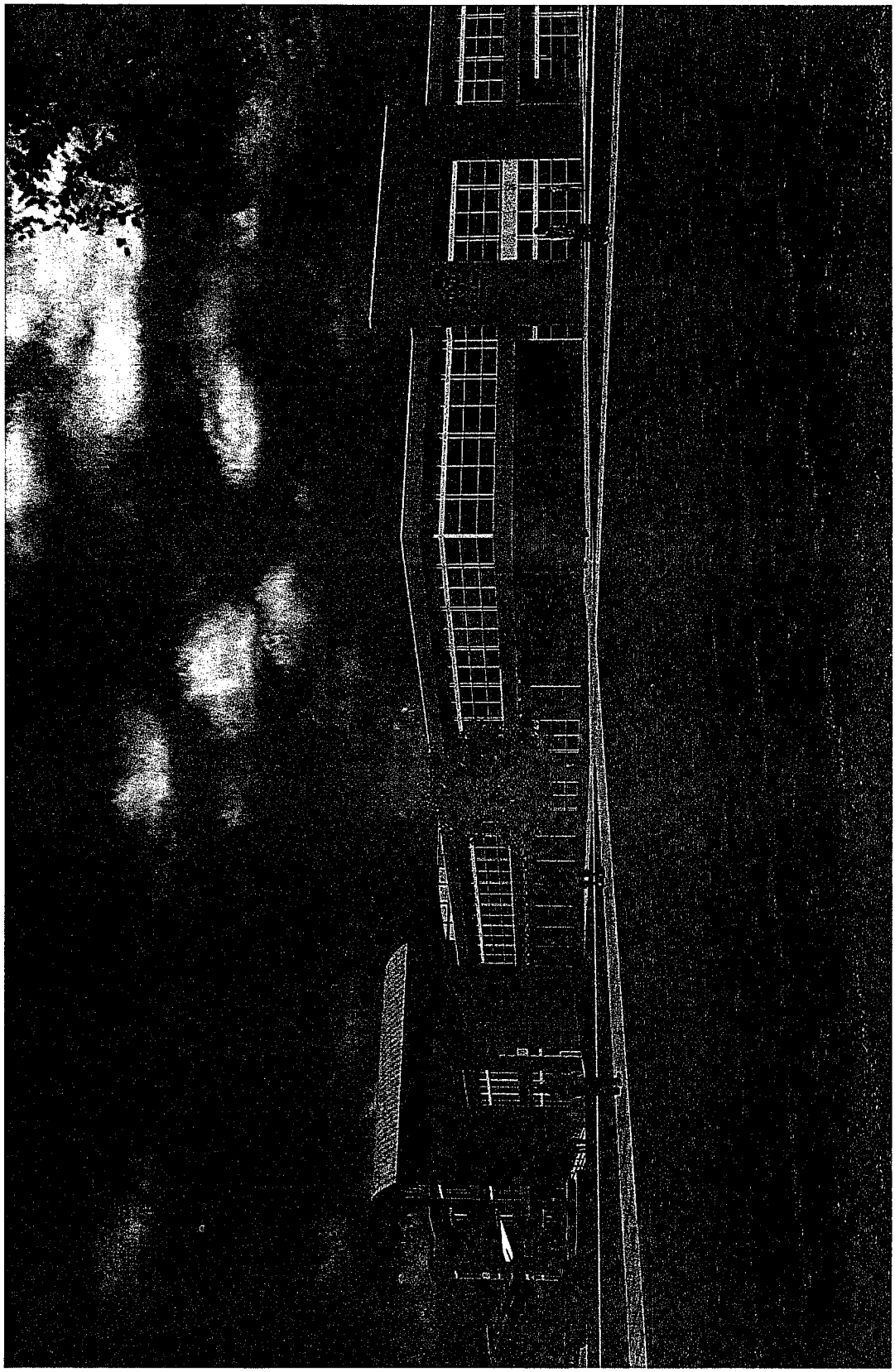
65-21

Conceptual Rendering



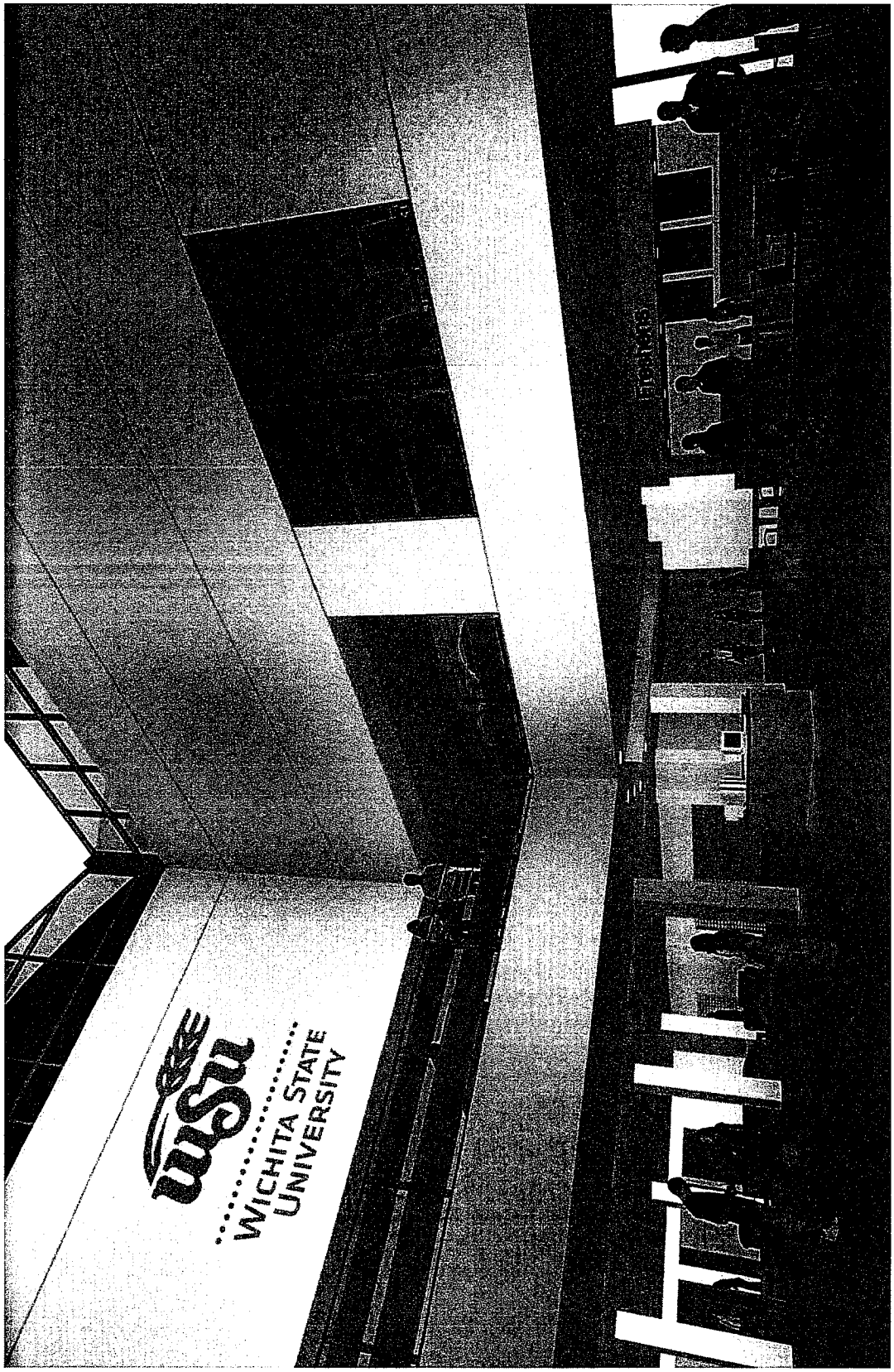
09-71

Conceptual Rendering



19-21

Conceptual Rendering



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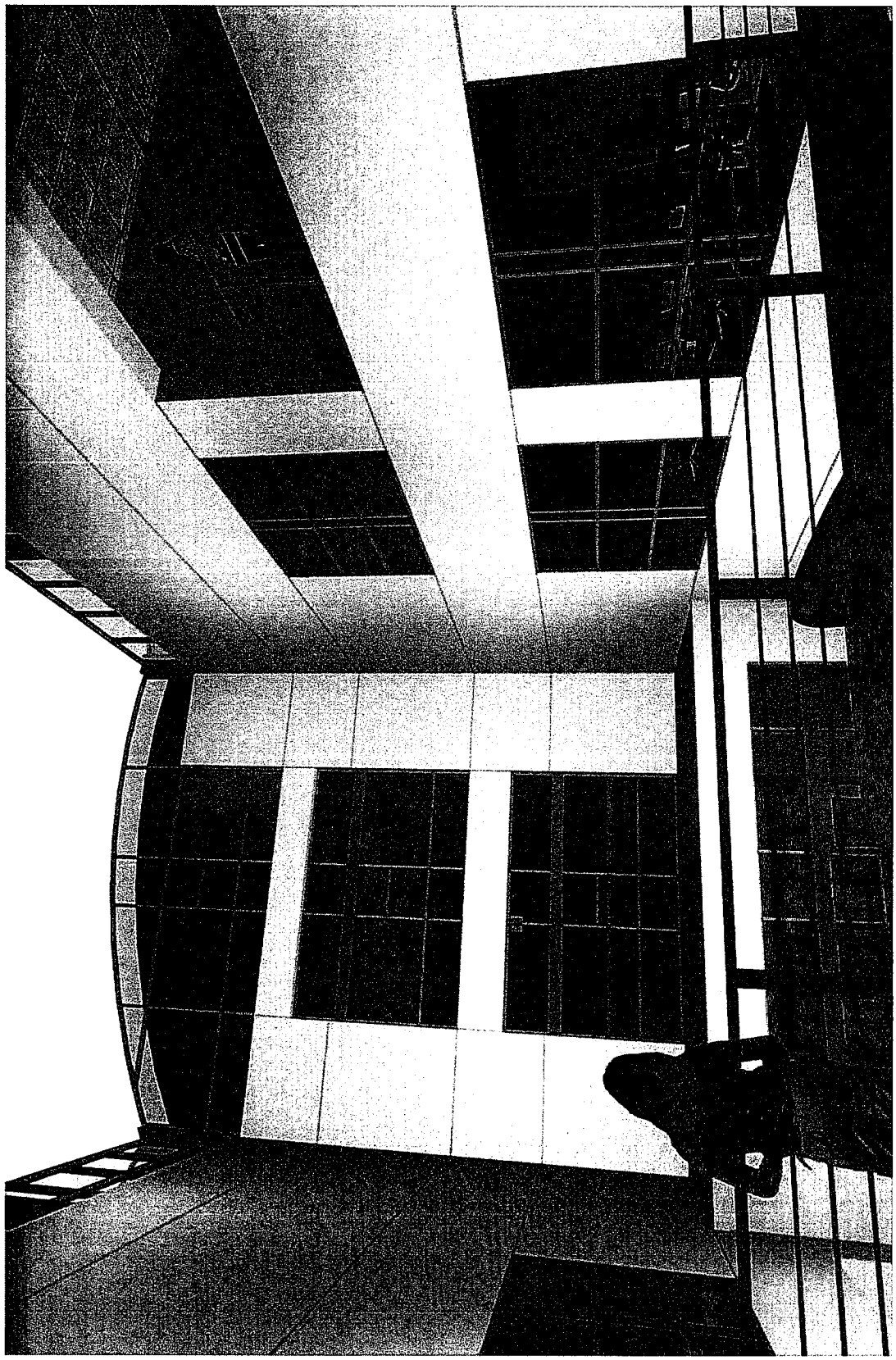
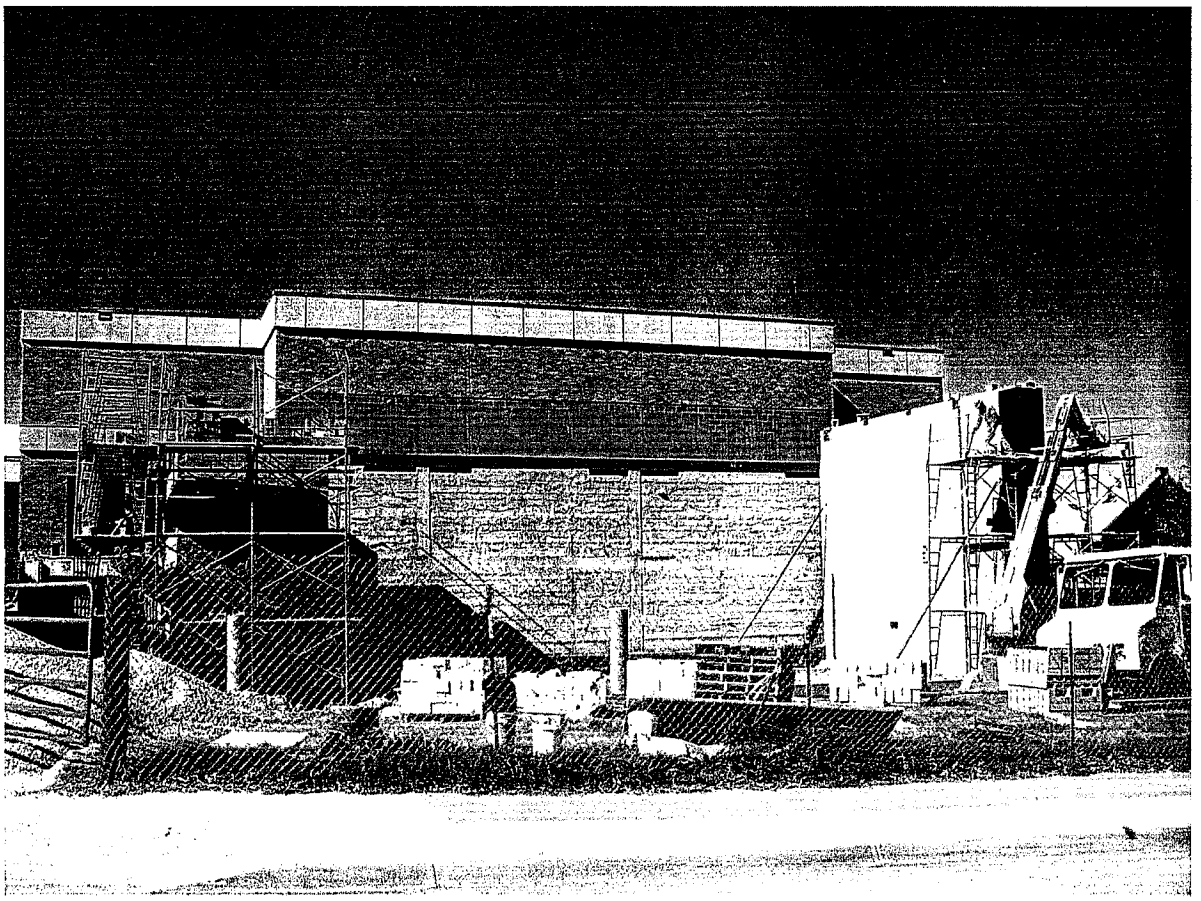




Presentation to

Joint Committee on State Building Construction

November 10, 2010

By

Ray Hauke, Vice President of Admin/ Fiscal Affairs

and

Mark Runge, Director of Facilities

Emporia State University

Attachment 13
JCSB 11-10-10

Summary of Presentation
To
Joint Committee on State Building Construction

by
EMPORIA STATE UNIVERSITY
November 10, 2010

Emporia State University 5-Year Maintenance Project List by Year

(as approved by Board of Regents May 2010)

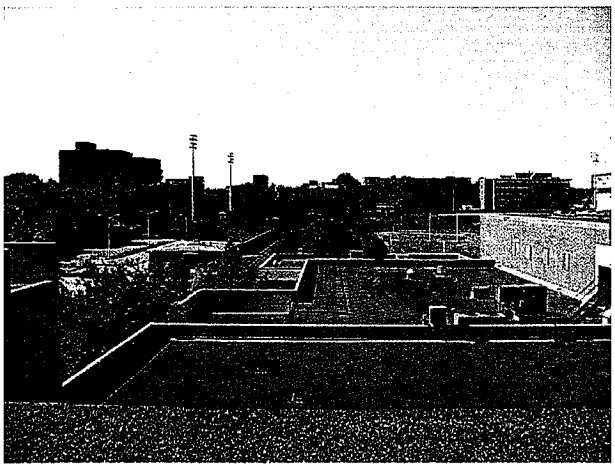
	FY 2008		FY 2009		FY 2010		FY 2011		FY2012	
	IMP	UI	IMP	UI	IMP	UI	IMP	UI	IMP	UI
PHYSICAL EDUCATION BUILDING										
ROOF REPLACEMENT	351,000	459,700								
HVAC REPAIRS/ REPLACEMENT										70,000
PLUMBING REPAIRS/REPLACEMENT										100,000
WILLIAM ALLEN WHITE LIBRARY										
HVAC REPAIRS/REPLACMENT	230,000		1,208,000	186,414						
ELECTRICAL REPAIRS/REPLACEMENT	410,000			186,000	109,000					
ELEVATOR REPAIRS/REPLACEMENT					22,856					
PARTITION REPAIRS/REPLACEMENT										
UTILITY TUNNELS										
REPAIRS/REPLACEMENT	399,000				530,624					
ROOSEVELT HALL										
FOUNDATION STABILIZATION/REPAIRS	212,000									
HVAC REPAIRS/REPLACEMENT	175,000				165,000	137,930				
PLUMBING REPAIRS/REPLACEMENT	35,000									
CREMER HALL										
ELEVATOR REPAIRS/REPLACEMENT						13,538				
KING HALL										
ELEVATOR REPAIRS/REPLACEMENT						17,832				
VISSER HALL										
HVAC REPAIRS/REPLACEMENT								170,000	354,000	
STORMONT MAINTENANCE BUILDING										
HVAC REPAIRS/REPLACEMENT										
POWER HOUSE										
ROOF REPLACEMENT									250,000	
SUBTOTALS By Fund and Year	1,812,000	459,700	1,208,000	372,414	827,480	169,300	0	170,000	604,000	170,000
SUBTOTALS By Year		2,271,700		1,580,414		996,780		170,000		774,000
GRAND TOTAL										5,792,894

IMP - Infrastructure Maintenance Fund (receives its revenue from State General Fund transfer)
UI - University Interest Fund

Physical Education Building - $ 980,700
(FY 2012 projected expenditures = $170,000)

Roof (FY 2008) (completed)	$810,700
HVAC Repairs/ Replacement (FY 2012)	70,000
Plumbing Repairs/ Replacement (FY 2012)	100,000

Before



After

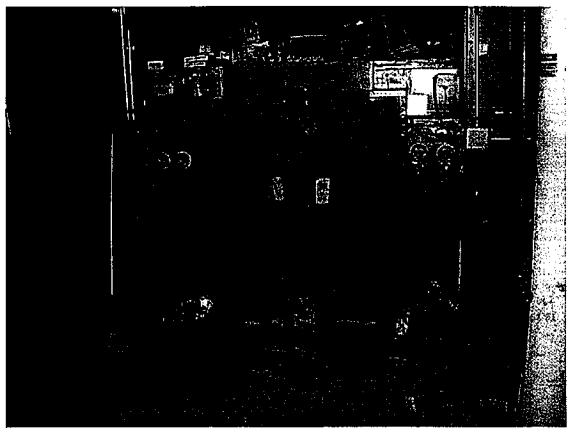
Roof Replacement (FY 2008) (completed)
This project allowed replacement of the existing roof system, which had failed and developed numerous leaks. A new roof system stopped the deterioration of interior finishes caused by the leaks. The project is now 100% complete.

HVAC Repair/ Replacement (FY 2012)
This is a partial funding of repairs and, if necessary, replacement of existing HVAC systems that are non-existent or in a state of disrepair that ceases to allow the system to operate properly. An evaluation will be completed to determine priorities and develop a scope of work to meet the limits of funding. The project was downsized by approximately $400,000 to accommodate reduced funding

Plumbing Repairs/ Replacement (FY 2012)
This is a partial funding of repairs and, if necessary, replacement of existing plumbing systems that are not operational or failing. Emphasis will be placed on the hot/cold water supply systems in locker rooms, the pumping/piping systems in the mechanical rooms and the water supply systems to the natatorium. An evaluation will be completed to determine priorities and develop a scope of work to meet the limits of reduced funding. The project was downsized by approximately $100,000 from original projections.

William Allen White Library - $2,352,270

HVAC Repairs/ Replacement (FY 2008, 2009) **(completed)**	$1,624,414
Electrical Repairs/ Replacement (FY 2008 - 2010) **(completed)**	705,000
Elevator Repairs/ Replacement (FY 2010) **(completed)**	22,856
Partition Repairs/ Replacement (FY2010) **(completed)**	0



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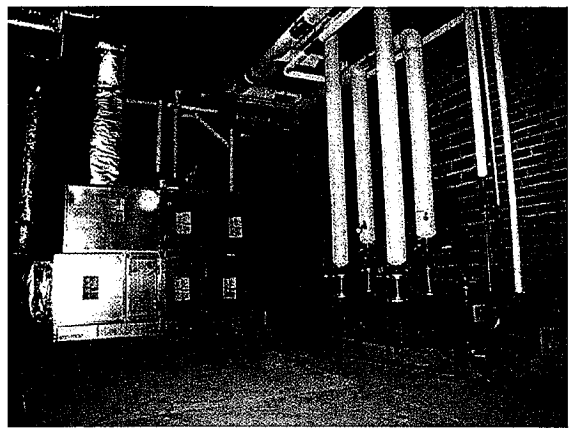


After

HVAC Repairs/ Replacement (FY 2008- FY 2009) (completed)
This project allowed replacement of the entire HVAC system in the 1951 portion of the building. The project was staged to minimize down-time for the library and School of Library and Information Management. Bid dates were staged to only necessitate closing the building for one semester and the summer. The building re-opened as scheduled in August 2009.

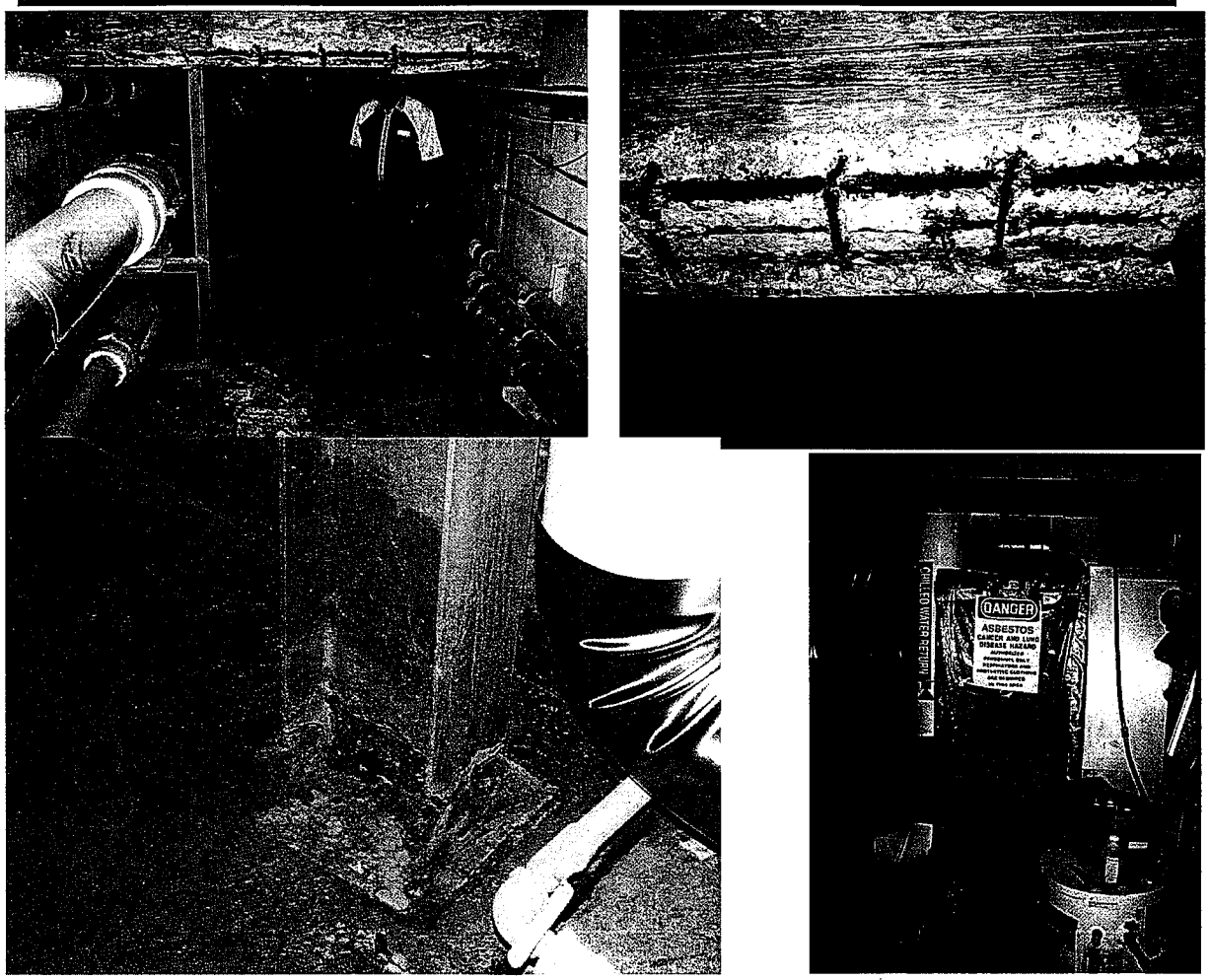
Electrical Repair/ Replacement (FY 2008-2010) (completed)
This project replaced the entire electrical distribution system and panels in the 1951 portion of the building.

Elevator Repairs/ Replacement (FY 2010) (completed)
This project allowed repair and replacement of equipment and controls in the south elevator.

Partition Repairs/ Replacement (FY 2010) (completed)
This project allowed repair and replacement of interior partitions, which required modification as a result of the HVAC and electrical repair projects described above. The project was completed alongside the HVAC and electrical repair projects and did not necessitate an additional year as originally anticipated.

Utility Tunnels - $ 929,624

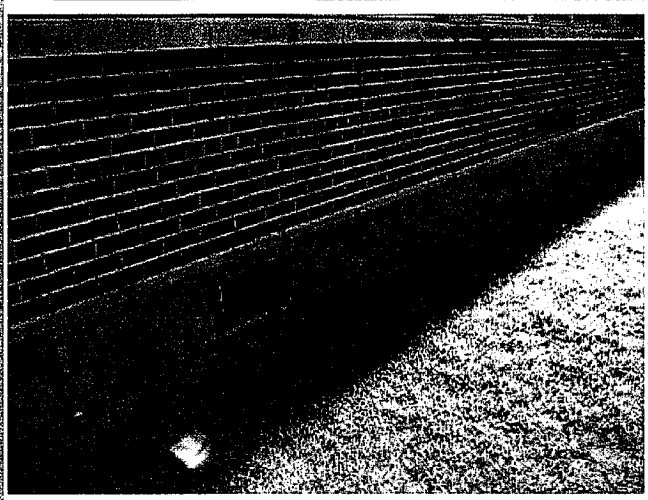
Asbestos Abatement and Engineering (FY 2008) **(completed)**	$399,000
Construction for Repairs/ Replacement (FY 2010) **(completed)**	530,624

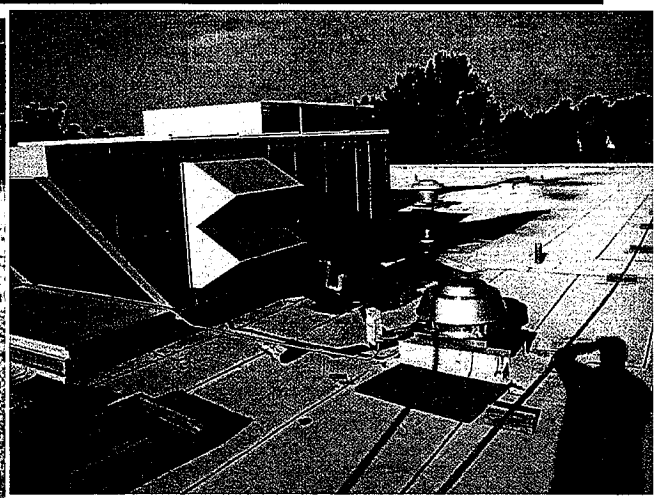


Utility Tunnels Repairs/ Replacement (FY 2008, FY 2010) (completed)
This project involved: (1) engineering analysis of utility conditions; (2) asbestos abatement of tunnels; and (3) tunnel repairs based upon the engineering analysis in FY 2008. Asbestos abatement and re-insulation of selected pipes also occurred in FY 2008. In house labor was utilized to replace selected valves and support footings. The remainder of the project included: replacement of deteriorated pipe/cabling supports; replacement of unreliable or non-operating utility main equipment; installation of water detection and drainage systems (to prevent flooding and water damage due to main breaks and infiltration); and structural repairs to the concrete walls, ceilings and floors. The goal of the project was improving tunnel conditions and expanding the life expectancy of the tunnel system for another 50-75 years. Based upon water main leaks in the tunnels, the University advanced portions of this project to FY 2010, using available balances from WAW and Roosevelt projects.

Roosevelt Hall - $ 724,930

Foundation Stabilization Repairs (FY 2008) (completed)	$212,000
HVAC Repairs/ Replacement (FY 2008, 2010) (completed)	477,930
Plumbing Repairs/ Replacement (FY 2008) (completed)	35,000



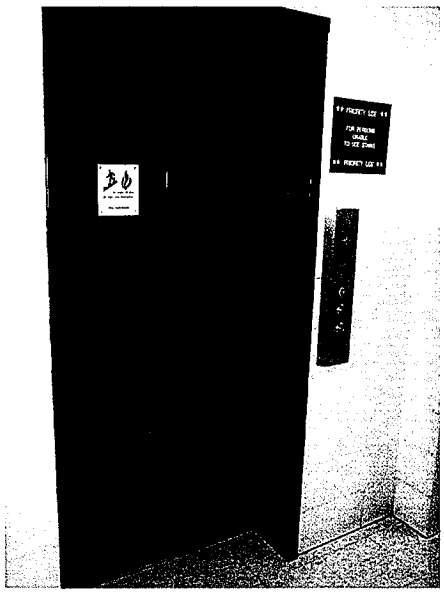


Foundation Stabilization/Repairs (FY 2008) (completed)
This project began in FY 2008 with asbestos abatement in the crawl space beneath Roosevelt and an engineering analysis of the Roosevelt Foundation. The Engineering Analysis revealed options for foundation stabilization, which were much less costly than originally anticipated. The foundation work was largely completed within funding authorized for FY 2008.

HVAC Repair/ Replacement (FY 2008, 2010) (completed)
This project began with FY 2008 replacement of rooftop HVAC units, duct fans and cabinets for $175,000. The remainder of the project ($302,930) was devoted to repair/ replacement of the supply and return air systems and in the various rooms of Roosevelt, during FY 2010 .

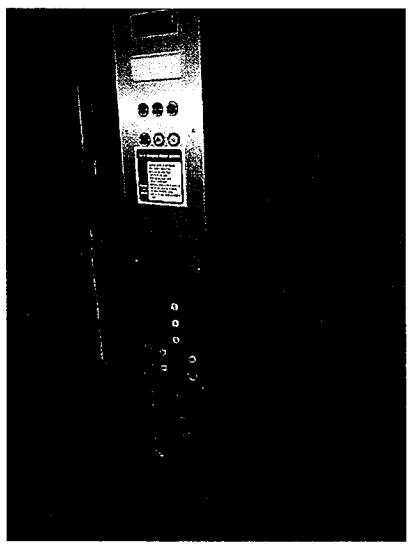
Plumbing Repairs/ Replacement (FY 2008) (completed)
This project allowed repair of sewer lines from the building to the city main.

Elevator Repair/ Replacement Cremer Hall - $13,538



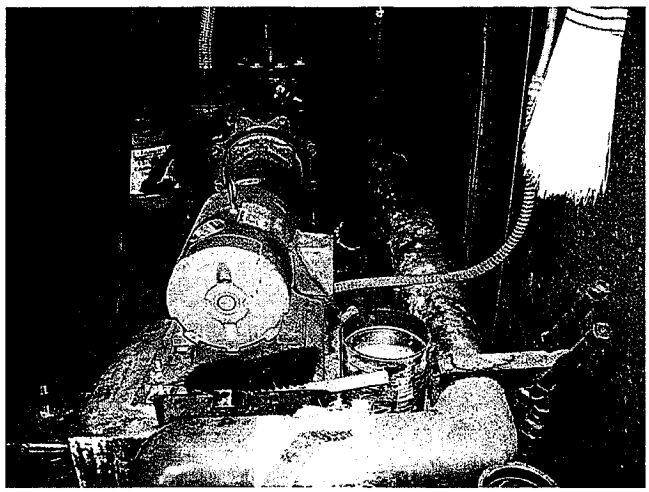
Elevator Repairs/ Replacement Cremer Hall (FY 2010) (completed)
This project involved repairs and equipment replacements to the existing elevator to sustain reliable service.

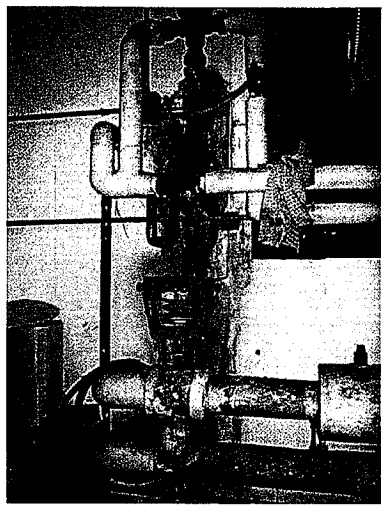
Elevator Repair/ Replacement King Hall - $17,832



Elevator Repairs/ Replacement King Hall (FY 2010) (completed)
This project involved repairs and equipment replacements to the existing elevator to sustain reliable service.

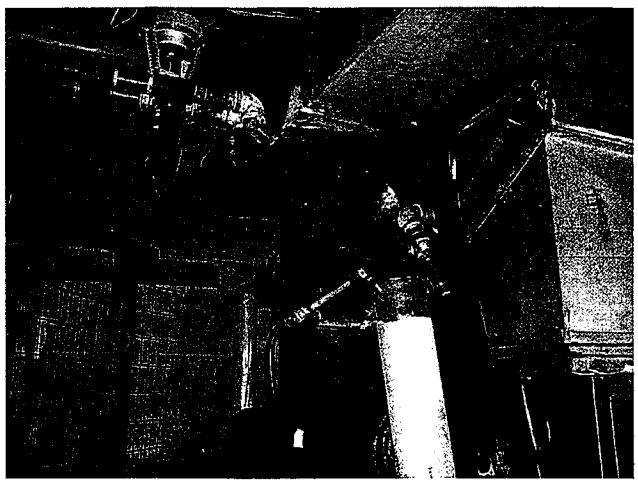
HVAC Repair/ Replacement Visser Hall - $ 524,000
(FY 2011 projected expenditures = $170,000)
(FY 2012 projected expenditures = $354,000)

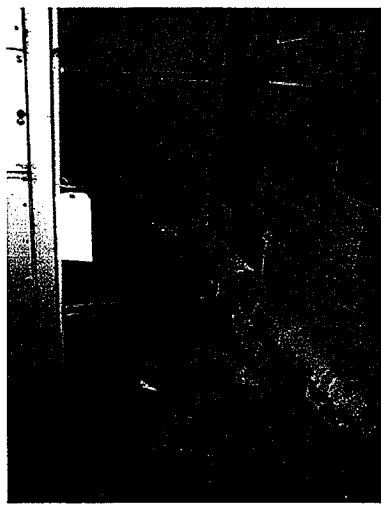




HVAC Repairs/ Replacement Visser Hall (FY 2011, FY 2012)
This project will finance replacement of the hot and cold water supply piping, serving the HVAC system throughout Visser Hall. Multiple leaks and analysis has shown major deterioration to the lines between the mechanical room and the multiple fan coil units. A complete replacement is necessary to these lines, which are approximately 40 years old. The project also involves update to building controls, which are original to the building construction.

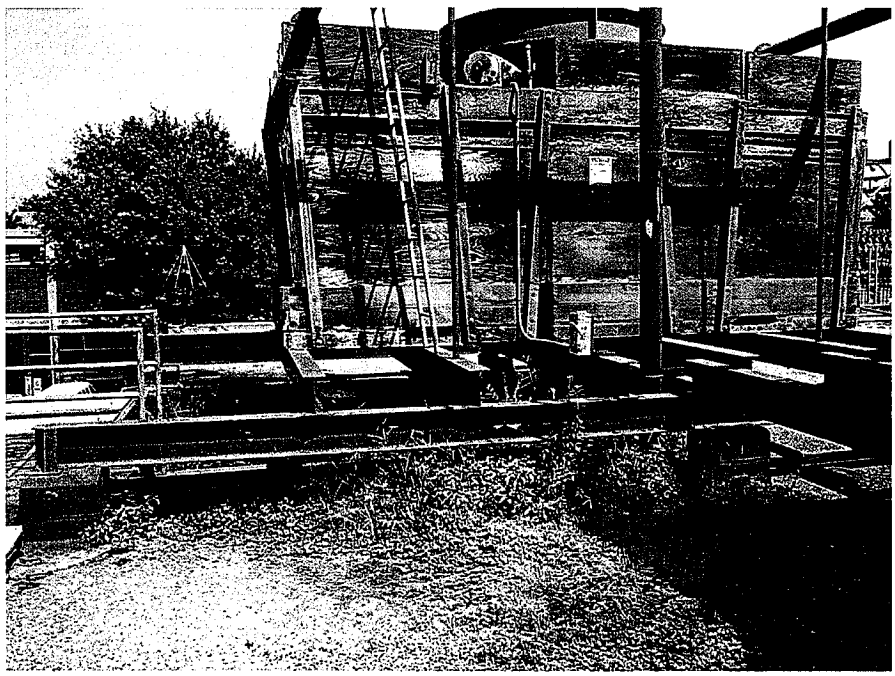
HVAC Repair/ Replacement Stormont Building - $300,000





HVAC Repairs/ Replacement Stormont Maintenance Building (FY 2012)
This project will finance replacement of the existing HVAC supply and distribution system throughout the Stormont Maintenance Building. Leaks and system failures are frequent in a system which is approximately 50 years old. The project was originally budgeted in FY 2011 but was deferred due to lack of funding. It is requested during FY 2012 from ARRA funds.

Roof Replacement Powerhouse - $250,000
(FY 2012 projected expenditures = $250,000)



Roof Replacement Powerhouse (FY 2012)

This project involves replacement of the existing roofing system at the Powerhouse building. It includes an area with an original asbestos panel roofing, which is becoming brittle due to age and weathering. A new roofing system will provide safer and more reliable protection for the building and the equipment/personnel it houses. The project was originally scheduled for FY 2011 but was deferred due to lack of funding. Additionally, the deferred maintenance budget is being supplemented by ARRA funds.

ARRA Funds for Deferred Maintenance (FY 2010) $1,605,321

Fume Hoods – Biology Labs (completed)	$360,012
Lighting Fixtures (nearly completed)	350,000
Window Replacement (nearly completed)	545,309
Network Wiring (nearly completed)	350,000

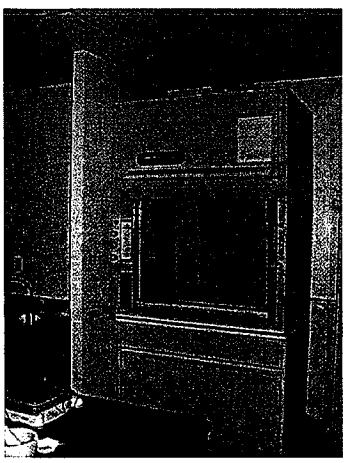
Fume Hoods – Biology Labs
This project involved replacement of fume hoods and related exhaust and ventilation equipment in the Biology labs of the Science Hall. The previous ventilation equipment was 43 years old and had become unserviceable. The updated hoods also provide more energy efficiency than those replaced.

Campus Light Fixtures
This project involves replacement of inefficient incandescent and T-12 fluorescent fixtures and lamps in campus buildings with new energy efficient T-8 Fluorescent fixtures and lamps. The project will focus on those areas where the highest levels of energy savings can be achieved through fixture replacement.

Campus Window Replacement
This project allowed replacement of all remaining single pane, non-insulated metal frame windows on the ESU campus. The most notable building receiving the treatment is William Allen White Library. The replacement windows are energy efficient double pane, thermal broke, insulated windows.

Campus Network Wiring
This project involves replacement of approximately half the original Type 1 network wiring on the campus. This wiring is insufficient to handle high speed communication demanded by state of the art computing and telecommunications equipment. Existing cabling is being replaced with Category 6 or 6E cabling.

New Windows White Library



New Fume Hoods –Biology Dept

13-11

ARRA Funds for Deferred Maintenance (FY 2011) $1,159,871

Morse Hall S.E. Piping Replacement	$500,000
Campus Light Fixtures	100,000
Stormont Maintenance Facility HVAC Replacement	300,000
Computer Center HVAC Replacement	200,000
HPER Building Underground Roof Drain Replacement	59,871
Total	$1,159,871

Morse Hall S.E. – Piping Replacement
This project will replace all of the building's piping systems. The existing systems are nearly 50 years old and have developed numerous leaks and failures. The project will include HVAC, domestic, and waste vent piping.

Campus Light Fixtures
This project involves continuance of the program begun in FY 2010. This phase will focus on exterior lighting, replacing existing incandescent, fluorescent, halide, mercury , and sodium fixtures with energy efficient LED units.

Stormont Maintenance Facility Replace HVAC System
This project will replace the existing HVAC system in Stormont Maintenance Facility with a new energy efficient system. The existing system is nearly 50 years old and is past its useful life.

Computer Center HVAC Replacement
This project involves replacement of the existing piece-meal air conditioning system, currently in use at the Cremer Hall data center.. The existing system is comprised of several individual units that work independently of each other. The existing system is highly inefficient and insufficient to adequately cool the multiple servers and electronic storage devices in the computer room.

HPER Building Underground Roof Drains
The existing underground roof drains appear to have collapsed and are not providing adequate drainage during recent heavy storms. The project will allow installation of a separate drain line to an above grade discharge site.

Existing Exterior Lighting

Air Conditioning in Computer Center

13-12

Deferred Maintenance - Request for Additional State Funds

What Remains In Addition to Approved Projects

-ESU is extremely appreciative of the program approved in 2007

-Allowed ESU to proceed with $5.8 million of high need projects

-Original plan reduced by $3.1 million, due to

-Rescissions in state transfer

-Reductions in interest earnings

-Important to view in context of what remains

-The Regents request additional funding for some of the differences

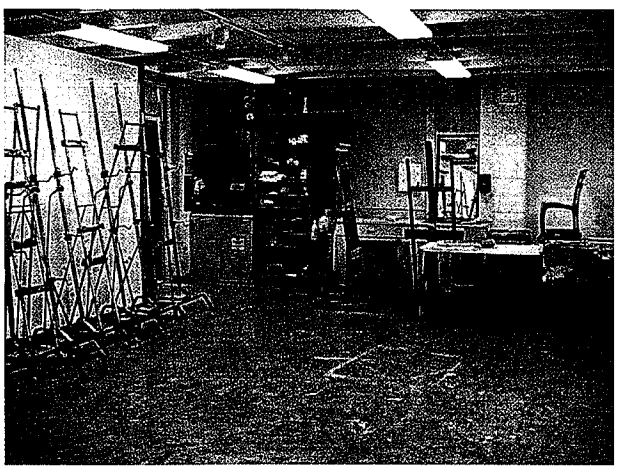
-ESU requests $5,830,000 from State General Fund - FY 2012

-Similar totals requested in subsequent years of 5 year plan

-Why a reasonable request

-Multiple projects which cannot be funded by the $5.8 million ESU will receive from program approved in 2007

King Hall Exterior



King Hall – Art Lab / Studio

13-13

Deferred Maintenance - Request for Additional State Funds

What Remains In Addition to Approved Projects

-High need projects for which financing not available within present allocation

-Remodeling of approximately 50 teaching laboratories

-Continued remodeling of classroom areas

-(Note areas renovated by Crumbling Classrooms program are now approximately 10-12 years old)

-Replacement of Fan Coil Units Science Hall and other academic buildings with newer more efficient units

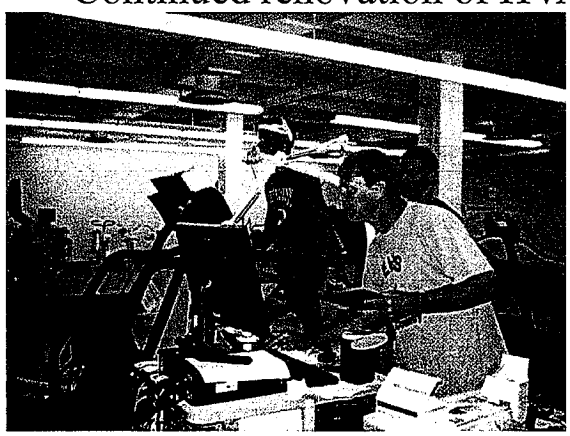
-Renovation of King Hall

-Space Planning and Interior Renovation of William Allen White Library

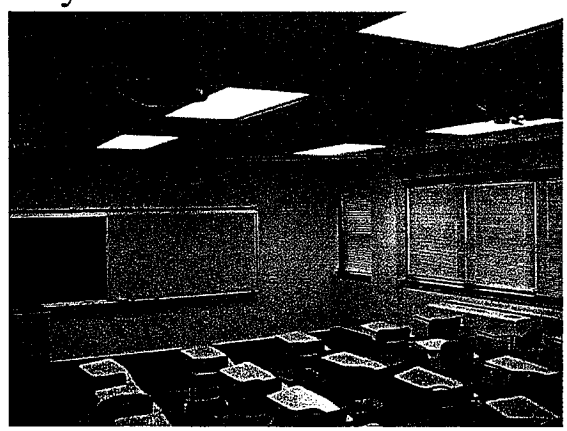
-Remodeling of Health Physical Education Building

-Continued replacement of lighting equipment

-Continued renovation of HVAC Systems/Controls



Teaching Labs in Health P.E. Building



Rusted Fan Coil Units – Science Hall

Renovate Memorial Union

- Project Underway, Estimated expenditures total $25 million
- Renovation includes major increase to efficient use of space
  - -Dining on two levels, rather than three, complete update of dining
  - -Relocation of Student Affairs offices to Memorial Union
  - -Improved access to bookstore
  - -Updates throughout and improved entrances, focus on student spaces
  - -Complete update to mechanical, electrical, and plumbing

-Relevant dates in the Memorial Union Timeline.

- April 22, 2010 Project advertised for bid in Kansas Register
  - Project architects, Treanor and Associates, Lawrence, Ks
  - Construction Manager, Ferrell and Co
- May 20, 2010 Bids Received

-June 9, 2010 Bond Pricing for $14.5 million revenue bonds, Series 2010J

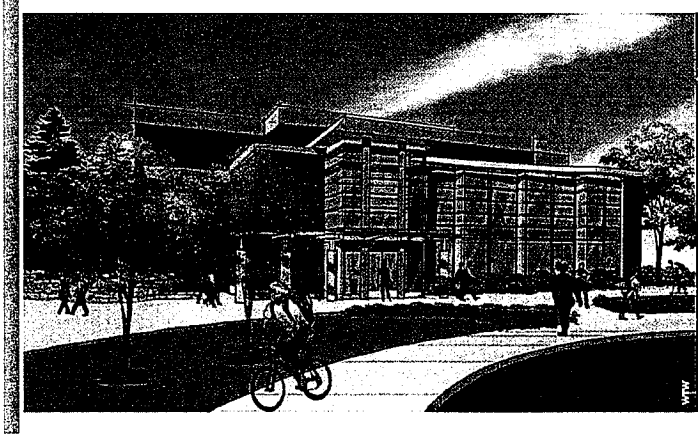
-June 23, 2010 Closing for Series 2010J revenue bonds

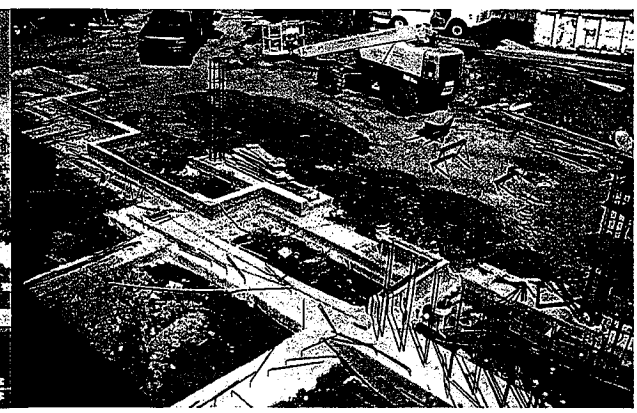
-January 2011

-Spring 2011, Move-in East Entrance, Webb Lecture Hall, Bookstore

-Summer 2011, Move-in Kitchen, Dining Areas

-Spring 2012, Project Completion



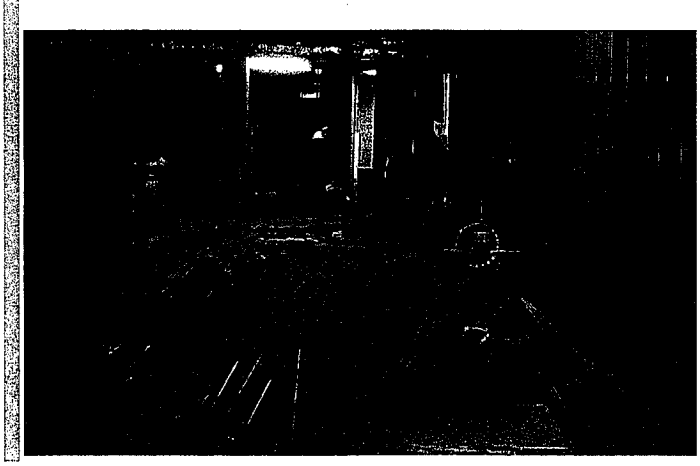


Memorial Student Union
Estimated Project Costs

Construction Budget		
Contracts and Encumbrances	$	16,076,941
Phase 2 Allowance	$	2,479,281
Estimated Construction	$	18,556,222
Professional Fees	$	1,934,715
Moveable Equipment & Relocation Costs	$	1,325,000
Environmental Abatement Allowance	$	723,013
Project Contingency	$	1,523,550
Miscellaneous Costs	$	967,500
Total Costs	$	25,030,000

Estimated Project Financing

Student Fees, MU Cash, and Gifts	$	10,530,000
Revenue Bonds	$	14,500,000



Parking Lot Improvements

-An Annual Request of the University

-Involves $450,000 from Parking Funds ($90,000 annually for the next 5 years)

-Continuing Resurfacing of Parking Lots

-Improvements to Parking Areas and Roads

Land Donated by ESU Foundation for Memorial Union Parking Lot

Repaired Section of West Lot

Lease of Metro Learning Center

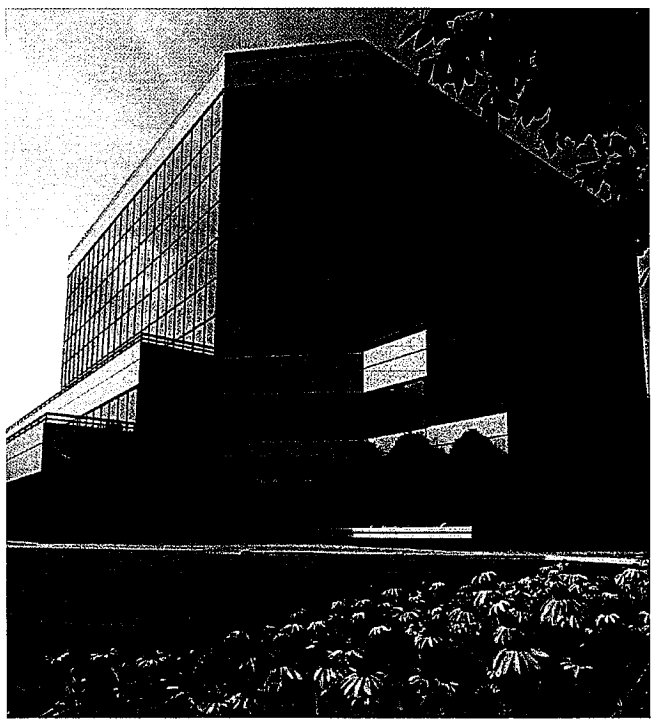
-Currently lease approximately 9,500 sq. ft.

-8400 SW 110th Street, Overland Park, Kansas

-Lease expires February, 2012

-Preparing an RFP to be circulated within upcoming month

-Will be coming to Joint Committee on State Building Construction



Current Lease of 9,500 sq ft
8400 W. 110th St., Overland Park, Ks

Remodel/Relocate Stormont Facility

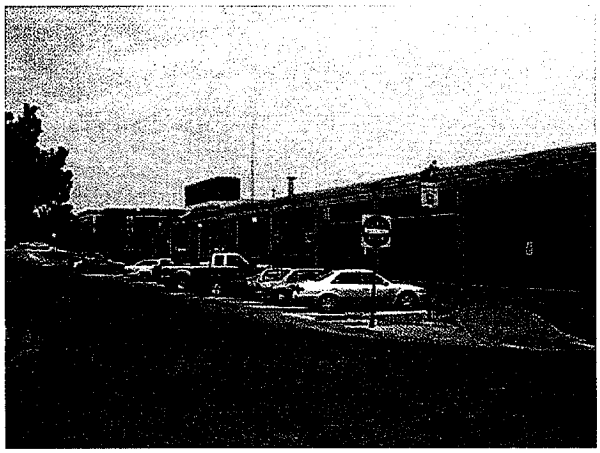
-Project involves relocating physical plant to edge of campus

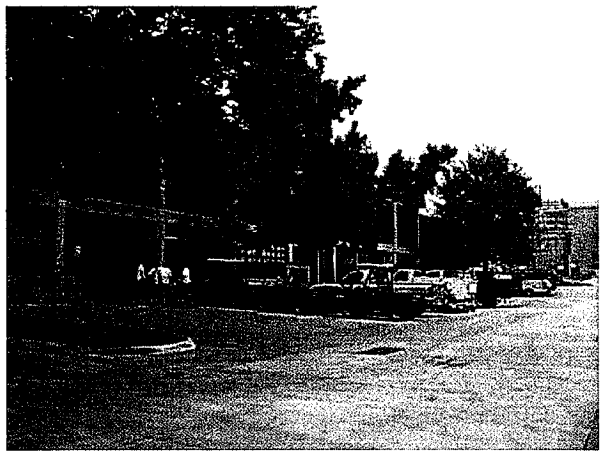
-Location of present physical plant compound

-Would be housed in pre-engineered metal building

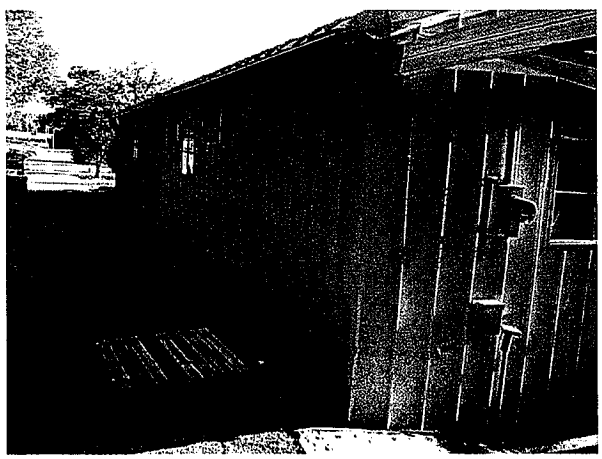
-Stormont building would be remodeled for art classes/labs

-Project estimated at $8.0-$10.0 million





Stormont Maintenance Facility To Become Space for Art Classrooms, Labs / Studios



Compound Area, Presently Storage and Greenhouses at East Campus Edge
Building Condition Codes of 50% – 60% on present structures

13-19

Addition and Remodeling
William A. White Library

-Major systems have been addressed in the Deferred Maintenance program

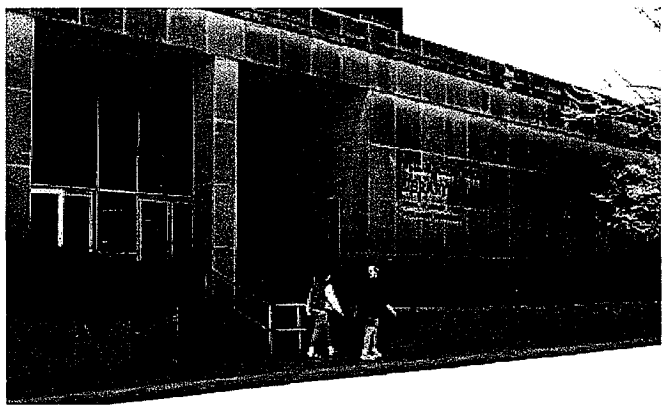
-Need for an addition and remodeling of the structure remains

-Accessibility exists, but not conveniently

-Improve location for School of Library and Information Management

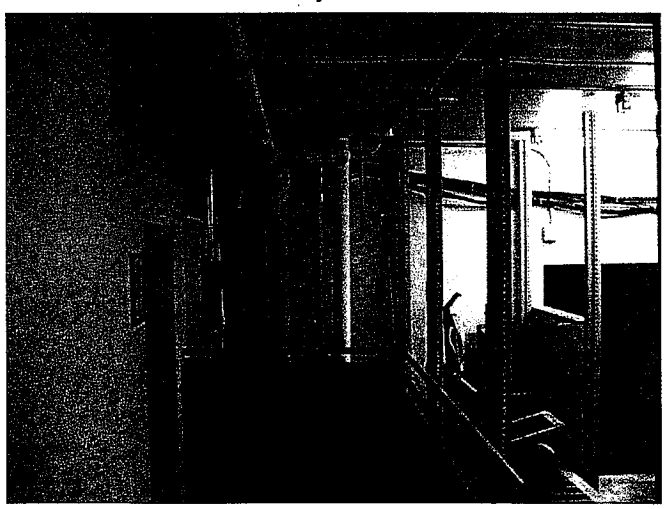
-Program plan calls for 20,000 sq. ft. addition

-Improve location for University Archives



W.A.W. Library Main Entrance

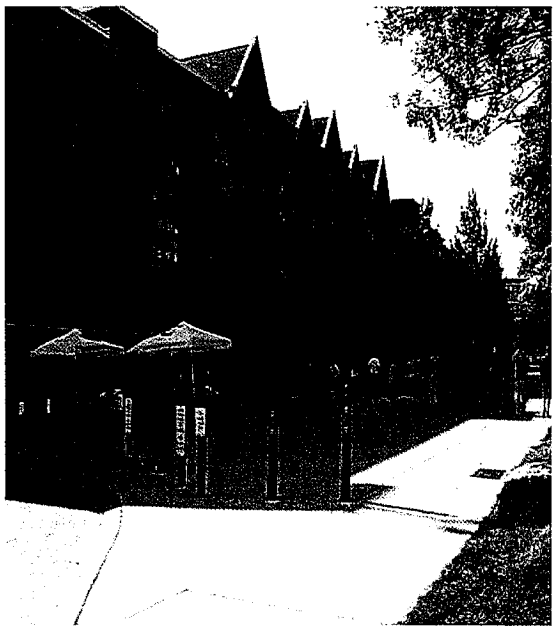
W.A.W. Library SLIM Entrance



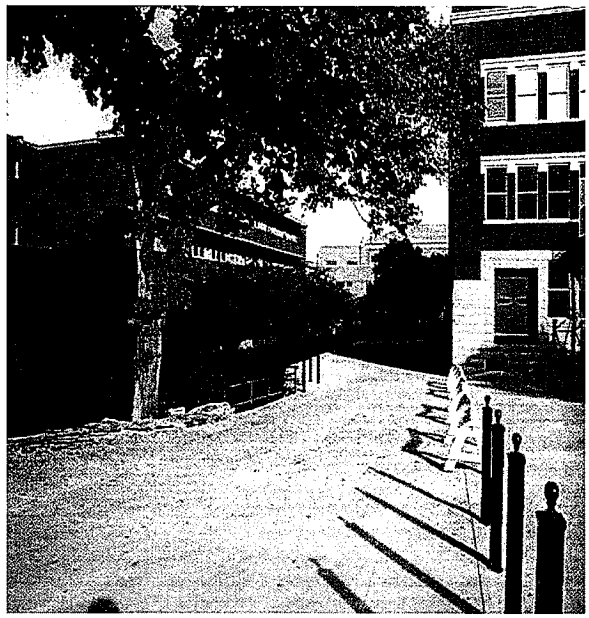
W.A.W. Interior Areas

Remodel or Replace Morse Residential Complex

- Preliminary discussions involve an $8.0 - $12.0 million renovation
- Largely mechanical/electrical/plumbing project
- Should require less remodeling than Towers
- Configuration will depend upon size and utilization of complex

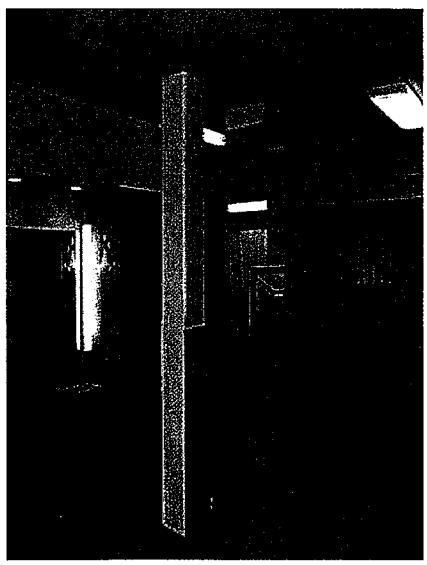


North - West Side of Morse Complex



South - East Side of Morse Complex

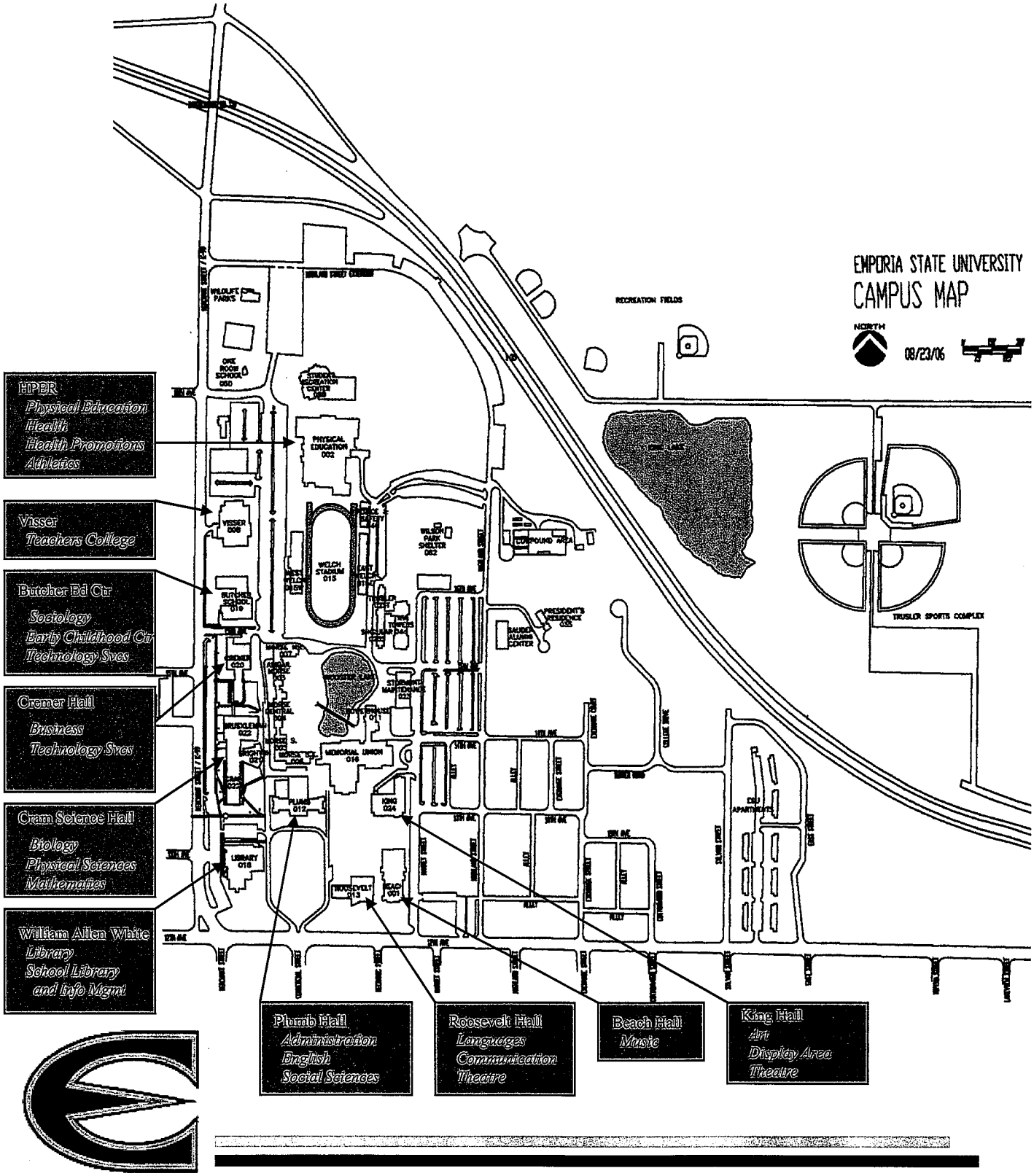
East Side of Morse Complex



4 Person Suites Typical of Northeast and Southeast Morse

13-21

Campus Map
Annotated to Identify Academic Buildings



13-22

Capital Improvement Summary
Kansas State University
November 10, 2010

Attachment 14
JCSBC 11-10-10

Deferred Maintenance

Kansas State University would like to thank the Regents and the State Legislature for their support. The Deferred Maintenance monies have resulted in many needed repairs and maintenance projects. Of these, the Utilities Infrastructure and Power Plant Improvements have had the most impact on the campus. This project includes the replacement of one boiler, the campus steam line, and the antiquated 4160 volt electrical system. These projects are substantially complete.

Other projects include the Leasure Hall Renovation. This project consisted of: replacing a non ADA compliant elevator, the renovation of room 010, the conversion of a maintenance shop into a technology general use classroom, and replacing the exterior doors and stairs with life safety compliant equipment. This project has been completed.

Willard Hall also benefited from the Deferred Maintenance dollars. The exterior stone was cleaned, tuck pointed, repaired and replaced along with water proofing the entrances in an effort to prevent rain from penetrating the building's exterior. Additional repairs include replacing the electrical feeds to the building, fire alarm systems, basement windows, and reproofing the high and low roofs. Renovations include turning the Biochemistry laboratory spaces into teaching studios for the Art Department, and bringing the building into compliance with ADA, fire and life safety codes in the circulation areas.

Other projects include renovating the general use classroom located in Justin Hall, room 109, renovating the teaching lab in room 017 of Kedzie Hall and putting a fire sprinkler system in Seaton Court, Seaton Hall and the area connecting the two structures. Re-roofing projects include Calvin Hall and Seaton Court.

Attachment 14
JCSBC 11/10-10

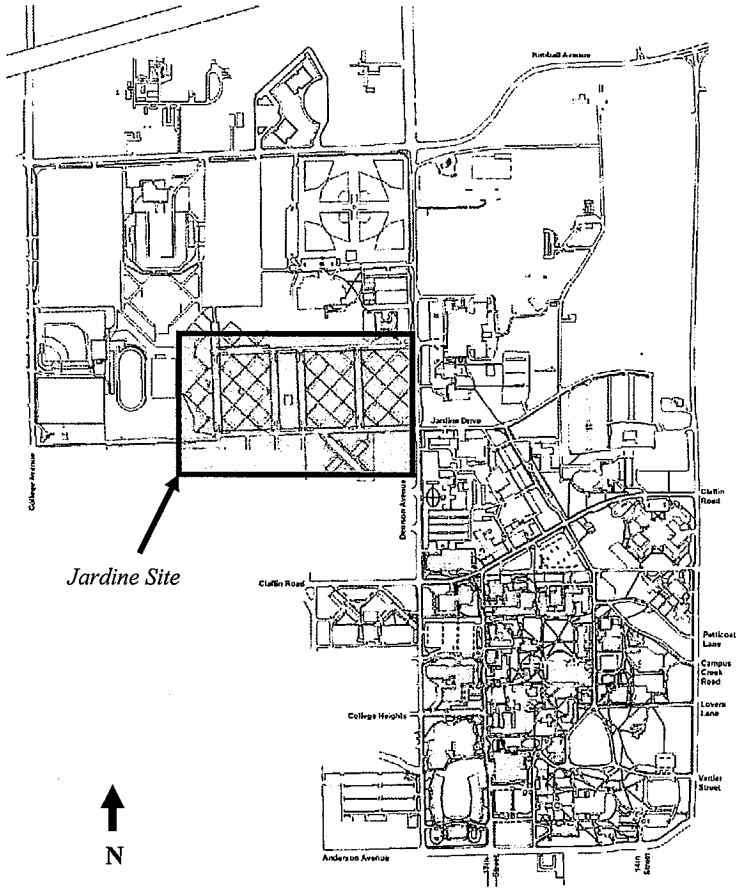
Project Update

Aeronautical Center at Kansas State University – Salina.
In 1991, the State of Kansas entered into a 20-year agreement with the Salina Airport Authority to repay the cost of constructing an addition onto the Aeronautical Laboratory. From FY 1993 through FY 2010, $189,416 per year was paid from the State General Fund. The agreement included a buy-out clause that allowed K-State to accept the property with a payment of $165,396 in FY 2011. K-State exercised that option and accepted the property with Board of Regents approval.

Jardine Apartment Housing – Phase I.
This multi-year $102 million project involves demolition and reconstruction of a substantial portion of the Jardine student apartment complex. The first phase, about 2/3 of the overall project, is complete. Progress on the remainder is being made. The project is funded by bonds that will be repaid with Housing revenue.

Jardine Apartment Housing – Phase II.
This multi-year $102 million project involves demolition and reconstruction of a substantial portion of the Jardine student apartment complex. This second phase, about 1/3 of the overall project, is being initiated. The project is funded by bonds that will be repaid with Housing revenue.

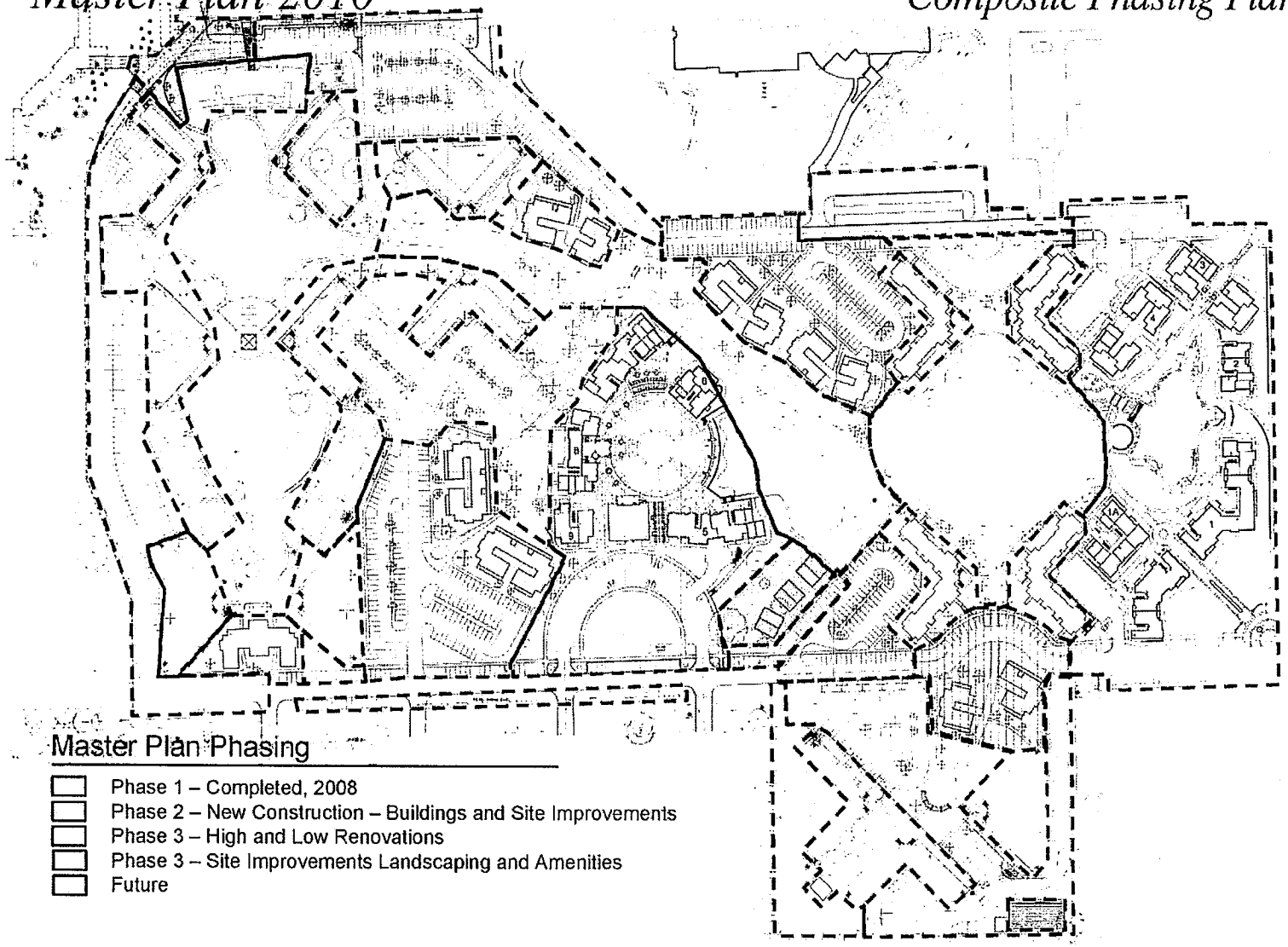
- *Legislative authorization and bonding authorization have been previously provided.*



14-2

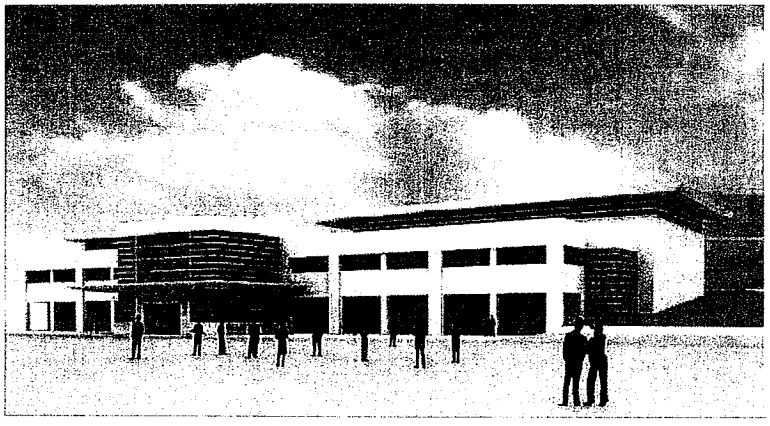
Master Plan 2010

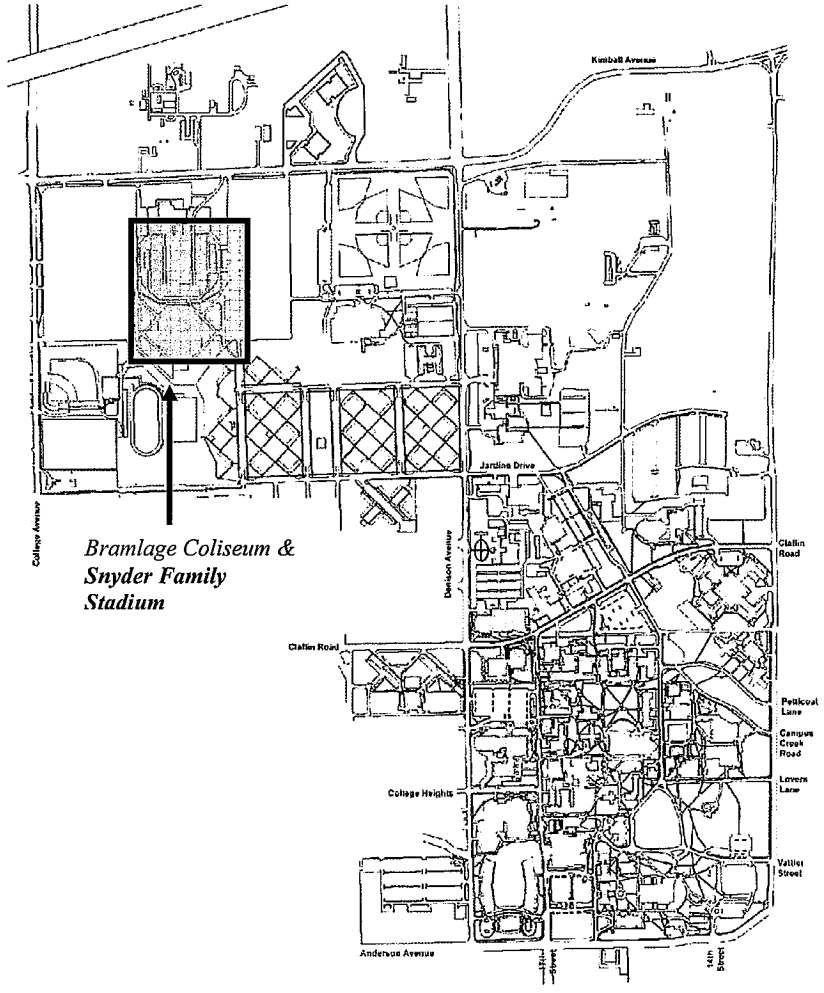
Composite Phasing Plan



Bramlage Coliseum & Snyder Family Stadium – Phase I.
The prior year's capital improvements plan included a $45 million project to expand Bramlage Coliseum and upgrade Bill Snyder Family Stadium. The Board approved a reduction in the scope of work from the previously approved Capital Improvement Request for Bramlage Coliseum and Bill Snyder Family Stadium. The modified scope of work will focus on two areas: 1) the construction of an indoor basketball training facility adjacent to Bramlage Coliseum, and 2) the construction of restrooms on the upper deck of the east seating structure of the football stadium. The $20 million basketball training facility will be a Title IX compliant structure and include men and women's locker rooms, two regulation sized practice courts, offices, sports medicine, equipment/laundry and weight training facilities. The $2.1 million restroom project will be constructed on the upper deck of the east stadium and provide restroom facilities for ticket holders in this area. Currently, there are no restrooms on the upper deck. The projects will be financed by revenue bonds to be repaid from athletics revenue and private gift funds.

- *Legislative authorization and bonding authorization have been previously provided*

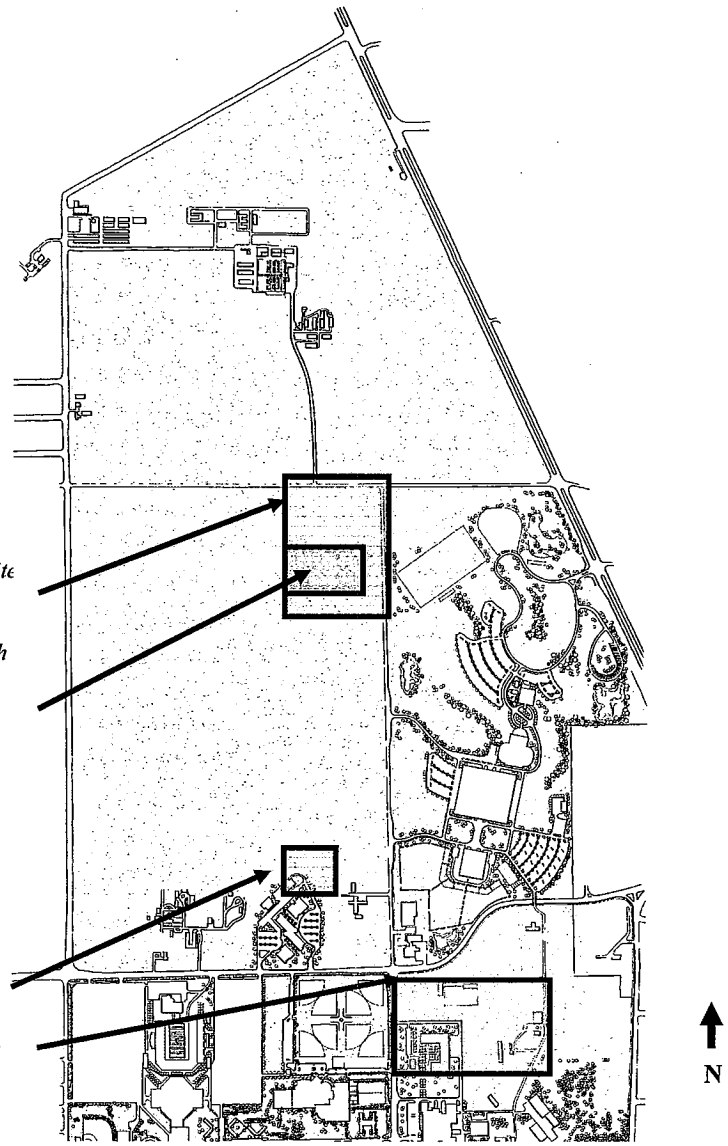


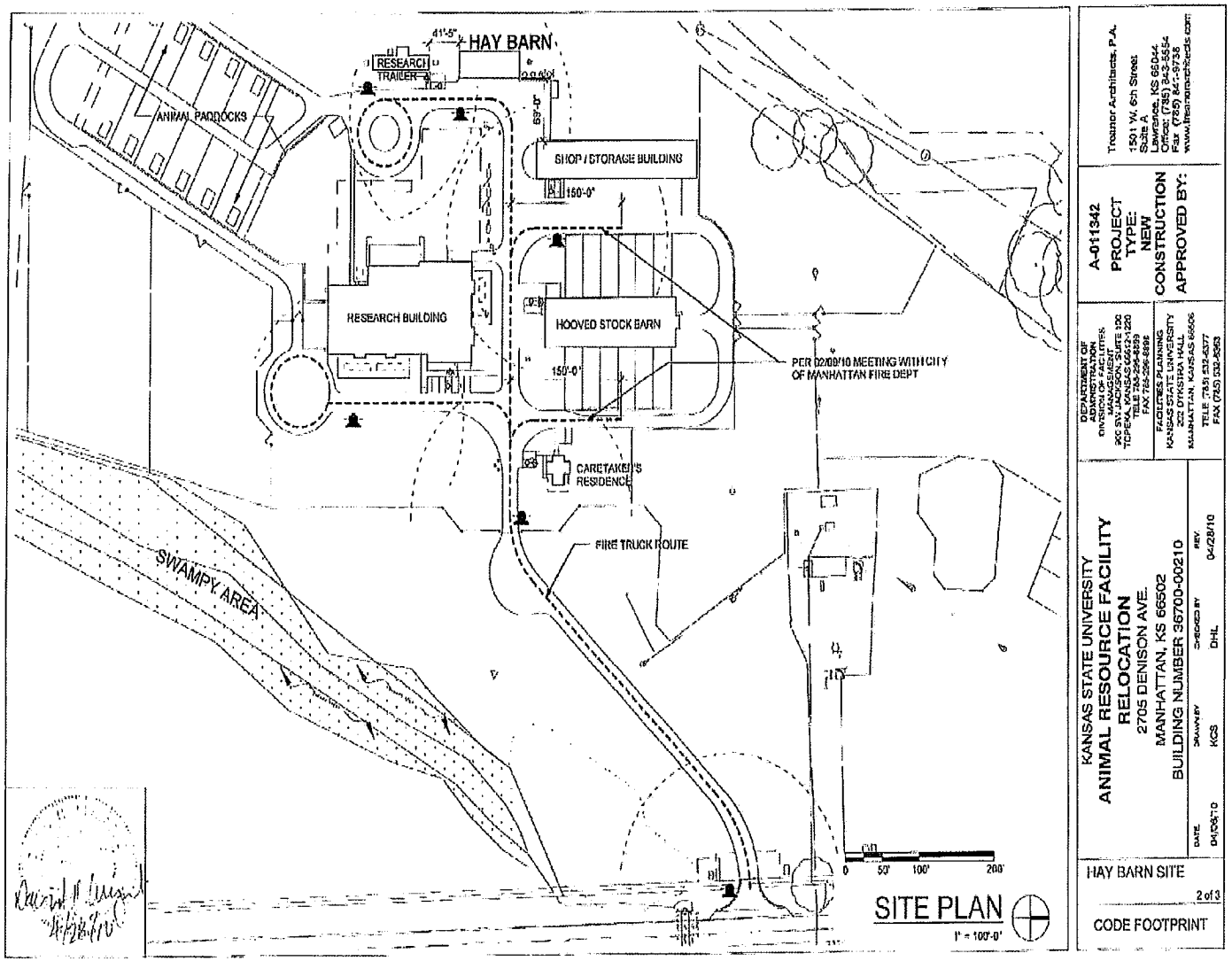


14-5

NBAF Relocation.

A project to relocate K-State assets from the NBAF site was approved in spring 2009. The project involved utility relocation, site clearing, relocation and removal of the Animal Research Center and relocation and removal of the Animal Science Feed Mill. The project cost was originally estimated to be $21.6 million. As project planning progressed, it became apparent that the total cost was closer to $18.6 million - $7.5 million to relocate the Animal Research Facility, $5.4 million to relocate the feed mill and $5.7 million for utility relocation and site work. The project was to be funded with NBAF relocation funds. Because the Animal Science Feed mill is on the edge of the NBAF site and will not impede initial construction, K-State and DHS agreed to delay relocation and removal of the Feed mill until September 2013. $12 million in NBAF relocation funds have been provided and used to clear the site (with the exception of the feed mill) and to construct a replacement Animal Research Center. The feed mill is discussed under the Grain Science Center – Feed Mill section later in this report.

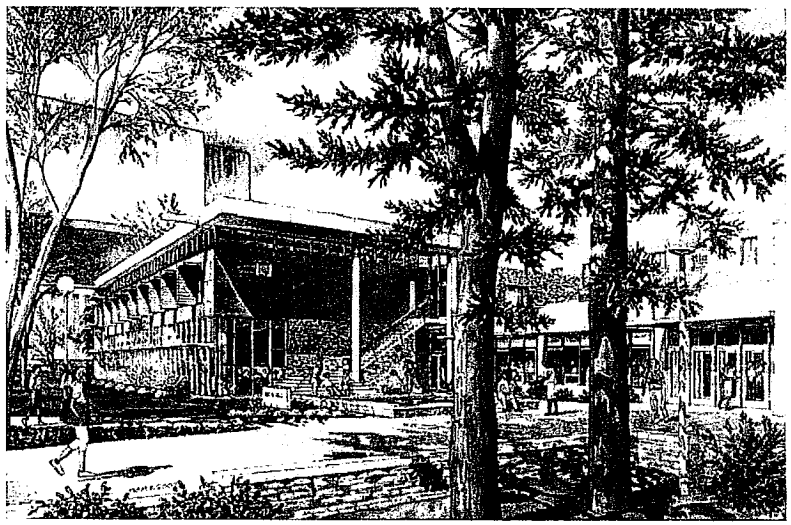


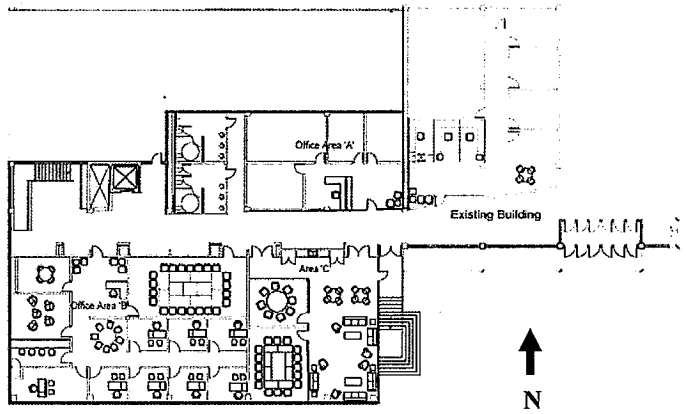

HAY BARN
41'-5"
RESEARCH TRAILER
ANIMAL PADDOCKS
SHOP / STORAGE BUILDING
53'-0"
150'-0"
RESEARCH BUILDING
HOOVED STOCK BARN
150'-0"
PER 02/09/10 MEETING WITH CITY OF MANHATTAN FIRE DEPT
CARETAKER'S RESIDENCE
FIRE TRUCK ROUTE
SWAMPY AREA
0 50' 100' 200'
SITE PLAN
1" = 100'-0"
N
Treanor Architects, P.A.
1501 W. 6th Street
Suite A
Lawrence, KS 66044
Office: (785) 843-5554
Fax: (785) 841-9738
www.treanorarchitects.com
A-011342
PROJECT TYPE:
NEW CONSTRUCTION
APPROVED BY:
DEPARTMENT OF ADMINISTRATION
DIVISION OF FACILITIES
200 SW JACKSON, SUITE 100
TOPEKA, KANSAS 66612-1220
TELE 785-296-8499
FAX 785-296-8899
FACILITIES PLANNING
KANSAS STATE UNIVERSITY
202 DYKSTRA HALL
MANHATTAN, KANSAS 66506
TELE (785) 532-5577
FAX (785) 532-2563
KANSAS STATE UNIVERSITY
ANIMAL RESOURCE FACILITY
RELOCATION
2705 DENISON AVE.
MANHATTAN, KS 66502
BUILDING NUMBER 36700-00210
DATE 04/08/10
DRAWN BY KGS
CHECKED BY DHL
REV 04/28/10
HAY BARN SITE
2 of 3
CODE FOOTPRINT

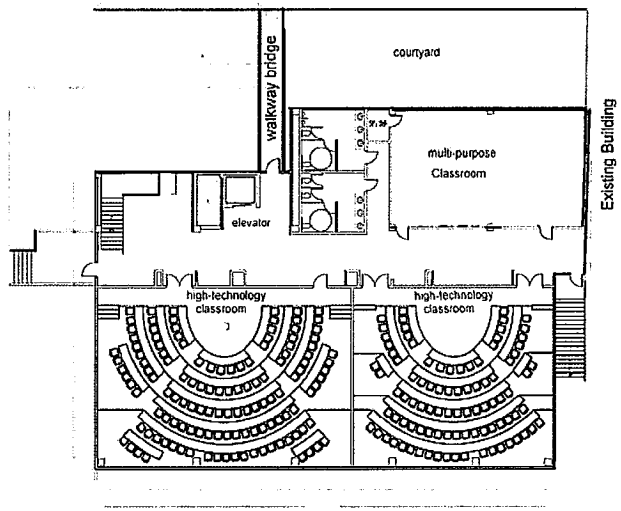
14-6

New/Continuing Projects to be Funded Entirely by Private Gifts.

Justin Hall Addition.
This $5 million project includes construction of a 16,000 square foot addition to Justin Hall for the College of Human Ecology. A design/build team has been hired. The entire project will be funded from private gifts.

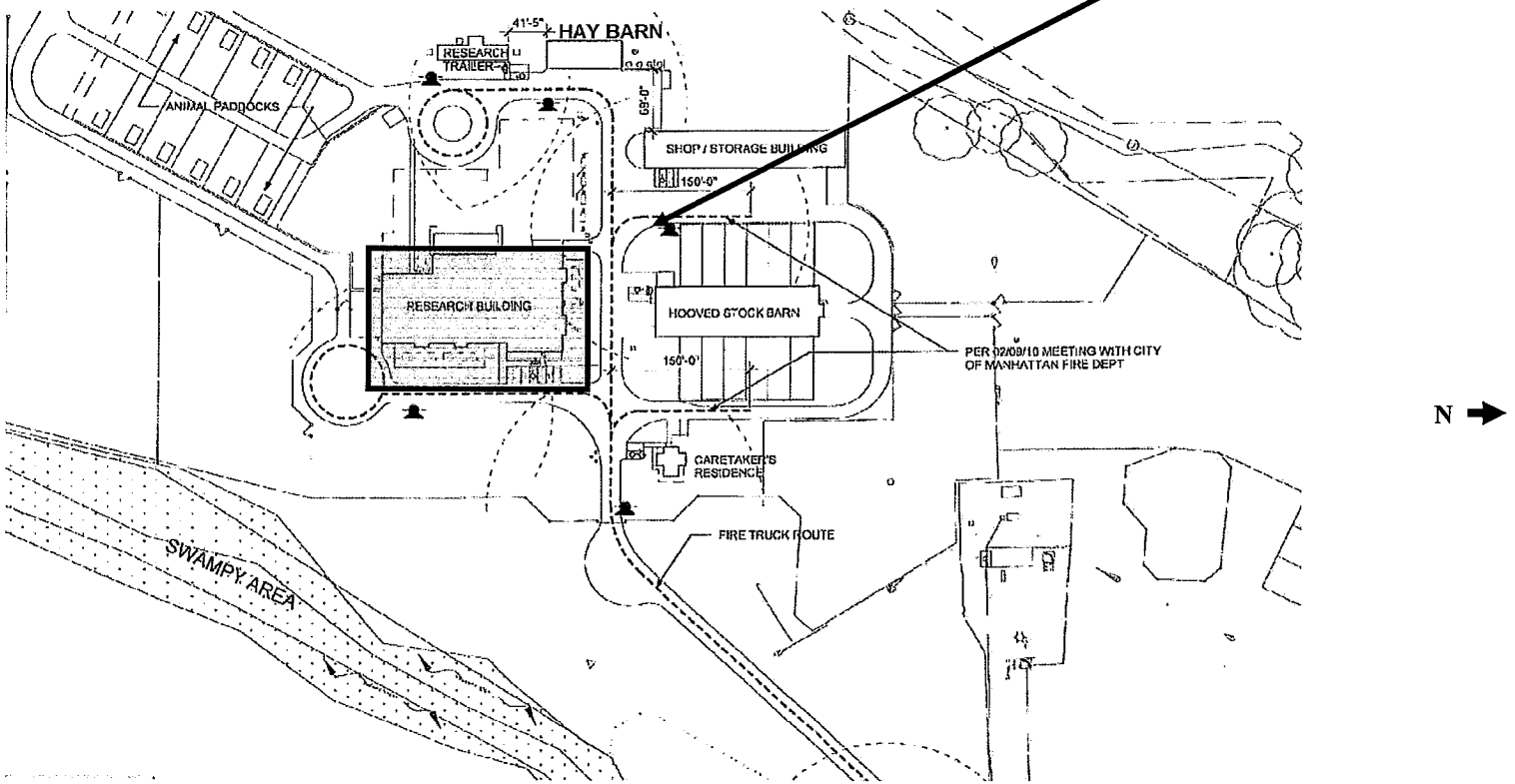




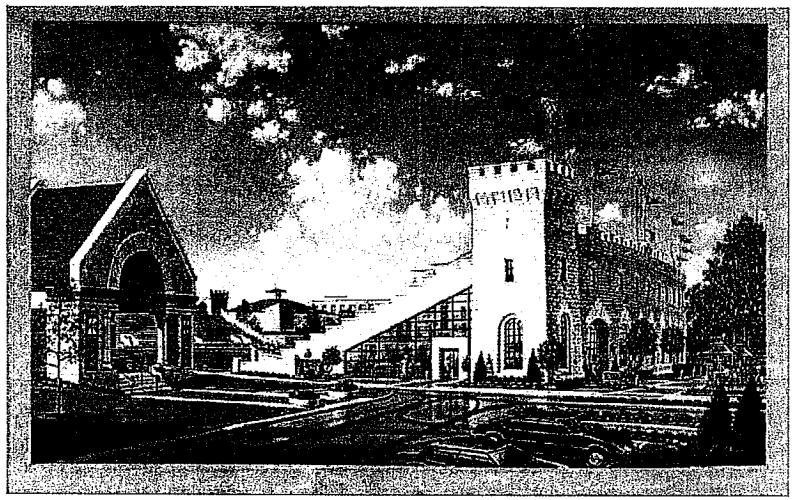


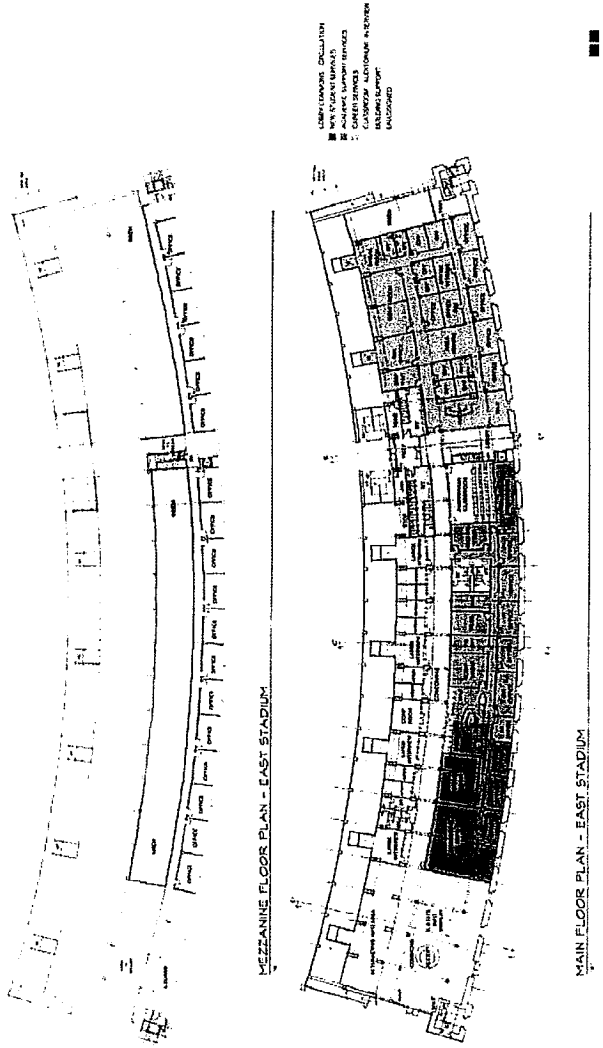
LARC Expansion.
This $5.3 million, multi-year project is to expand the Large Animal Research Center (LARC) – a research facility that houses multiple species, including canine, bovine, equine, sheep, goat, and swine and is associated with the Animal Resource Facility relocated by the NBAF project. Because the animal holding capacity of the existing LARC is less than that demanded by primary investigators currently at KSU, K-State researchers have identified a need for 11,570 square feet of additional space. The entire project will be funded from private gifts.

Large Animal Research Center



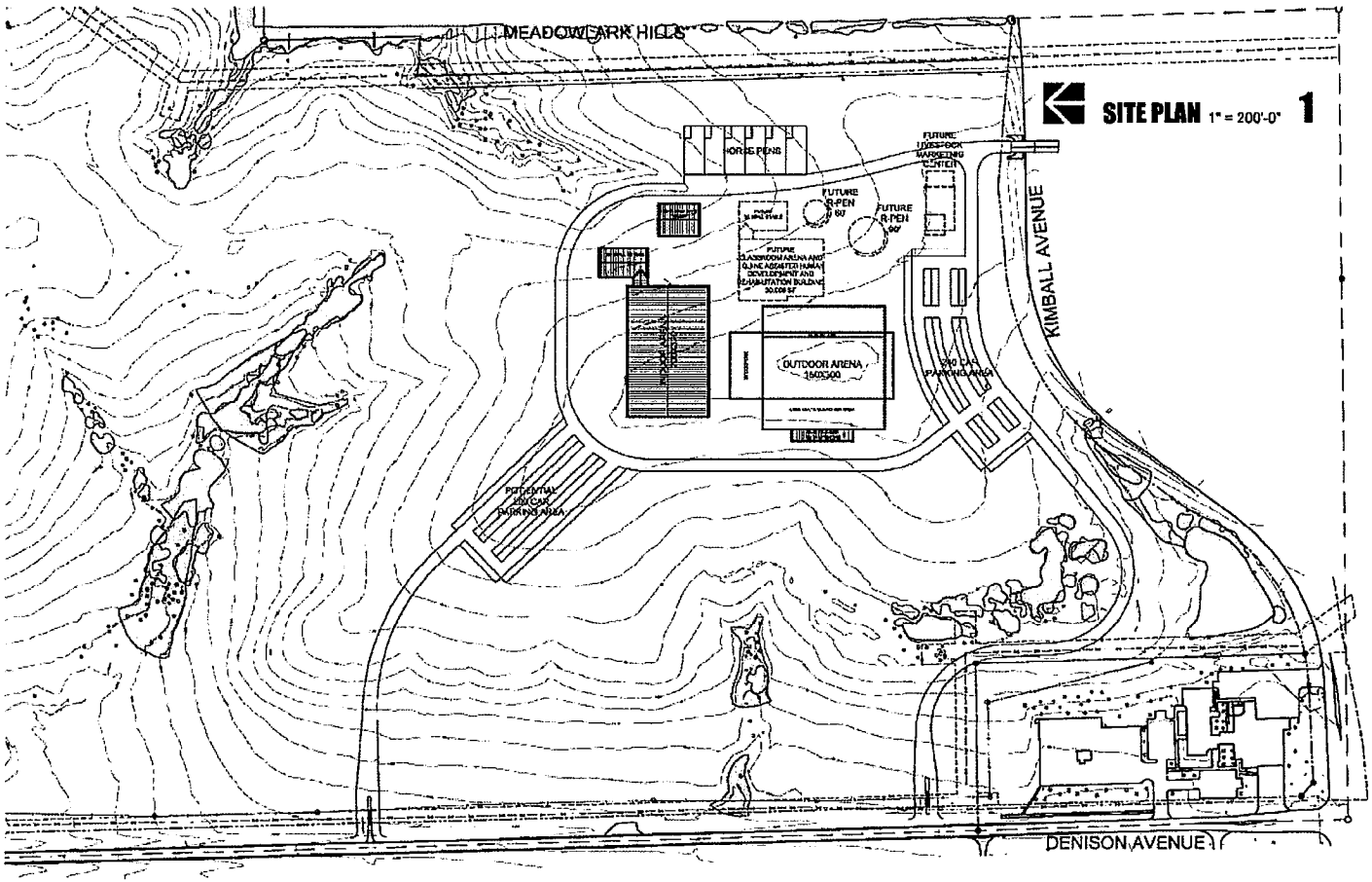
East Memorial Stadium.
This $17 million, multi-year project includes renovation of the East side of the old Memorial Stadium. Renovation of academic and academic support spaces in both the East and West sides of old Memorial Stadium was a component of K-State's previously approved 5-year deferred maintenance plan. During project programming it became apparent that costs associated with East side renovation were significant. Therefore, we received Board approval to remove the East side renovation from the 5-year deferred maintenance plan and include a $17 million privately funded renovation of the East side of the old Memorial Stadium in our Fiscal Year 2010 Capital Improvements Plan. The East side project includes renovation of 34,700 square feet of space in the existing structure. The total cost of the East Stadium project will be privately funded.





14-10

Equine Education Center.
This $15 million project includes construction of a teaching, research and extension equine education center northeast of the Denison and Kimball Avenue. The first phase of the project is complete. Further work will be completed as funding becomes available. The entire project is being funded from private gifts.



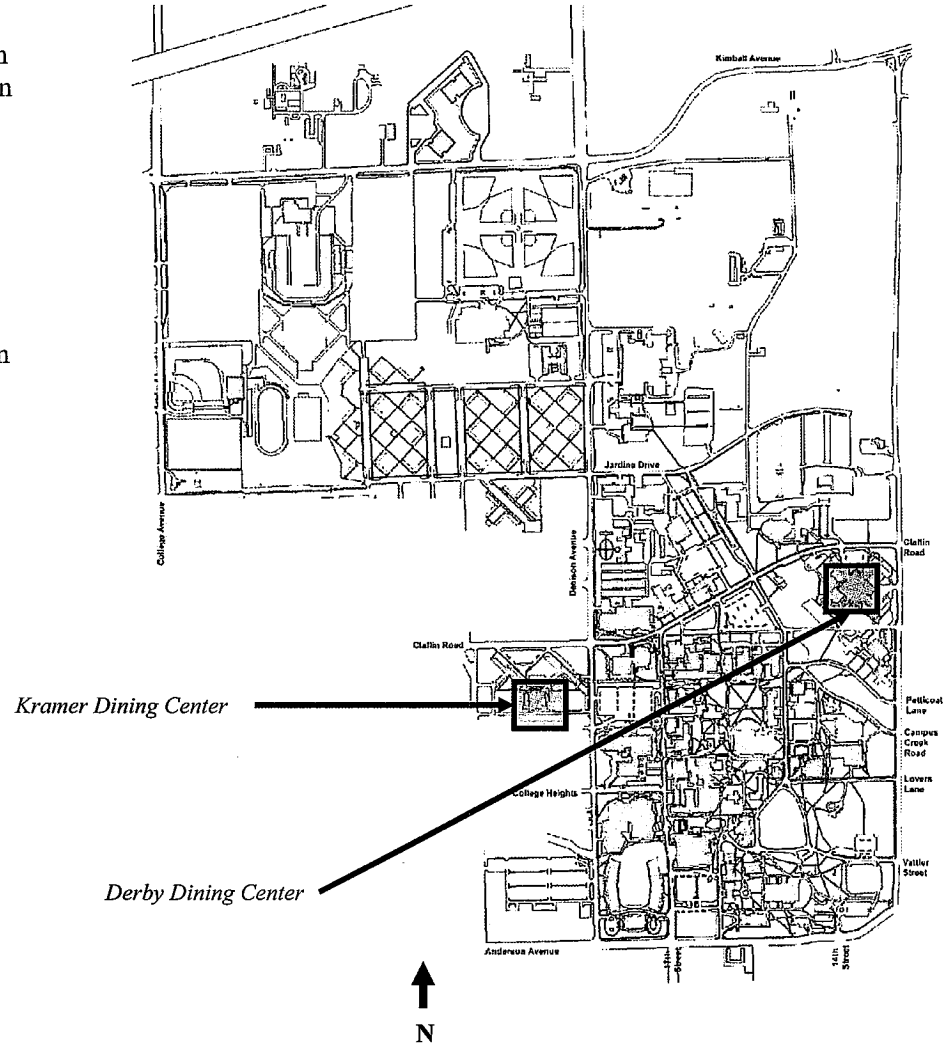
Projects Needing Legislative Action

Parking Improvements.
We need legislative authorization to allow us to spend $600,000 in parking revenue to renovate existing parking lots on the Manhattan and Salina campuses. .

- *Legislative-authorization is required.*

Kramer & Derby Dining Improvements.
This multi-year $35 million project involves renovation of the 76,000 square foot food service facilities in the Department of Housing and Dining. This project will be funded by a combination of housing funds and bonds to be repaid from Housing system revenue.

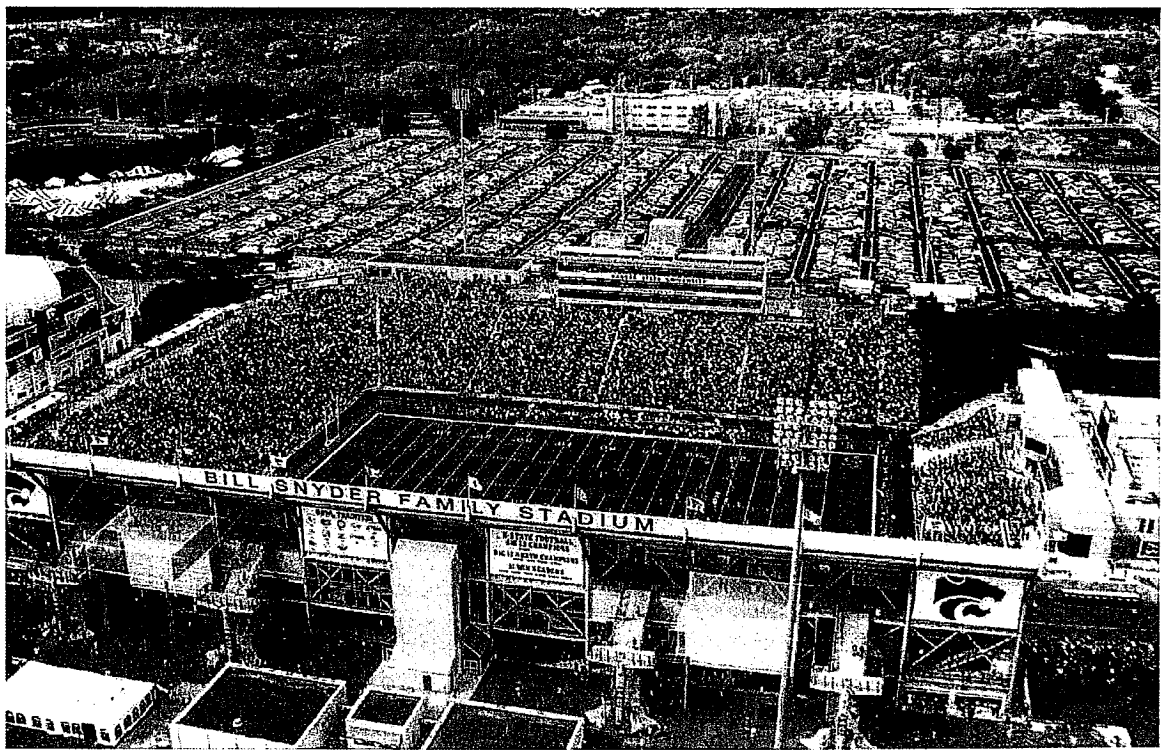
- *Legislative authorization and bonding authority is required*



14-12

Bramlage Coliseum & Snyder Family Stadium – Phase II. This $50 million project is a significant upgrade to Snyder Family Stadium. The stadium was built in 1968, the west-side press box area was added in 1993 and the east side suites were completed in 1999. To meet the needs of the facility users, the stadium needs renovation and expansion. There is a waiting list for suites and use of the club area seating. Additionally, there is a need for a larger, more functional and updated structure. The project will be funded from bonds to be repaid from athletics revenue and private gift funds. Construction could begin as soon as immediately following the 2011 football season. K-State plans to use an alternative project delivery method for this project. A decision about whether to use the Kansas Board of Regents State Educational Institution Project Delivery Construction Procurement Act Procedures for this project will soon be made.

- *Legislative authorization, bonding authority and permission to use an alternative project delivery method is required.*



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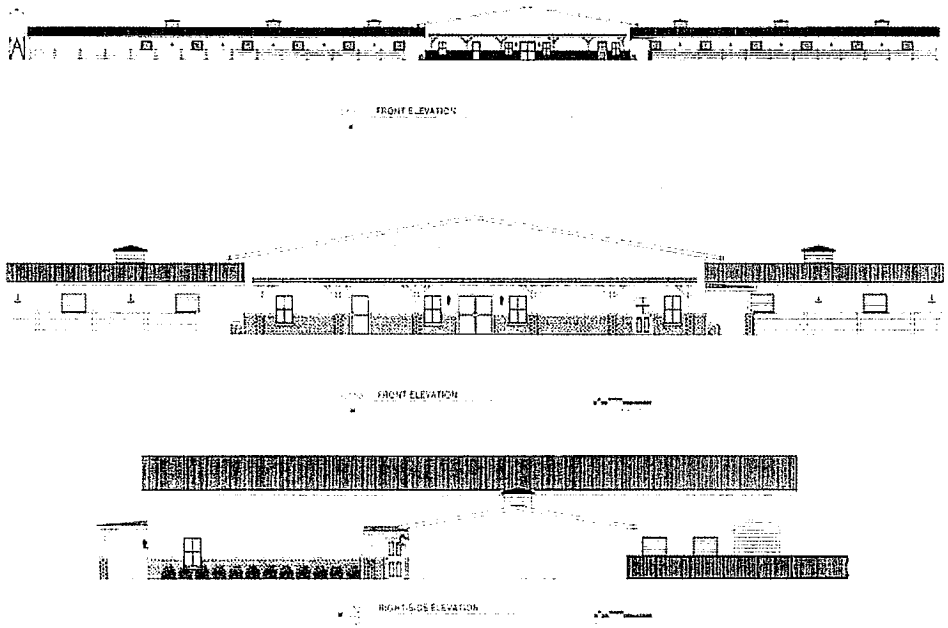
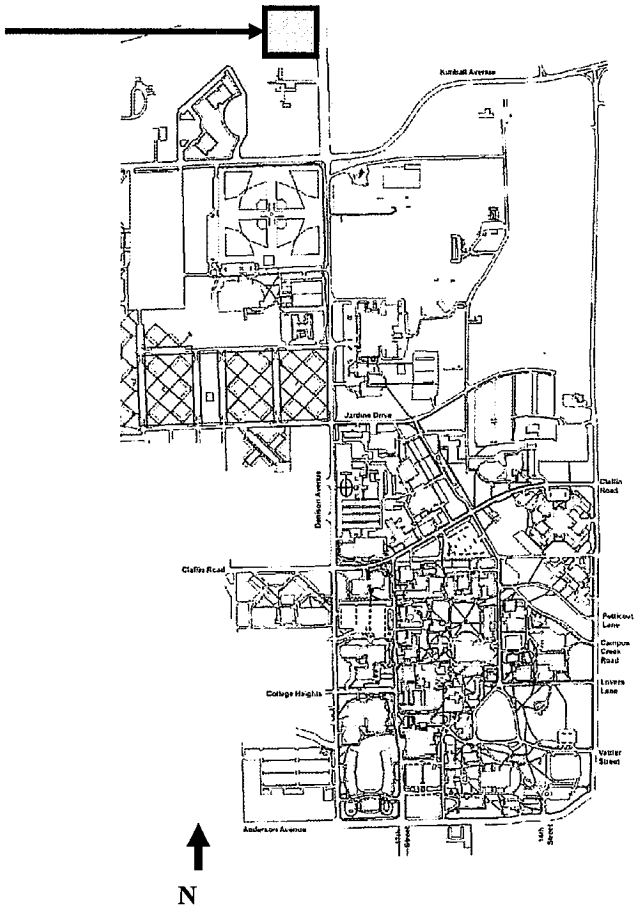
14-13

Sheep and Meat Goat Center.
This $1.8 million project is to construct an enhanced sheep and meat goat teaching and research facility just north of the current Sheep Unit. The facility needs to be relocated as a result of the sale of KSU property to the KSU Foundation. The project is being funded by a combination of restricted fees and private gifts.

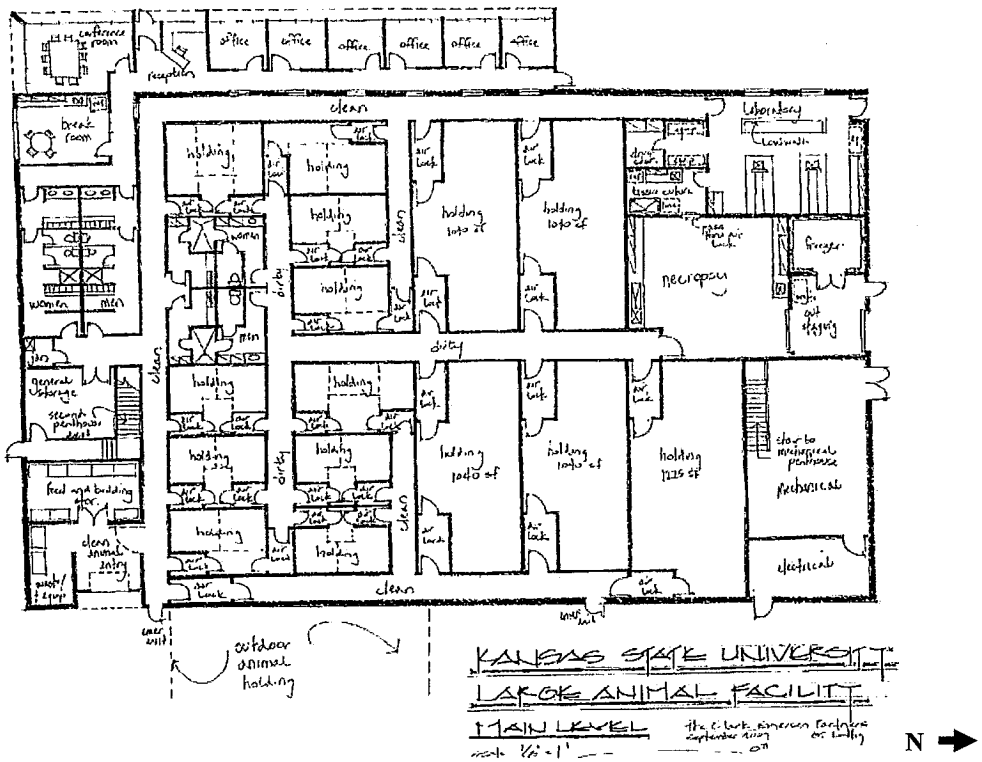
- *Legislative re-authorization is required.*





Veterinary Medicine Large Animal Holding Building.
This $11.8 million project is to construct a large animal holding building to facilitate infectious disease research on large animals. This new facility would help meet current research needs and significantly broaden opportunities for both public and private grant funding. The project would be funded from a combination of private gifts and restricted fees.

- *Legislative re-authorization is required*



14.15

Veterinary Medical Teaching Hospital Surgery Suite Remodel.
This $2.34 million project would totally remodel the existing 4,900 square foot Veterinary Medical Teaching Hospital surgery suite. The 30 year old facility no longer accommodates the caseload, modern technology or contemporary processes. The project would be funded from hospital revenue.

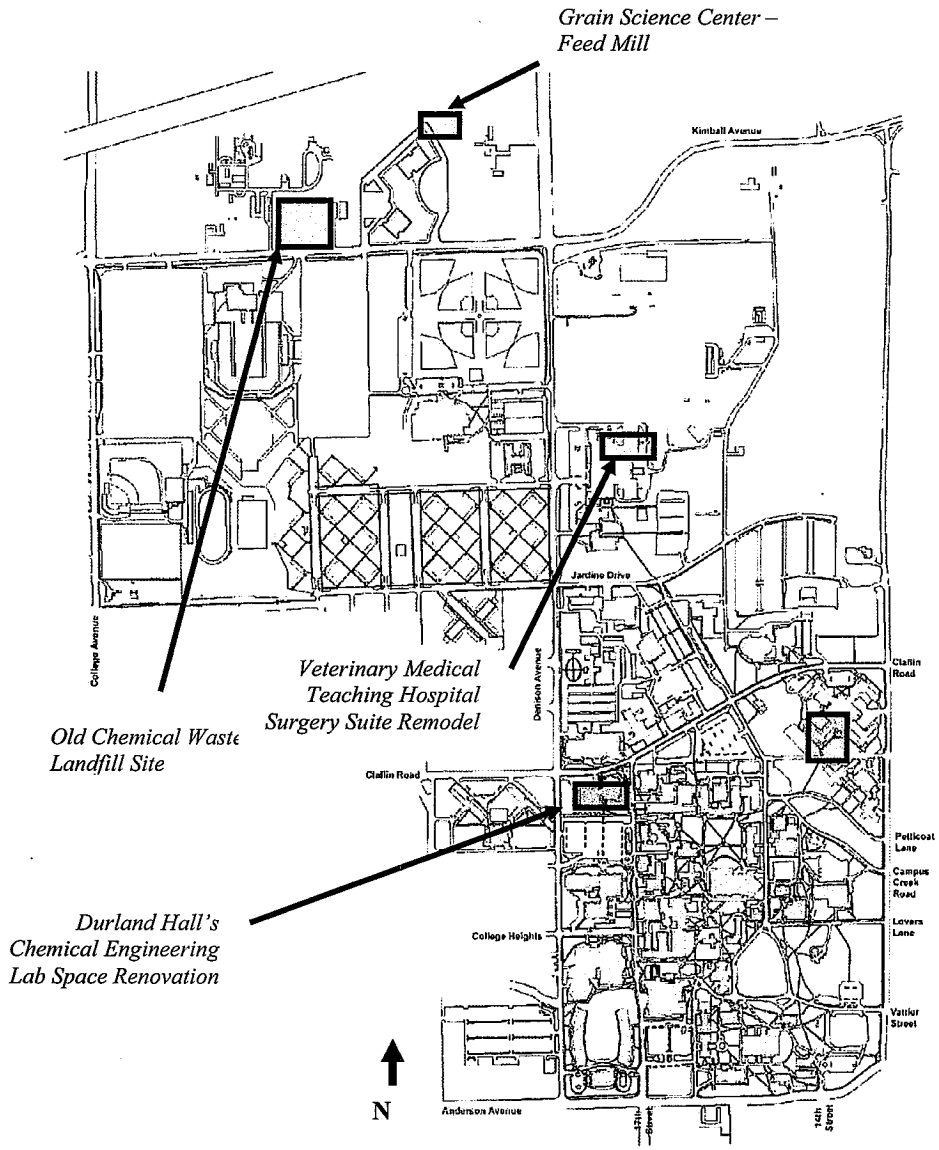
- *Legislative re-authorization is required*

Chemical Engineering Lab Space Renovation.
This $2 million project is a **FY 2011** renovation of 5,337 square feet of Chemical Engineering lab space in Durland Hall. K-State was notified of a $1.6 million NSF-ARRA award for this purpose. The remaining $400 thousand will come from sponsored research overhead.

- *Legislative –authorization is required*

West Hall Upgrade.
This $1.2 million project upgrades West Hall, a dormitory constructed in 1962 that is used as a coed residence hall for Kansas State University students during the fall and spring semesters. The project will encompass updating HVAC, lighting, and plumbing systems and installation of a new fire alarm system. The project will be funded by Housing system funds.

- *Legislative –authorization is required*



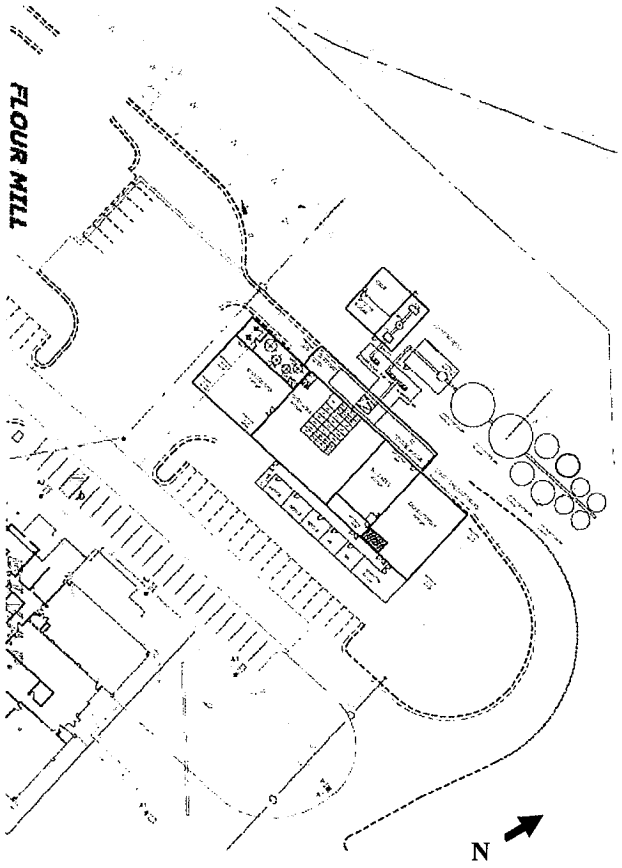
Grain Science Center – Feed Mill.
The $13 million Grain Science Center Feed Mill project is a joint effort of K-State's Department of Grain Science and Industry and the Department of Animal Science and Industry. The project will replace the feed-production capability provided by the feed mill at the corner of Denison and Kimball that is on the NBAF site and significantly enhance the research capacity of both departments. The project was approved by the Board of Regents (BOR) as a privately funded FY 2012 capital improvement in spring 2010. Because the existing feed-production facility is on the NBAF site, K-State had requested $5.4 million in NBAF relocation funds to be combined with $8 million in private funds to complete the project. Recently, it has been made clear that NBAF relocation funding will not be made available. Other sources to provide $5.4 million are being pursued. However, if those efforts to secure funding are not successful within the next two months, the requirement to relocate the existing facility by September 1, 2013 will require K-State to provide partial project funding. We must begin construction this summer to meet the NBAF deadline. If necessary, this request for changing the method of financing will be made to the BOR in January. If K-State funding is required and approved by the BOR, we will need $5.4 million in bonding authority and approval to use the State Design-Build process to meet the deadline.

- *Pending fund-raising results and BOR approval, legislative authorization, bonding authority and permission to use an alternative project delivery method is required.*

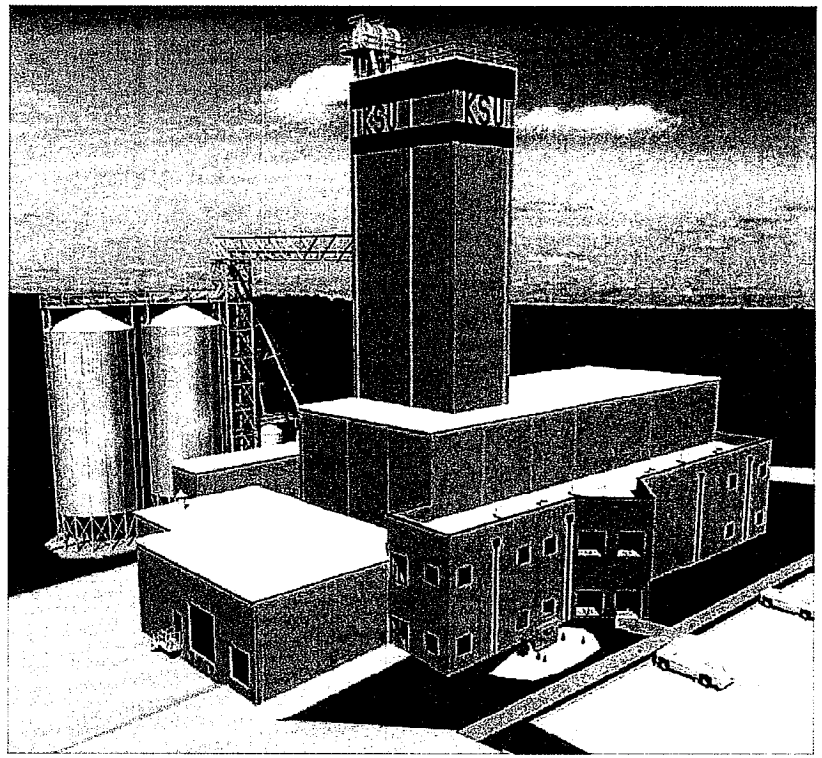
Old Chemical Waste Landfill Remediation.
This $4 million project removes the Old Chemical Waste Landfill (OCWLF). Disposal of hazardous chemical waste or low level radioactive waste occurred at the site from the mid 1960s until 1984 consistent with regulations that were in effect at the time. K-State requested to close the landfill to further chemical waste disposal in 1984 and official closure was granted by the KDHE Bureau of Waste Management (BWM) in 1986. K-State has been actively investigating and monitoring the OCWLF for chemical contamination of groundwater under consent agreement since 1990. Long-term groundwater monitoring indicates that the OCWLF is releasing hazardous materials to the uppermost aquifer. Investigations have shown that the contamination flows with the groundwater from the landfill towards the east and northeast outside the fenced enclosure that secures the landfill. Though none of the contamination has moved from K-State property, the waste is not stable under *Title 10 CFR 61* and closure of the disposal area in a leaking condition is not acceptable under current regulations. Because annual costs to monitor the site now exceed $300,000 per year and are expected to continue escalating, and because the KDHE and EPA required permanent resolution, K-State engaged a subject-matter expert to work with the KDHE and EPA to develop a plan to remove the landfill – the only permanent solution. That plan, a Corrective Measures Study (CMS), was submitted to the KDHE on June 22, 2010. The project consists of two stages. The first stage is to build an interceptor trench and temporary treatment facility. This first stage will be completed this year and is expected to cost $300,000. The final stage is to remove the landfill and will be completed between November 2011 and May 2012 and is expected to cost $3.7 million. Project costs will be paid from a combination of Sponsored Research Overhead funds and bond funds.

- *Legislative –authorization and bonding authority is required*

14-17



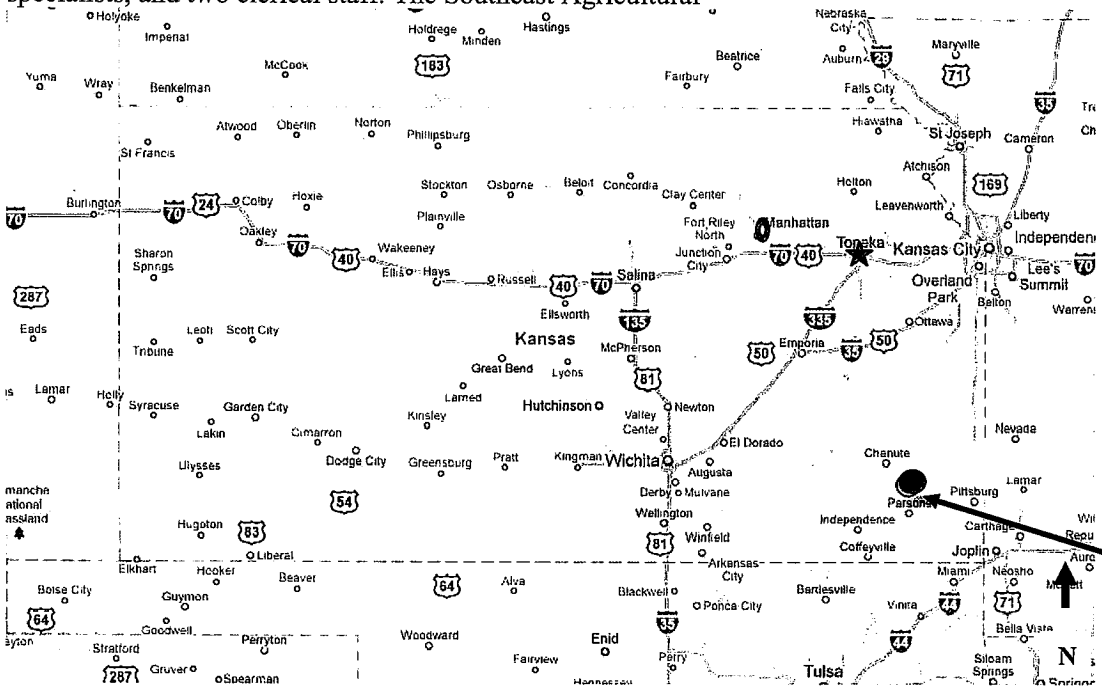
Grain Science Center Feed Mill Site

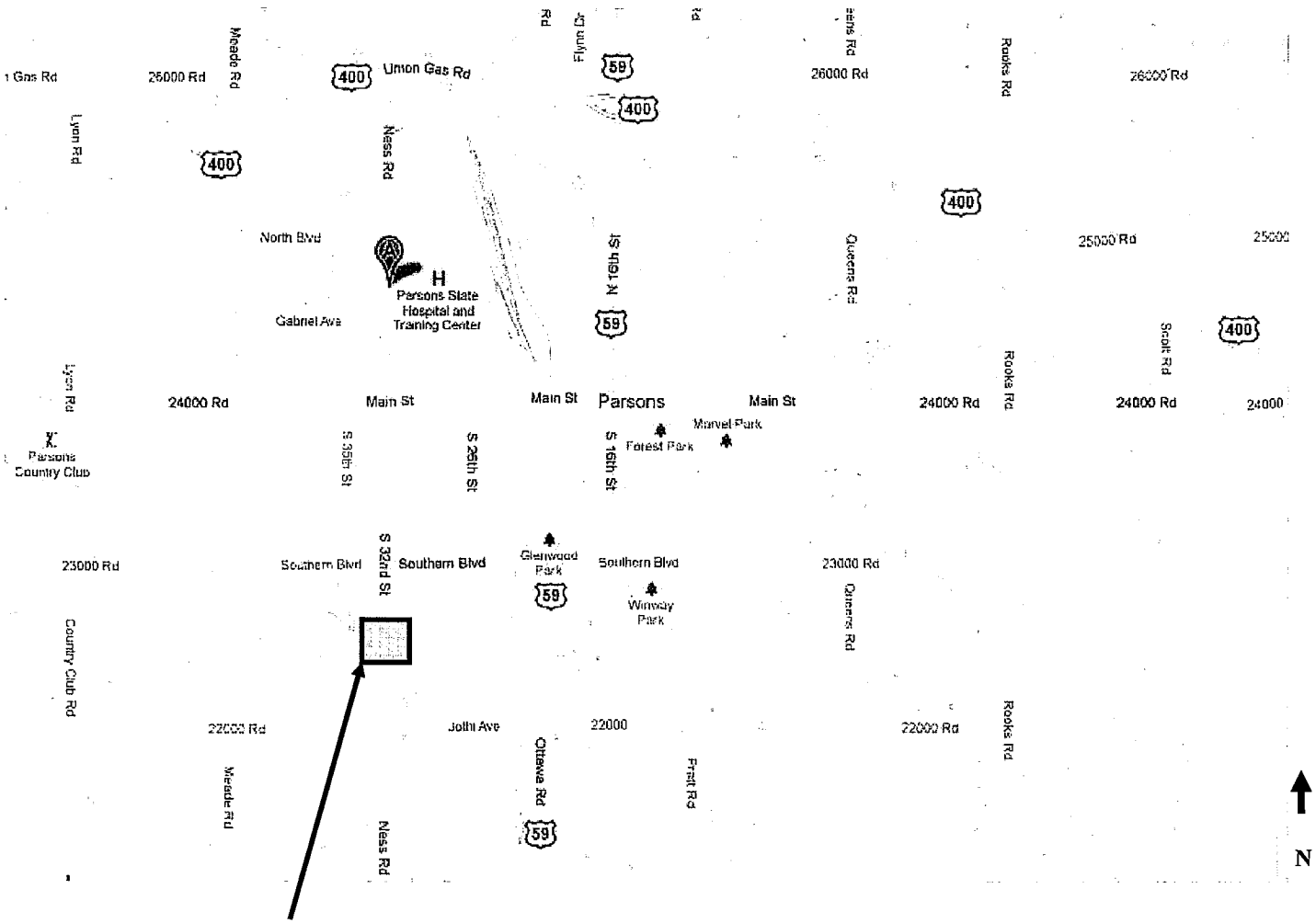


Grain Science Center Feed Mill Renderinge

Southeast Research-Extension Center.
This $2 million project constructs a 12,000 sq. ft. Southeast Research-Extension Center to be located on university owned land in Parsons. The building will serve as headquarters for the Southeast Area Extension Office and the Southeast Agricultural Research Center. The Southeast Area Extension Office currently rents space in Chanute. The Southeast Agricultural Research Center currently occupies space in the old Parsons State Hospital grounds that is in need of cost prohibitive renovation. The Southeast Extension Office serves 21 counties and houses the director, four professional specialists, and two clerical staff. The Southeast Agricultural Research Center houses the director, three tenure-track faculty positions, one clerical staff, and twelve agricultural technicians. Combining the two offices in one location would facilitate effective interactions between research and extension activities, offer increased opportunity for efficient staff utilization and would follow a very successful model employed in southwest and northwest Kansas. The project will be funded with a combination of restricted fees and private gifts.

- *Legislative –authorization is required*





Southeast Agricultural Research Center Field Office and Proposed Building Site

KU THE UNIVERSITY OF KANSAS
Design & Construction Management

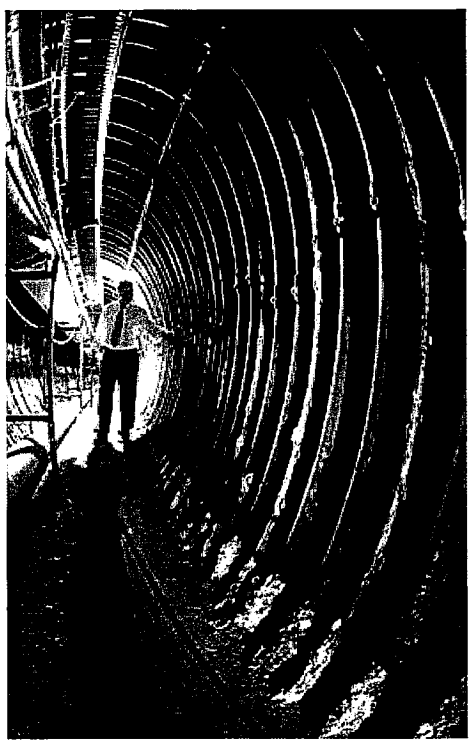
Joint Committee on State Building Construction
University of Kansas – Lawrence Campus
FY 2012 Capital Improvements Request
November 10, 2010

Capital Improvement Project Update

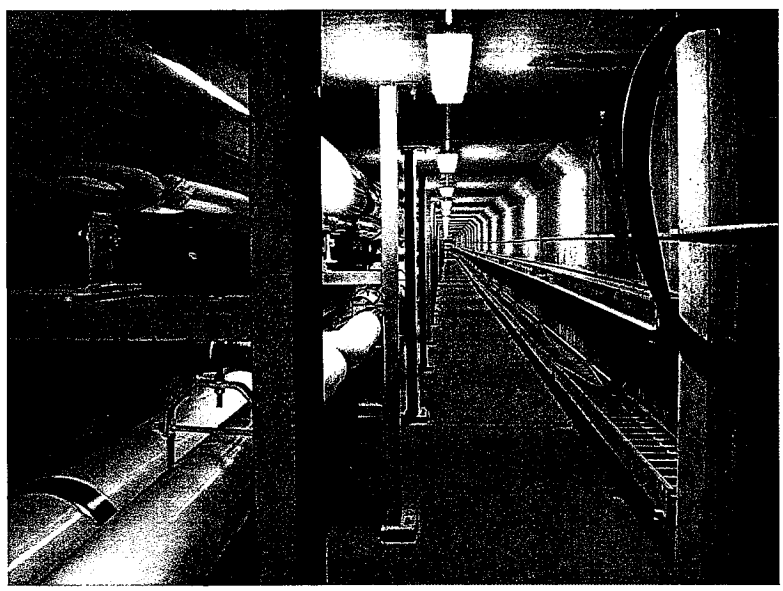
Utility Tunnel Improvements –The first phase of tunnel improvements began in the summer of 2008 and was completed in October 2008, just in time for the winter heating season. The first phase replaced 900 LF of badly deteriorated tunnels. During the bidding process, the University was able to compare the cost of cast-in-place concrete to precast concrete tunnel sections. By going with precast tunnel sections, the University was able to save a million dollars.

The second phase of tunnel replacement started in late spring 2009 and addressed more badly deteriorated tunnel sections. Phase 2 replaced 1,000 LF of tunnels. The tunnel improvements are complete in the Fall 2009 and we want to thank the Joint Committee for your support in helping KU address this critical need.

KU did Phase 3 tunnel improvements using ARRA funds. The project was east of Robinson Center and involved concrete repair and waterproofing. The project started in late spring 2010 and was completed in September 2010. This concludes the initial critical repairs and replacement work on the tunnels.



Original Deteriorating Tunnel

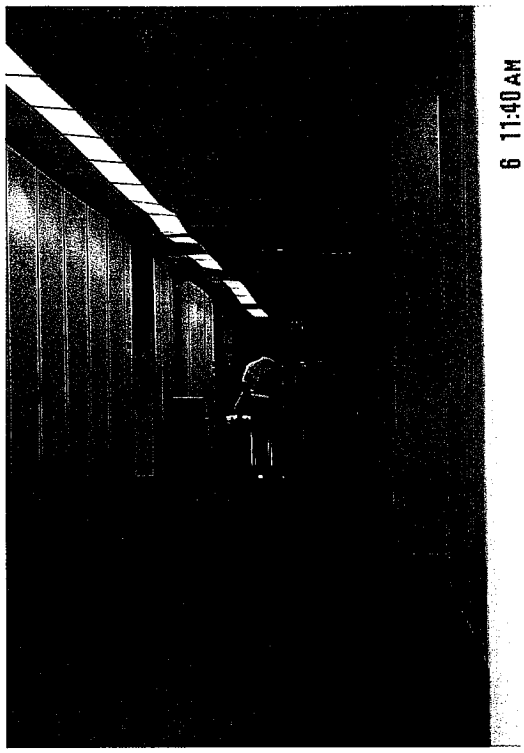


New Utility Tunnel

1246 W. Campus Road Room 114 | Lawrence, KS 66045-7505 | (785) 864-3431 | Fax: (785) 864-3495 | www.dcm.ku.edu

Attachment 15
JCSBC 11-10-10

Wescoe Hall Improvements – This was a complicated project which replaced an undulated floor slab on the first floor, and mechanical systems on 1st, 2nd and 3rd floors, as well as fire and life safety improvements throughout the building. The work was implemented in phases, by floor, to minimize the number of faculty and staff displaced at any one time. This was the first KU project to utilize the State of Kansas' CM At-Risk alternative delivery process, and one of the first State projects to use that new process. The result was a very good end product, at a reasonable cost, with the least amount of disruption to the ongoing academic programs in the building. Phase 1 started in January 2008 and was completed in August 2008. Phase 2 started in June 2008 and was completed in December 2008. Phase 3 started in January 2009 and completed in July 2009.



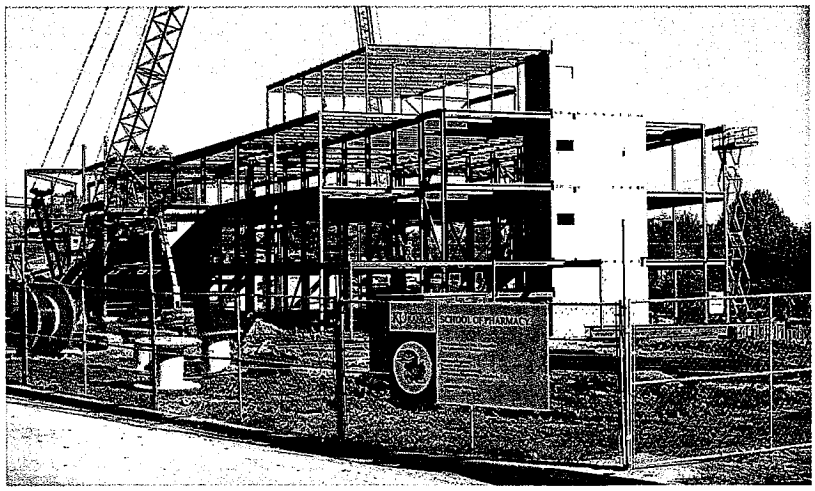
Wescoe Hall First Floor – In 2007 Before the Improvements

Wescoe Hall First Floor Corridor and Classrooms

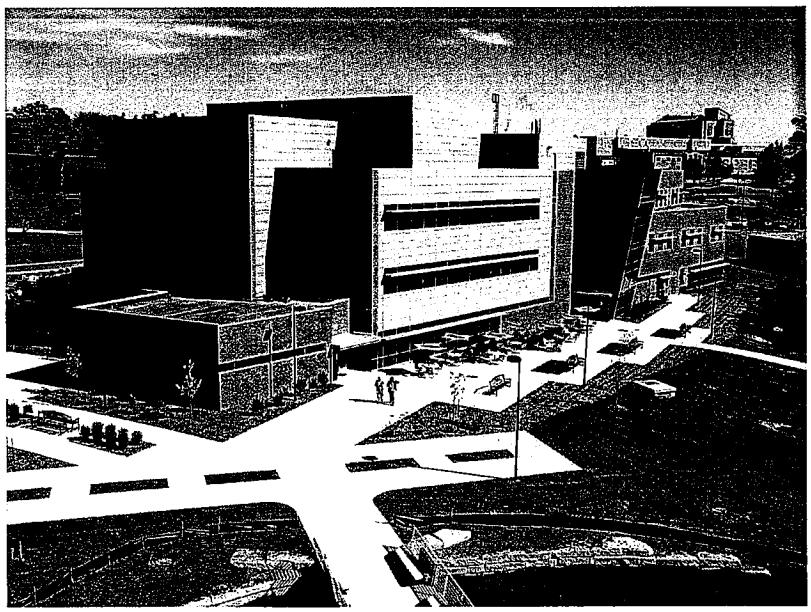
15-2

Murphy Hall Electrical Improvements – Professional Engineering Consultants was selected to design the project. The scope of work will be coordinated with the FY 2010 Federal Stimulus funded HVAC improvements. Design started in February 2010, bids will be taken in late November 2010, and construction will begin in January 2011. Construction is scheduled to be substantially complete by September 2011.

Pharmacy Teaching & Administration Building – Phase 1 - $45,593,834 – The University of Kansas completed a major, comprehensive expansion of the KU School of Pharmacy to address the growing shortage of pharmacists in the State and the significant changes in academic training curriculum and professional development requirements that the pharmacy profession has undergone in the last 25 years. This new facility will allow student enrollment to grow nearly 50%. I want to thank this committee for your support of the Pharmacy project in the 2008 and 2009 Legislative Session. Given the critical need for more pharmacy professionals and the current bidding climate, The project was completed in August 2010 in time for the start of the Fall Semester and six months earlier than originally projected. The architect, Treanor Architects and the contractor J.E. Dunn have shared the interest and team effort to complete this project for Fall 2010.

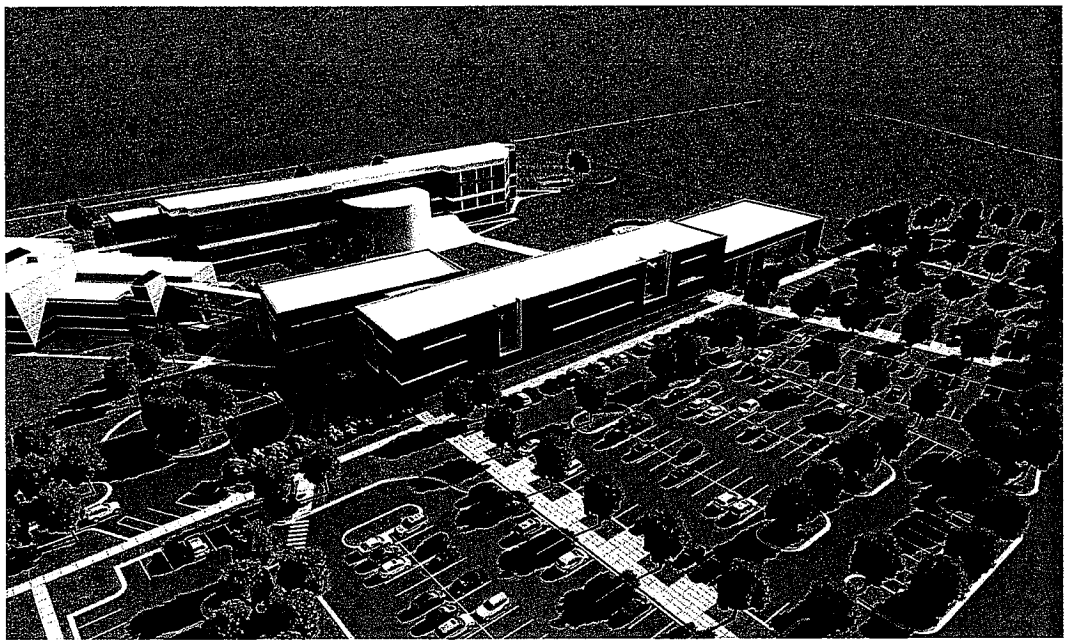


October 20, 2009 Progress Photo -- View of the Northwest Corner of the Building

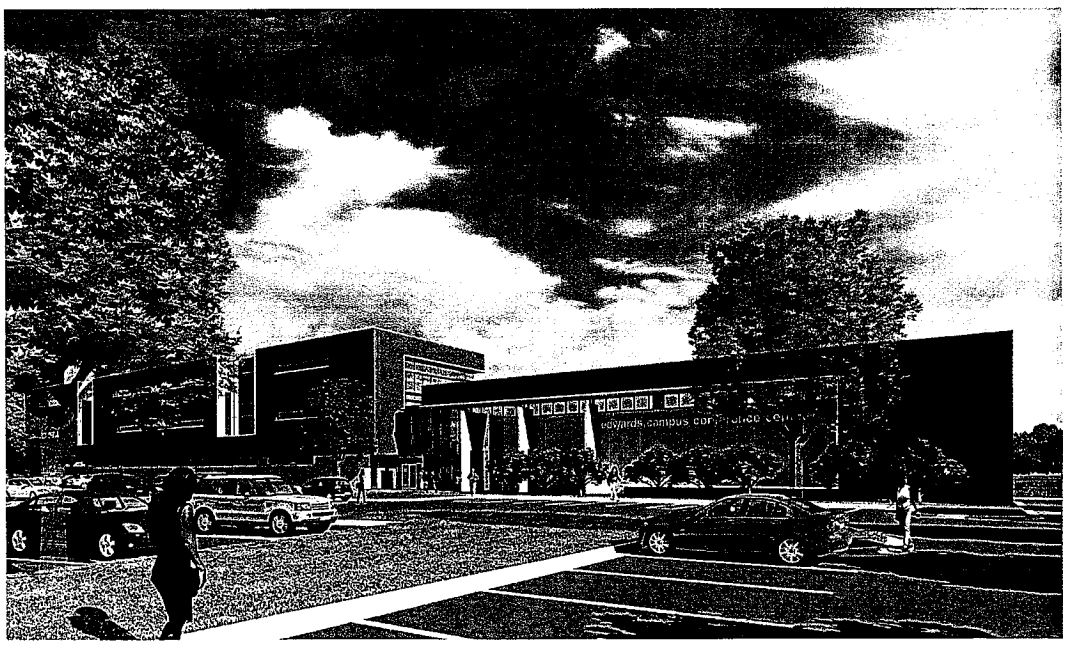


October 22, 2010 – View of the Southwest Corner of the Completed Building

Edwards Campus – Business, Engineering, Science and Technology Building - $24,950,000
Growth of the Edwards Campus continues to support Johnson County and the larger metropolitan area by providing programs focused on advanced degrees and career development, a growing program in undergraduate education and support for KU faculty and their research. Further expansion provides spaces that also serve as a community resource for use for business and community meeting and education sessions and presentation of cultural events including entertainment and lectures. This 75,000 gsf facility will have instructional classrooms, computer laboratory facilities, conference/seminar rooms and academic support offices. The project bid April 22, 2010. The project is under construction and scheduled to complete November 2011.



Aerial View Rendering of the New BEST Building



Rendering - New BEST Building – View of North side of Building

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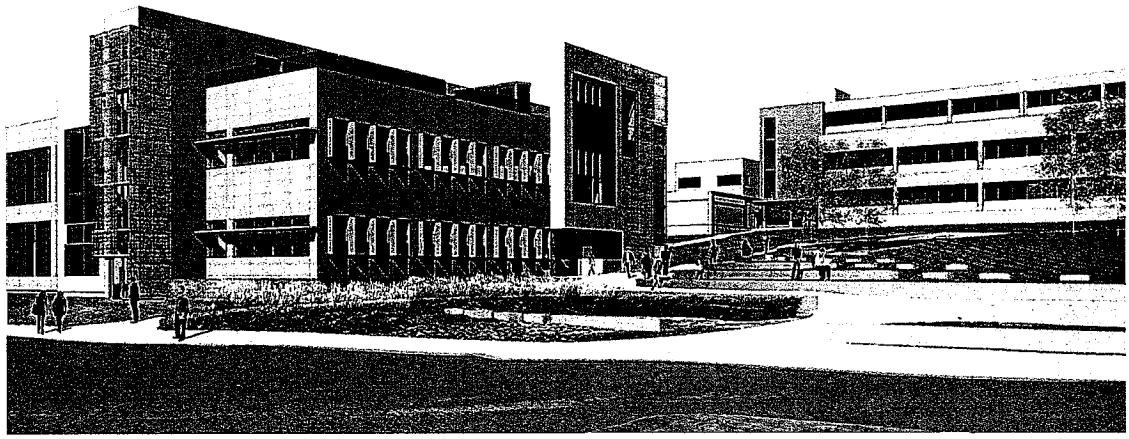
Measurement, Materials and Sustainable Environment Center (M2SEC) –



M2SEC Schematic Design Rendering – View of Southeast side of Building

The University of Kansas is constructing an interdisciplinary-focused research building design for an addition of 34,690 gross square feet on the School of Engineering (SOE) quadrangle. The building will be located towards the west end of the front lawn area of Learned Hall. SOE lacks a facility that would permit extensive research activities in Energy/Transportation, Global Change, Composite Materials/ Technology, and Sustainable Building Practices to be housed in a modern laboratory structure. Currently, faculty and graduate students (GS) are scattered among floors, buildings, and off main campus spaces, which typically lack adequate utilities and cannot support modern testing equipment. The National Institute of Standards and Technology (NIST) building program offers a significant opportunity, SOE has secured approximately $3 mil for equipment from USDOE, USDOT and NSF and wants to support programs in these focus areas. Uniquely, M2SEC will be used in a research effort to determine its own carbon footprint, energy savings, and sustainable practices and will serve as a test bed for new sustainable materials and energy-saving modeling the design and monitoring the operation of the facility.
The project budget is $21.6 million. NIST/Federal Stimulus will fund $12.275 million and the balance of money will be privately funded. The project has been approved by the Board of Regents. Treanor Architects were hired to design the facility and J. E. Dunn is the contractor. Construction is expected to start in the next 30 days.

Nichols Hall NIH Grant – Bioinformatics Computing Facility Core Renovation and Improvement - The proposal for the Bioinformatics Computing Facility Core. The University requested funding to renovate and expand 3,646 square feet in Nichols Hall designated as the Bioinformatics Computing Facility core (BCF). The renovated space will support computationally intensive multidisciplinary and integrative research projects in the life sciences. In addition this project will accommodate computing requirements for ten core service laboratories that provide analytical instrumentation and technical services to the University's

15-5

biological and biomedical sciences researchers. The proposed computational commons will be a sustainable, energy efficient data center for hosting existing and future assets dedicated to biological and biomedical computing. This renovated space will support a computing capacity twenty fold greater than currently available in a highly sustainable and energy efficient manner.

The project is currently in design and is required to comply to LEED design criteria, Davis Bacon Wage Rates, Buy American and other requirements of the grant. The project is funded by the National Institute of Health (NIH) and the budget is $4.65 million. Design is scheduled to complete March 2011 and construction complete May 2012.

Dyche Hall – NSF ARI-R2 Repair and Renovation: Advancing Research in Biodiversity
The Biodiversity Institute is primarily in Dyche Hall, one of the oldest buildings on campus and has an aging building infrastructure. The voice and data service, electrical system and the HVAC system is inadequate to support research computing lab of the 21st century. The project will renovate portions of 1st, 5th and 7th floors. Separate from the grant, HVAC and electrical system improvements are being made to the building and that work will be coordinated with this renovation. The grant project will modernize a suite of laboratories and a server room that support biodiversity research from genomics to ecosystems forecasting.

The University did receive the National Science Foundation (NSF) grant and we are in the process of releasing the advertisement to hire design services. The project budget is $1.5 million to be funded by NSF. This project will also be subject to LEED design criteria, Davis Bacon Wage Rates, Buy American requirements and other grant requirements. Bids are projected for September 2011 and completion of construction is scheduled for January 2013.

Lied Center Additions - The Lied Center is the facility for the performing arts. The original building was primarily funded by the Lied Foundation along with other KU Alumni sopport. The additions to the facility would provide a space where the visitors to the Lied Center can learn about the life of Mr. Lied and the history of the Lied Foundation Trust and construct an education pavilion where children, KU students and adults can gather and learn more about the performing arts. The additions will address the heavily congested lobby by expanding the first floor lobby space. The final component of the project is modest expansion of the office space for the Lied Center staff. The project will build approximately 8,000 square feet and is funded by a private gift funds. The project budget is $2.5 million. Design is complete and construction has started on the project.

Gertrude Sellards Pearson Renovation - $14,750,000 – This project was reviewed and approved by the Joint Committee a couple years ago but was put on hold to allow renovation of Jayhawker Towers A and D. We want to advise the committee the project is currently in design and scheduled to start construction in late May 2011and be completed by June 2012. The facility currently serves as a women's residence hall. The project will renovate 96,970 gross square feet of student rooms and public spaces. At the conclusion of the renovation, the residence hall will become co-ed. The project will be funded with revenue bonds issued by the Kansas Development Finance Authority and secured with a pledge of Housing System revenues. The University has bonding authority for $13,075,000 and the balance will be funded with Housing and Dining Services funds.

FY 2012 Capital Improvements Request

Deferred Maintenance - $214,906,655 Total; $26,440,000 for FY 2012 – We are asking for help in addressing the backlog of deferred maintenance.

The University appreciates that the legislature recognizes the extent of the maintenance problems we face and is willing to help. KU invests approximately $11 million annually for ongoing maintenance of our facilities to cover items such as air filters, fan belts, flush valves, replacing failed electrical motors and emergency repairs like failed chillers, transformers, etc. In recent years, KU has received approximately $4.4 million from the Educational Building Fund for the purpose of major repairs to our building infrastructure. Action taken by the 2007 Legislative Session initially identified approximately $39 million from Infrastructure Maintenance Program (IMP) and University Interest earnings (UI) over five years. However, we are still faced with a deferred maintenance backlog of $226 million.

We hope that the details that follow will help us to achieve a plan that both preserves and improves the infrastructure at KU.

The University of Kansas' main and west campuses contain approximately 1,000 acres, more than 150 buildings with a total area of 8.9 million gross square feet (GSF), including 5.9 million GSF that is covered under the deferred maintenance request. KU's GSF is 20% of the State's total GSF. The total replacement value of KU facilities is over $1 billion. 76% of the buildings are over 20 years old. Of the buildings included in the deferred maintenance request, 12 buildings are over 100 years old, 47 buildings are over 50 years old. The average age of KU facilities is 45.3 years.

Crisis management continues to be the University's mode of operation. The deferred maintenance backlog continues to grow and although inflation has moderated, it is a factor that continues to drive the cost of repairs higher and higher. We appreciate the funding plan for deferred maintenance for the period of FY 2008 to 2012 and understand the 2010 legislative session did not fund 2011 and 2012. This money we have received is helpful in slowing the rate of growth of the maintenance backlog. Without adequate funding to maintain these facilities, the rate of deterioration will only increase and the risk of a potential failure will proportionally increase. It is important to maintain and protect the valuable assets, facilities and infrastructure, used to carry out the University's mission of higher education and research.

Again we appreciate your past support with the Deferred Maintenance Program and request your support for future funding to address the backlog of deferred maintenance.

KU Cancer Center Initiative - $64,000,000 – Last year the University presented the Cancer Center for the Joint Committee approval. We want to advise the Joint Committee that the University has scaled down the project to Phase 1. The building is now a 108,000 gross foot facility suitable for interdisciplinary research in the life sciences primarily focused on cancer research. The building has also been identified as the Translational Bioscience Research Building (TBRB), a central component of KU's academic research initiative and KUCR's role in

the Cancer Center Initiative. There are adjacent facilities supporting the research associated with the multidisciplinary research projects, state-of-the-art analysis of small and large molecules and proteins, and expansion of promising drug discovery programs including those related to cancer research. We continue to seek KBA funding and other grant opportunities.

Parking Repair and Improvement Projects - $800,000 - This is our annual request for funding approval to spend $800,000 of parking fee funds to repair pavements and related improvements including new site lighting and associated storm water management. Several years ago we contracted with PEC and Chance Management to do a comprehensive study of parking. The final report recommended operating policy changes, planned parking lot maintenance and development of additional parking. The $800,000 per year was the recommended allocation to take care of the deferred maintenance of the parking lots over a period of 24 years.

Architectural Program

Dyche Hall - NSF ARI-R2 Repair and Renovation: Advancing Research in Biodiversity

KU Project No. 005-8830

A-011532

Date: November, 2010

Prepared by:

The University of Kansas, Lawrence Campus
Biodiversity Institute
Office of Design & Construction Management

Attachment 16
JCSBC 11-10-10

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Programming Committee

KU Biodiversity Institute: Leonard Krishtalka, Jordan Yochim, Linda Trueb, Greg Smith

KU DCM: Tom Waechter, Gary Lawson, Jessica Juarez, Steve Scannell

KU Center for Research: Michelle Ginavan Hayes

Introduction

In August 2009, the University of Kansas Center for Research (KUCR) submitted a grant proposal on behalf of the KU Biodiversity Institute (BI) to the National Science Foundation (NSF) in response to a Federal Funding Opportunity which was offered as part of the American Recovery and Reinvestment Act (ARRA) of 2009 economic stimulus program. The finally approved grant application was in the form of a Project Execution Plan (PEP), which is intended to identify the relevant research goals of the Biodiversity Institute, the current facility deficiencies that negatively impact the Institute's progress to attainment of those goals, and the logistics of a proposed repair and rehabilitation construction project to eliminate those deficiencies. The current revision of the PEP is attached to this program as Appendix A – *Project Execution Plan for University of Kansas, NSF-ARI-R2 Repair and Renovation: Advancing Research in Biodiversity Science.*

The concept design embodied in the grant application and in this program document represents the University's intent, and establishes the general scope and goals of the project. Further development, refinements and changes to the concept design shall be made in consultation with and approval of the NSF Federal Program Officer. The University team, the A-E consultant team and the construction team will all be required to comply with the directions and requirements set forth in the terms of the NSF grant award agreement, which is attached to this program as Addendix B – *Notice of Grant Award.*

The terms and conditions of this Federal Funding Opportunity will govern the delivery of this project, including the provisions of the Buy American Act and the Davis Bacon Act. Much of the reporting that will be required by the University will also require the cooperation and assistance of the A-E consultant and the Contractor.

Project Participants and Authorities

An important component of the PEP is a detailed discussion of the organizational structure for the proposed construction project. It will likely be informative for reviewers of this program (including prospective A/E teams) to review specifically the descriptions of three groups of project participants, i.e. the Integrated Project Team, the Internal Stakeholders, and the External Stakeholders.

Integrated Project Team

The integrated project team comprises those individuals who jointly created the PEP. These team members will be involved in all phases of the project design and construction. Communication with NSF offices will be through integrated project team members.

Internal Stakeholders

Internal stakeholders include members of the Building Users Committee (those individuals who will ultimately occupy the renovated spaces) and the Support Services group (those University administrative groups who are responsible for managing and maintaining the campus physical plant). Obtaining information from these individuals and departments will be critical to a comprehensive understanding of the University's expectations for operation and functionality of the finished spaces. In order to document that understanding the A/E team will be expected to facilitate preparation of the Owner's Project Requirements (OPR) document that is described in some detail in the Schematic Design Phase Deliverables section of this program.

External Stakeholders

The list of external stakeholders includes those local, state, and federal offices and agencies that, while not involved in specific project technical considerations, will monitor that the project is completed in accordance with established mandates for accountability. The A/E team is advised to become familiar with the review and approval authorities of each of the External Stakeholder groups listed in the PEP. Importantly, due to the funding source, certain of those mandates pertain to requirements of the American Recovery and Reinvestment Act (ARRA) of 2009. As described in the Design Standards & Consultant Services section of

this Program, the A/E team scope of services will include responsibility for documenting ARRA compliance throughout the project.

Code Requirements

Codes currently used on KU projects include the following:

- International Building Codes, 2006 edition.
- Kansas Fire Prevention Code, KSFMO, current edition.
- Other codes as listed at the State of Kansas, Division of Facilities Management (DFM) website: http://www.da.ks.gov/fp/ .
- Prospective A/E teams are advised to be aware of the following significant provisions of the applicable codes:
  - Construction Exiting: Temporary fire-rated exit corridors shall be provided through the construction site, if required to protect and direct occupants from all required exits in the surrounding occupied existing buildings to a public way. They shall remain in-place at all times while construction work is underway.
  - Existing exits and exit pathways cannot be blocked or removed, even temporarily, without alternative exit paths being provided that are approved by the authorities with jurisdiction.
  - Fire alarm systems shall comply with current code and KU requirements for an intelligent addressable system.

Site Improvements & Infrastructure

Site Improvements

The anticipated scope of work of this project is entirely within Dyche Hall. Provisions for site improvements are expected to be limited to identifying feasible contractor staging areas in the vicinity of the building.

Utility Services

The PEP anticipates the following impact to utility systems that support the project spaces:

- Major mechanical systems, including air handling units, chilled water, steam, and electrical services, which serve the project spaces, are expected to have sufficient existing capacity to support the planned renovations.
- Distribution systems for heating, cooling, and ventilation and electrical service to points of use will require modifications to suit the proposed new space arrangements and loads.
- Additional provisions for laboratory ventilation exhaust systems will likely be required.
- A significant upgrade of both the outside and inside plant IT system capacity will be required to meet Owner Project Requirements for the project.

Existing Hazardous Materials

The KU Environmental Health & Safety Office will test materials in the existing building and utility tunnels within the project work area for the presence of asbestos-containing materials that may require abatement. KU's policy is to remove all hazardous materials when encountered during the renovation of existing buildings. If required, this work will be separately-contracted by the University.

Hazardous Materials Associated with Engineered Systems in this Project

A major component of the scope of work for this project is construction of a Cryogenics Collection Storage area. The anticipated cryogenic material, liquid nitrogen, poses several significant safety hazards, including the potential for ultra cold temperatures, flammability, high pressure gas, resulting in over-pressurization of containers and pressure vessels, displacement of oxygen/asphyxiation. Appendix C - *Excerpt on Cryogenic Safety, from the University of Louisville EHS Safety Manual* has been attached to this Program as an aid to the prospective A/E teams' understanding of the issues that must be addressed by appropriate engineered systems designs.

Historic Preservation Reviews

The proposed new construction is located within a property that is listed on the State and National Registers of Historic Places. As such, it will be subject to review by DCM staff and by the Campus Historic Preservation Board (CHPB). The A/E team shall assist the University in developing the design in a manner consistent with the applicable historic preservation guidelines, and in presenting and reviewing it with applicable historic review agencies and committees.

Interior modifications and exterior maintenance work do not typically require an historic review. Exterior modifications or additions typically do require compliance with applicable guidelines and must follow review processes by the KU Campus Historic Preservation Board (CHPB) and the City of Lawrence Historic Resources Commission (LHRC). It is also subject to review by the City when the listed property is not on KU land, but a proposed KU project is within the listed property's 500' notification limits.

KU / City of Lawrence Agreement

This project does not fall within 150' of the perimeter of the University's property, so it will not be subject to the provisions of the KU / City of Lawrence Cooperation Agreement.

Design Standards & Consultant Services

- The A/E team shall comply with the latest provisions of The University of Kansas Design and Construction Standards, as maintained by the Office of Design and Construction Management (DCM).
  - These standards are available online at the DCM website: http://www.dcm.ku.edu/standards/design/
  - The consultant team shall also comply with supplemental updates to these standards which may be issued during the course of the project.
- The University's Project Representative shall be a DCM staff person assigned to serve as Project Manager, who shall serve as the primary point of contact for all communications between Owner, A-E and Contractor.
- Special Consultants that will be required on the A-E team, in addition to the usual A/E disciplines:
  - ARRA Compliance Auditor (the A/E team's scope of services for this project will include completing all of the administrative reporting necessary to meet compliance with ARRA reporting issued by NSF, the federal funding agency for this project. Prospective A/E teams are advised to review guidance sources listed within Appendix B - the Grant Award document.
  - Telecommunications System Engineer (must be pre-approved by the KU-IT department)
- Electronic Files: Consultants shall deliver to KU complete sets of electronic files for the drawings and manuals / specifications for each design review submittal, for the bid sets and for the as-built sets.

- Each set of electronic files shall include both PDF and AutoCAD .dwg files for each drawing sheet.

- Models, if produced by the consultant to explain the design, shall be delivered to and remain at KU, whether in physical built form or 3D CAD form.

Schematic Design Phase Deliverables

Schematic Design Submittal should include the following, at a minimum:

- All applicable items listed in Chapter 12, paragraph 3 of the DFM Building Design and Construction Manual, current issue... http://da.ks.gov/fp/manual/12_Design.pdf. .
- Confirmation of the feasibility of project space layouts. This will involve using program criteria contained in the PEP and in each figure number included in PEP Section 2 – Project Description to confirm that the proposed space layouts satisfy Owner's Project Requirements.
- Confirmation of the validity of the individual project space cost estimate. Included in Appendix A of PEP.
- Preparation of the Schematic Design phase Owner Project Requirements document (OPR-SD). The Project Execution Plan that is included in this program is considered to be the initial draft of the project's Owner's Project Requirements (OPR). The consultant team will be expected to make use of the PEP as well as user group input to facilitate preparation of the OPR-SD, which is expected to contain a compilation of the University's expectations for operating characteristics and functionality of the finished spaces. Key OPR sections will include:
  - Applicable codes & standards
  - Allowable tolerance in facility system operations, *example – document the total allowable annual hours of unscheduled server room loss of electrical power.*
  - Occupancy Schedules, *example – document user group expected hours or occupancy of program spaces and feasibility of reducing HVAC/Lighting use during non-occupied hours.*
  - Warranty requirements
  - Equipment and system maintainability expectations, *example – create a description of the procedures for re-charging the cryogenics research tissue facility dewars.*
  - Economics
  - Aesthetics
  - Systems integration requirements, especially across disciplines, *example – provide coordinated network notification on both the campus fire alarm network and the campus building automated controls system (BACS) of air unit trip on smoke detection.*
  - Acoustical requirements, *example - document any occupant activities that necessitate non-standard space noise criteria values.*
  - Accessibility requirements, *example – document AHJ approval of provisions for handicapped accessibility in the laboratory spaces.*
  - Constructability requirements
  - Training requirements for University personnel, *example – specify vendor training requirements for operating and managing the cryogenic storage/dispensing equipment.*
  - Operation and maintenance criteria for the facility, *example – provide energy use measurement instrumentation that meets University requirements.*
  - Quality requirements of materials and construction
  - Durability, *example – document appropriate finishes, including flooring material, for laboratory spaces.*
  - Security requirements, *example – document security protocol and hardware provisions in the research spaces and in the server room space that satisfy both occupant security needs and life safety code AHJ requirements.*
  - Functionality, *example – coordinate commissioning functional test procedures to incorporate operational readiness criteria identified in the PEP.*
  - Adaptability
  - Health, hygiene, and indoor environment requirements, *examples –1. document basis for establishing laboratory space ventilation rates and 2. – document the allowable low limit for O2 concentration of ambient air in the Cryogenic Storage area.*
  - Vibration requirements, example - *document any occupant activities that necessitate non-standard structure vibration criteria values.*
  - Communication requirements, *example – confirm that the project IT design includes installation both inside and outside plant equipment with adequate bandwidth to satisfy user requirements.*
  - Energy efficiency and environmental sustainability goals, *example – document that the design complies with current University energy policy.*

Design Development Phase Deliverables

Design Development Submittal should include the following, at a minimum:

- All applicable items listed in Chapter 12, paragraph 4 of the DFM Building Design and Construction Manual, current issue... http://da.ks.gov/fp/manual/12_Design.pdf. .
- Project Specific Code Footprint sheets. The A/E team is advised to review Design Requirements page of the KU-University Fire Marshall web site... http://www.ufma.ku.edu/designreq/ for guidelines for developing and processing the project code footprint.
- Energy Code Compliance documentation The A/E team is advised to review University Energy Policy... https://documents.ku.edu/policies/provost/EnergyPolicy.htm. Where this project features optional design solutions for designs of engineered systems, the A/E team will be expected to cost justify the recommended option. For recent remodel projects this justification has been most efficiently accomplished by use of the building energy simulation tool, eQUEST. Items that should accompany the expected Energy Code Compliance documentation include:
  - *Summary of each option's annual energy cost.*
  - *Monthly energy use, demand and cost profiles for both the baseline building and all other options considered at that phase in the design process. For example, during schematic design, I'd expect to see parametric simulations of possibly several HVAC systems, envelope options, etc. As the design is refined, I'd expect to only see results for the baseline building and proposed design.*
  - *Breakdown of energy end-use components for baseline and proposed designs*
  - *Description of the utility rates used*
  - *Building renderings, if applicable*
  - *Table of energy-related building parameters of the baseline and proposed building, e.g., envelope type and thermal properties; lighting, plug, and process load power densities, HVAC systems type and efficiencies, occupancy and system operating schedules, setpoints, ventilation rates. Highlight the proposed design's energy related features that exceed differ from the base design.*
  - *Building load summary (report SS-D in eQUEST)*
  - *Hourly demand profiles by end-use components*

Annual Maintenance & Operating Costs

Funding for annual maintenance and operating costs will come from University general funds. No state funding will be required to cover any of these costs.

Space Standards & Utilization Analysis

This project renovates existing space and does not add any new space to the University's space inventory.

Construction / Project Delivery Method

The University proposes to utilize a CM At-Risk process, in accordance with University regulations and guidelines developed by the KU Office of Purchasing Services and the KU Center for Research and Graduate Studies.

Project Budget

Construction Costs	
Demolition	215,200
Construction Costs	847,900
Sitework	2,200
Fixed Equipment	317,600
Subtotal - Construction Costs	**$1,380,700**
Miscellaneous Costs	
Fees - Consultants, CM, State / KU Agencies	226,600
Printing & Shipping of Bid Documents; Misc.	2,200
Asbestos & HazMat Abatement	incl. above
Construction Testing & M/E Commissioning	incl. above
Misc. Relocation Costs	NA
Bidding & Construction Contingency (4.8%)	95,126
Subtotal - Miscellaneous Costs	**$323,926**
Total Project Cost	**$1,704,626**

Notes:

1. Related work required to complete this project, such as restroom upgrades required to meet current code, are proposed to be separately funded and constructed.

Project Schedule

(The target dates below will be adjusted re: the actual grant award date.)

NSF Grant Award Notification to University	September 2010
Program Submission to Kansas Board of Regents	November 2010
Program Submission to Joint Committee for State Building Construction	November 2010
Advertise/Interview/Select A/E Consultants	December 2010
Negotiate Fees / Execute A/E Contract	January 2011
Advertise/Interview/Select Construction Manager (CM)	January 2011
Negotiate Fees / Execute CM Contract	February 2011
Program Review & Schematic Design (1 month)	January 2011
Design Development (2 months)	April - May 2011
Construction Documents (3 months)	June - August 2011
Asbestos Abatement	July 2011
Bidding (1 month)	September 2011
Contract / GMP Approval (1 month)	October 2011
Construction – Phase I (8 months)	October 2011 - May 2012
Commissioning / Occupancy – Phase I (1 month)	June 2012
Construction – Phase II (6 Months)	July 2012 – December 2012
Commissioning / Occupancy – Phase II (1 month)	January 2013
Project Completion (overall time from grant award = 27 months)	January 2013

Appendix A - Project Execution Plan (NSF Submittal)

This ARI-R2 project will bring a suite of research laboratories and a Server Room in the Biodiversity Institute (BI), University of Kansas (KU) into currency for 21st century research and research-training in biodiversity science, from genomics to species to ecosystem forecasting.

Need. The BI's hub for research/training, Dyche Hall—the oldest (1903) of its 6 buildings—has an aged infrastructure. **(1)** Cyber bandwidth (1gb to building; 100mb to desktop) is insufficient for large-scale data access, complex GIS and modeling analyses, or research networking within KU and externally. **(2)** Outmoded electrical transformers and overloaded circuits cause power outages and shutdowns of critical equipment and research. **(3)** Its Server Room is too small, and has insufficient power, HVAC and network capacity to continue to archive and serve terabytes of biotic and other environmental data to the BI and global community networks. **(4)** Its complex of research/training laboratories—for sequencing, biocomputation, and biotic, morphology and GIS analyses—are beset with makeshift, unworkable bench space, substandard hoods and sinks, overloaded circuits, and inadequate cyber service. In short, Dyche Hall's antiquated research infrastructure is the major hindrance keeping the BI from advancing its national and international leadership and innovation in biodiversity research and research-training—particularly now, when biodiversity science is recognized as one of the grand challenge research imperatives of the 21st C.

Solution. Two levels of renovation/repair are required. ***(A) Primary, building-wide infrastructure:*** The ARI-R2 project will upgrade cyber capacity to the building and Server Room (1gb to 10gb), and to the research workstation (100mb to 1gb). *A complementary $1.15 million project, funded separately by KU, will upgrade Dyche Hall's electrical and air-handling systems to current standards and anticipated growth specifications.* ***(B) Individual laboratories:*** The ARI-R2 project will provide for: **(1)** the expansion and consolidation of the Genomics Complex from 3 disparate labs into 5 integrated facilities with enhanced capabilities for sequencing, and new capabilities for cloning, biocomputation, and cryogenic management of 80,000+ biotic tissues, an irreplaceable genetic research resource; **(2)** new Biotic and Morphology Analysis labs for discovering organismal characteristics that complement and test genetic research; **(3)** a new GIS Analysis lab for synthesizing and predictive modeling of environmental phenomena; and **(4)** a new, 5-fold larger Server Room with high-watt density server racks, dedicated power and air-cooling systems for expanded archiving and serving the data for this research and research-training.

Intellectual Merit.—Despite an antiquated patchwork of common-use research laboratories, the BI has achieved national and international leadership in biodiversity science in research/research-training. This project will advance three cardinal transformations: **(1)** create a research infrastructure that is flexible and adaptable to a rapidly evolving landscape of research approaches, tools, techniques, and instrumentation; **(2)** provide previously unavailable research capabilities, e.g., cloning DNA, digitizing morphology for computational phylogenetic analyses; integrating natural systems and human systems modeling schemas for forecasting the impacts of environmental change; and **(3)** keep the BI's community of scholars/collaborators at the frontiers of transforming knowledge discovery in biodiversity science. Each will expand the BI's scope and scale of research/training in biodiversity science, and create integrative, collaborative and team-based research and research-training environments.

Broader Impacts.—A fourth transformation will be keeping the BI at the frontiers of training students as systems biologists across genes to ecosystems and their informatics realms. The BI, in partnership with five KU academic departments, is a global leader in the research/training of the next generations of biodiversity scientists, with 50–60 graduate students in residence annually. Further, the project will enable the BI to: expand its hands-on lab training in molecular techniques to undergraduates, including underserved minorities at a local tribal university; and bring biodiversity science to K-12 and public audiences via the BI's Natural History Museum.

RESULTS FROM PRIOR SUPPORT

NSF 0646470, Expansions of the Collections of the University of Kansas Natural History Museum and Biodiversity Research Center, 01/2007–12/2008, L. Krishtalka, PI; L. Trueb, co-PI, $498,821. This award enabled the purchase and installation of mobile compactor storage systems for the for relocation and rehousing of the Biodiversity Institute's (BI) entire entomological collection (160 cases, 4+ million specimens) and part of the ornithological (89 cases: skeletons, eggs) and mammalogy (224 cases) collections in a renovated BI research facility on West Campus. *The latter two research collections were moved from Dyche Hall on Main Campus as the Phase I project for renovating and expanding substandard research and research-training facilities.* Other project impacts include: training 8 graduate students and 9 undergraduates in the management and informatics of research collections and associated biodiversity data; state-of-the-art collection housing, conservation and access for research and research-training in biodiversity science.

NSF 0132303, The HerpNET Community Informatics Project: Development of a distributed information network of North American herpetological databases (HerpNET). L. Trueb, PI, $2.5 million, 5 years, 2002–2008. The HerpNET project established a global informatics network for biodiversity data associated with 36 national and international herpetological collections, which, during the tenure of the project grew to 66 participating collections totaling more than 5.5 million catalogued specimens and associated data from 370,000 georeferenced localities worldwide. Additional impacts include research-training of 111 undergraduates, graduate students, post-doctorates, volunteers, and staff members at participating institutions in georeferencing and principles of biodiversity informatics. The project designed materials for and hosted 12 workshops in 5 countries for 157 institutions, training a total of 277 people. Informatics innovations mapped HerpNET data providers dynamically on AmphibiaWeb and installed TAPIR and DiGIR information retrieval protocols in 78 institutions as a bridge to eventual union of other vertebrate research collections networks (MANIS, ORNIS, FishNET, refs. 7, 8, 10) into VertNET (ref. 6).

NSF 0553733, Understanding and Forecasting Ecological Change: Causes, Trajectories and Consequences of Environmental Change in the Great Plains, L. Krishtalka, PI, $1,823,138 April 1, 2006–Sep. 30, 2009. This interdisciplinary project developed a robust research infrastructure with Kansas State University to sense, analyze, model, and forecast the biological and ecological consequences of accelerating global changes on the Central Plains. At the Univ. Kansas, the project built a research collaborative of two new faculty—biodiversity and ecological modelers—plus 10 existing faculty, 11 research scientists, 28 graduate students and 17 undergraduates that acquired and integrated empirical biodiversity, ecosystem, land use/land cover and other environmental data[1,2] into modeling architectures for predicting the spread of diseases, invasive species and the impact of climate change on species distributions. Enhancements to cyber tools include the development of Lifemapper II for predictive modeling of species distributions[3] and a new wireless communication system that links field sensors to data archives.

A. THE OPPORTUNITY: ADVANCING EXCELLENCE IN RESEARCH AND RESEARCH-TRAINING IN BIODIVERSITY SCIENCE

Biodiversity research institutions and their biotic collections are sentinel observatories of the life of the planet, peering over its past 3.8 billion years, assaying its present condition, and forecasting its future. Their business is the science of biological diversity. They document, study and educate the populace about life on earth; its animals, plants, and microbes; its history, patterns and processes; and its levels of organization, from genes to species to clades to ecosystems. They educate and train successive generations of biodiversity research scientists: evolutionary biologists and ecologists, earth systems scientists, and informatics specialists.

Now, after 300 years of the systematic biological exploration of the planet, biodiversity research institutions are at a pivotal point in history. Their biocollections—their libraries of life and associated biotic data—are critical to meeting one of the grand challenges of the 21st century: harnessing knowledge of Earth's biodiversity and how it shapes global environmental systems on which all of life depends. This knowledge has never been more important to science and society—for managing natural resources, for sustaining human health, for ensuring economic growth, and for improving the quality of human life.[4] Urgent need for this knowledge increases daily as the conversion of natural systems to human-managed systems accelerates the decline of biological diversity. Medical science is concerned with the health of one species on earth; biodiversity science tackles the evolutionary and ecological pulse of the Earth's other 15 million or more species.

The Biodiversity Institute, University of Kansas (KU)

The Biodiversity Institute (BI) is a national and international leader in research and research-training in biodiversity science, ranked by a 2008 external review with Harvard University (Museum of Comparative Zoology), University of California–Berkeley (Museum of Vertebrate Zoology), and the Smithsonian Institution (National Museum of Natural History) in its academic programs, in the research quality of its biocollections, in the research productivity and impact of its faculty-curators, research scientists and students, and in the number, interdisciplinary training and success of its graduates. The BI is one of six KU-designated research centers; it reports to the Office of Research and Graduate Studies, and has an operating budget of $4 million in state ($3.2 million) and overhead/endowment ($800,000) funds. The BI comprises:

- all (2 buildings) or part (4 buildings) of six buildings on the KU campus (map, Supp. Materials);
- 13 research divisions (85,514 sf): Biodiversity Informatics, Global Biodiversity Modeling, Mammalogy, Ornithology, Herpetology, Ichthyology, Entomology, Invertebrate Zoology, Parasitology, Botany, Vertebrate Paleontology, Invertebrate Paleontology, Paleobotany, Archaeology;
- departments of Administration (5 FTEs) and IT Systems (2.5 FTEs for 300 workstations, 50 servers, 75 other networked devices)
- research biocollections (43,115 sf) and associated data of 8+ million specimens;
- 61 faculty-curators, research scientists, and professional support staff;
- 50–60 resident graduate students annually in PhD and MS research-training programs;
- a *Natural History Museum* (44,507 sf), with Exhibits and Education departments that bring informal science education to the University and public audiences through in-gallery, in-field, and in-school activities; and
- *The Commons*, dedicated to the interdisciplinary investigation of nature and culture and their reciprocal impacts across the sciences, arts, and humanities (in partnership with KU's Spencer Museum of Art and Hall Center for the Humanities).

Dyche Hall is the central BI research facility. It was built in 1903, with additions in 1964 and 1996 (fluid collection wing) to accommodate burgeoning growth in biodiversity research, in numbers of scientists and graduate students, and in research collections. Eight of its common-use labs, its Server Room and part of its research collections space are the focus of this ARI-R2 project. They serve all BI investigators and graduate students in research and research-training in "cradle-to-grave" biodiversity science from genes to ecosystems: for tissue cryogenics and preparation; for molecular sequencing of animals and plants; for specimen-based biotic preparation and morphological analyses; for archiving and serving terabytes of biotic and environmental data; for biocomputation and GIS modeling of evolutionary, ecological and environmental phenomena; and for providing research collections of fossil and modern vertebrates. "Antiquated" is the polite adjective for the state of Dyche and these research laboratories and facilities." They are fundamentally inadequate to meet the demands of 21st C research and research-training in biodiversity science.

Research. The BI's excellence in research derives from four primary strengths. First, its research faculty, staff, and graduate students (Tables 1, 2) have been immensely successful in forging research partnerships at multiple levels—within the University, nationally, and internationally. Second, with major, extramural funding, the BI has been at the frontier of developing innovative research tools and technologies, analytical approaches, and community informatics architectures in biodiversity science. Third, the BI has deployed these technologies and approaches to unite research disciplines in biodiversity science from genomics, global biotic surveys, phylogenetics, and evolutionary patterns and process to biocomputation, informatics, and GIS and ecological niche modeling of environmental phenomena. The BI serves these research tools, data and results to community biodiversity networks worldwide (e.g., Lifemapper[3], GBIF[5], VertNET[6], MANIS[7], ORNIS[8], HerpNET[9], FishNET[10], Specify[11], AToL[12]). And fourth, the BI's complex of laboratories in Dyche Hall is dedicated to common-use research and research-training in four focal areas that form a continuum in biodiversity science:

- **Planetary and Regional Biotic Surveys and Inventories** to discover and document the immense diversity of animal and plant biotas—their species composition, biogeographic occurrence and distribution, variation, and biotic and abiotic contexts.

- **Evolutionary Morphology and Morpho-informatics** to discover, through detailed examination, dissection, and imaging, the comparative morphological and developmental characteristics of individual species for systematic, phylogenetic, and macroevolutionary analyses and syntheses.
- **Systematics, Phylogenetics, and Macroevolution** to decipher the composition and evolutionary history, biogeography, relationships, patterns and processes of fossil and living biotas.
- **Biodiversity Modeling, Ecoforecasting, and Biodiversity Informatics** to integrate, synthesize and visualize biotic and other environmental data into predictive narratives and tests of biodiversity phenomena, including the impact of climate change on species distributions and ecological associations; the spread of zoonotic disease vectors, hosts and reservoirs; and the spread of invasive species and key ecological cohorts (e.g., pollinators and plants; hosts and parasites).

Statistics, as cynicism has it, is fiction in its most uninteresting form. Cynics aside, BI research statistics are evidence of outstanding productivity and excellence: $37.5 M in competitive, extramural funding in the past 5 years from federal (NSF, CDC, DoE, DoD and DoI), state and corporate agencies and, 546 peer-reviewed publications. Table 1 summarizes current grant-funded research projects, and Table 2 individual lab use in Dyche Hall by research scientists and students, across these four thematic areas.

Research-training. The BI, in partnership with KU departments (Ecology and Evolutionary Biology, Geology, Geography, Anthropology, Electrical Engineering and Computer Science), is a global leader in the training of the next generations of biodiversity scientists, with 50–60 graduate students in residence annually conducting research across biodiversity science. During the past 5 years, the BI and its departmental partners trained and graduated 31 MA and 27 PhD students, and currently hosts 16 MA and 40 PhD students and 5 post-doctorates. All projects listed in Table 1 involve grant-funded research-training. Excellent examples of are the NSF IGERT project, two Philippine survey projects, the KU-Kansas State Univ. Central Plains Ecoforecasting project, and the four AToL projects (Assembling the Tree of Life).

Further, the BI is providing hands-on lab training in molecular techniques and field-based training in biotic techniques to scores of undergraduates, including underserved minorities at a local tribal university, which lacks equivalent facilities for training. Through its partnership in current NSF IGERT and the KU-KSU Central Plains Ecoforecasting projects (PI Krishtalka is a co-PI on both; see Results from Prior Support, Table 1) the BI provides biodiversity science outreach to high school and undergraduate students as well as the public. The BI's Natural History Museum brings biodiversity science to 75,000 visitors and 30,000 schoolchildren annually in gallery, in-school, and in-field activities.

Table 1. Current grant-funded research projects across the BI's four thematic areas of investigation in biodiversity science (not including pending proposals, pending awards, or graduate student grants for research or research-training, e.g., Doctoral Dissertation Improvement Grants). Unless otherwise indicated, all PIs and co-PIs are BI research scientists. Color-coded thematic research areas are: (1) Green: Planetary and Regional Biotic Survey and Inventories; (2) Blue: Evolutionary Morphology & Morpho-informatics; (3) Orange: Biodiversity Modeling, Ecoforecasting & Biodiversity Informatics; (4) Yellow: Systematics, Phylogenetics & Macroevolution.

Research Projects	Thematic Research Area			
	1	2	3	4
NSF: *Collaborative Research—Biodiversity Surveys in the Southern Borderlands of the People's Republic of China*. PI AT Peterson, co-PI R Brown; D Clayton (U. Utah), B Lim (Royal Ontario Museum); 2004–2009, with 1-yr no-cost extension, $750,000	■	■	■	
NSF: *Collaborative Research—A Comprehensive Survey of Philippine Land Vertebrates and their Parasites*. PI R Brown, co-PI RG Moyle, co-PI S Bush, D Clayton (both U Utah); 2008–2013, $900,000	■	■		
NSF: *Collaborative Research—Biodiversity Surveys in the Eastern Gobi Desert,*	■			

Mongolia, PI AT Peterson, co-PI R Brown on U Nebraska (PI S. Gardner) subcontract; $620,000 2008–2012, collaboration among KU, U Nebraska, U New Mexico, Portland State, Hokkaido University, National University of Mongolia	■			
NSF: *Avian diversification across tropical Asia: A systematic and biogeographic analysis of babblers (Aves: Timaliidae)*, PI RG Moyle (KU); $225,000, 2008–2011, with Field Museum of Natural History	■		■	
CDC: *Forecasting Emerging Zoonotic Disease Transmission*, PI L Krishtalka, co-PIs AT Peterson, RG Moyle, J Soberón, R Brown, M Robbins & M Grose; $1,121,067, 2008–2009 with no cost extension to 2011	■		■	
NSF: *Survey of the aquatic insects of northern Venezuela with an emphasis on Coleoptera*, PI AEZ Short; $500,000, 2008–2012	■			
Wildlife Conservation Society: *Avian Influenza Surveillance in Africa and Asia*. PI AT Peterson, 3 grants, 2007–2009, total $120,000;	■		■	
Wildlife Conservation Society: *Biodiversity Research in New Guinea.* PI AT Peterson, 2007–2009, $30,000	■			
NSF: *Antarctic Ecosystems across the Permian-Triassic boundary: Integrating Paleobotany, Sedimentology, and Paleoecology*. PI EL Taylor, co-PI TN Taylor, 2007–2010, $411,497	■		■	
NSF: *DataONE (Observation Network for Earth).* Co-I D. Vieglais; PI W Michener (U New Mexico), co-PI R Cook, Oak Ridge National Laboratory; M Frame, USGS National Biological Information Infrastructure (NBII); S Hampton, National Center for Ecological Analysis and Synthesis (NCEAS), UC-Santa Barbara; K Smith, National Evolutionary Synthesis Center (NESCent), Duke U, 2009–2014, $20M	■		■	
NSF*: INTEROP: Creation of a Virtual Data Center for the Biodiversity, Ecological and Environmental Sciences.* Co-PI D. Vieglais*;* PI W Michener (U New Mexico); co-PI M Jones, National Center for Ecological Analysis and Synthesis (NCEAS), UC-Santa Barbara; K Smith, National Evolutionary Synthesis Center (NESCent), Duke U; 2008-2011, $749,408	■		■	
NSF: *Fossil microbes from the Rhynie Chert Lagerstätte*. PI TN Taylor, co-PI M Krings; $385,000, 2006–2009	■			
NSF: *Assembling the Tree of Life: Cypriniformes. Earth's most diverse clade of freshwater fishes.* PI G Arratia, 2004–2009, $398,966 with supplements. Collaboration among KU, Tulane U, St. Louis U, U Minnesota, U Alabama, U South Dakota				
NSF: *Assembling the Tree of Life*: *Collaborative Research: Assembling the Euteleost Tree of Life–Addressing the major Unresolved problem in Vertebrate Phylogeny*," PI E Wiley, 2007–2012, $309,985.00, collaborative with, U Nebraska, U Oklahoma, U Florida, Field Museum of Natural History, St. Louis U, Loyola U, Old Dominion U				
NSF: *Assembling the Tree Of Life: AmphibiaTree—an Integrated, Phylogenetic and Bioinformatics Approach to the Tree of Amphibians*. $237,000, 2003–2008, with 1 Yr no-cost extension: PI L Trueb, co-PI Brown, co-PI at KU; collaborative with U. Texas, Austin, U.C.–Berkeley, Harvard U.	■		■	
NSF: *Assembling the tree of life An integrative approach to investigating cnidarian phylogeny*. PI P Cartwright, co-PI D Fautin, co-PI AG Collins, $2,854,116, 2006–2011	■		■	
NSF: *Assembling the tree of life: Large-scale phylogeny of Hymenoptera*. PI M Engel, 2004–2009, $228,825. Collaboration with U Kentucky, UC-Riverside, American Museum of Natural History				
National Geographic Society: *Establishing Conservation Priorities for Philippine Tarsiers (Tarsius syrichta) Using Survey, Population Census, Bioacoustic, and Molecular Conservation Genetic Techniques to Identify Evolutionary Significant*	■			

Units for Conservation, PI R Brown PI; co-PI J Weghorst, Philippine co-PIs M Shekelle, I Neri-Arboleda, M Diesmos, Duya,; $24,605, 2007–2010.				
NSF: *Comparative Biogeography of Sulawesi—Phylogenetic and Coalescent Analyses of Diversification in Frogs, Lizards, and Monkeys.* PI R Brown, $244,481 2007–2010, with UC-Berkeley, McMasters U (Canada)				
NSF: *Revisionary systematics of Cheirurid trilobites.* PI B Lieberman, 2007–2010, $450,000,				
NSF: *Collaborative research: Phylogenetic reclassification and generic revision of the rove beetle tribe Staphylinini.* PI S Chatzimanolis, co-PI MS Engel, $235,258, 2008–2011				
NSF: *Collaborative research: Cretaceous insects and the origins of modern insect diversity.* PI M Engel, 2006–2009, $117,433				
NSF: *Planetary Biodiversity Inventory: A survey of the tapeworms (Cestoda: Platyhelminthes) from the vertebrate bowels of the Earth.* PI K Jensen, 2007–2012, $412,273, collaboration with U Connecticut ($3M award)				
NSF: *A survey of the elasmobranchs and their metazoan parasites of Indonesian Borneo (Kalimantan).* PI K. Jensen, 2004-2009, $211,458, collaboration with U Connecticut				
NSF: *Phylogenetics and evolution of Crassula (Crassulaceae).* PI M Mort, $289,577, 2006–2009				
NSF: *MRI: Acquisition of an Advanced Computational Infrastructure for Modeling Biological Systems,*. co-PI AT Peterson, with KU Information Technology and Telecommunication Center (ITTC), 2008–2010, $300,000.				
NSF: *ORNIS: A Community Effort to Build an Integrated, Distributed, Enriched, and Error-checked ORNithological Information System.* PI AT Peterson, co-PI M Robbins, D Vieglais, 2004–2009, $1,500,000				
DoD: *Global Emerging Infections Surveillance: Modeling the Potential Distribution of Mosquito Vectors of Infectious Human Diseases.* PI AT Peterson, 2008–2010, $167,000				
State of Kansas: *Systematic inventory for natural areas and habitat for protected and rare species in Anderson and Linn counties, and implementation of previous and current findings in northeast Kansas.* co-PI C Freeman, (PI K Kindscher, co-PIs W Busby, J Delisle, KS Bio Survey, $240,760)				
USDA: *Taxonomic concept mapping and associated data maintenance for the USDA PLANTS database.* PI CC Freeman, 2009–2010, $140,000				
Microsoft Research: *Ecological Niche Modeling in Theory and Practice.* PI J Soberón, co-PI AT Peterson 2007–2010, $550,000,				
NSF: *Understanding and Forecasting Ecological Change: Causes, Trajectories and Consequences of Environmental Change in the Great Plains.* L Krishtalka, PI, co-PIs E Martinko (KU-KBS), V Frost (KU-ITTC), W Dodds, J Blair, J Harrington (all Kansas State U), 2006–2009 $1,823,138				
NSF: *Effects of climate change on ecosystem services provided by Hawaiian coral reefs.* PI D. Fautin, co-PIs P Jokiel, RW Buddemeier (KU) $242,954				
NSF: *Building the Information Community Infrastructure—A Test Case Implementation for Ichthyological Collections.* PI, D Vieglais, 2003–2009,$750,000				
DoI: *Programming Support for Biodiversity Informatics Activities.* PI AT Peterson, co-PI L Trueb. National Biological Information Infrastructure, US Geological Survey, 2008–2012, $115,000/yr				
NSF: *IGERT: C-CHANGE: Climate Change, Humans, and Nature in the Global Environment.* PI J. Nagel, co-PI L Krishtalka, AT Peterson, J Soberon, D Braaten (KU-ITTC), D Wildcat (Haskell Indian Nations U), 2008–2013, $3M				

Table 2. Research and Research-Training Personnel showing Dyche Hall laboratory use across thematic research areas. Shaded cells/numbers denote use by researcher plus number of his/her graduate students. The 3 current common-use labs in the Genomic Complex are: *Amplification Lab* (no renovation requested) and *Sequencing Lab* (both Fl 5), and *Biocomputation Lab* (Fl 4). Of the areas designated for renovation in Dyche Hall, the Server Room and the Research Collections spaces (Fl 5, 7) serve all personnel and therefore are not listed here.

	Biotic Surveys & Inventories					Evolutionary Morphology & Morpho-informatics			Biodiversity Modeling, Ecoforecasting & Biodiversity Informatics					Systematics, Phylogenetics & Macroevolution				
Research and Research - Training User Community: Faculty-Curators, Research Scientists (# students)	**Genomic Complex–3 labs**	**Biotic Analysis**	**Morphology**	**Biocomputation**	**GIS**	**Biotic Analysis**	**Morphology**	**Biocomputation**	**Genomic Complex–3 labs**	**Biotic Analysis**	**Morphology**	**Biocomputation**	**GIS**	**Genomic Complex–3 labs**	**Biotic Analysis**	**Morphology**	**Biocomputation**	**GIS**
Arratia (1)	2		2				2									2		
Beach (2)				3								3	3					
Bentley	1			1										1				
Brown (7)	8		8	8	8							8	8	8		8	8	8
Campbell	1			1										1				
Cartwright (3)	4													4			4	
Chaboo (1)	2		2				2	2						2		2	2	
Duellman	1		1				1							1		1	1	
Engel (3)			4	4			4	4									4	
Falin	1		1	1			1	1						1		1	1	
Fautin (2)	3		3	3	3		3	3	3		3	3	3	3		3	3	3
Freeman (1)			2	2	2		2	2			2	2	2			2	2	2
Grose	1			1					1			1		1			1	
Benson	1		1	1			1	1						1		1	1	
Holder (1)							2	2				2				2	2	
James	1		1	1			1	1								1	1	
Jensen (2)	3		3	3	3		3	3						3			3	3
Lieberman (4)			5	5	5		5	5			5	5	5			5	5	5
Martin (3)	4		4				4	4			4	4				4	4	

Mort (3)	4		4	4	4		4	4						4		4	4	4
Moyle (2)	3	3	3	3	3	3	3							3	3		3	3
Peterson (8)	9	9	9	9	9	9			9	9		9	9	9	9		9	9
Robbins	1	1				1			1	1					1			
Schultze (2)			3				3									3		
Short (1)	2		2	2	2		2		2			2	2	2		2	2	2
Slade (2)		3								3						3		
Soberón (1)				2	2			2				2	2				2	2
Timm (2)	3	3				3			3	3				3	3			
Trueb (3)	4		4	4	4		4	4			4	4		4		4	4	
Vieglais				1	1			1				1	1				1	1
Wiley (5)	6	1	6	6	6	1	6	6	6	1	6	6	6	6	1	6	6	6
Postdoctorates																		
Blackburn	1		1	1	1		1	1	1		1	1	1			1	1	1
Miller				1	1			1			1	1					1	1
Welch														1			1	
Bush	1	1			1			1	1	1			1	1	1			1
Jiminez	1	1			1	1		1	1	1			1	1	1			1
Sanchez	1	1			1	1		1	1	1			1	1	1			1
Totals	**69**	**23**	**69**	**67**	**57**	**19**	**54**	**50**	**29**	**20**	**26**	**54**	**45**	**61**	**20**	**55**	**76**	**53**

B. Research Facilities: Needs and Solutions

The BI's national and international leadership in biodiversity research and research-training has been achieved in spite of Dyche Hall's failing infrastructure. Although BI research occurs in six buildings on Main and West Campus, Dyche Hall is the research and research-training hub for students, faculty and research scientists in the BI and in the departments of Ecology and Evolutionary Biology, Geology, and Geography. Seven of its core common-use laboratories form a framework for research and research-training in integrating genes-to-ecosystem biodiversity science (Table 3): a *Genomics Lab Complex* (currently 3 labs), the *Morphological Analysis Lab*, the *Mammalogy Preparation* and *Ornithology Preparation* labs, and the *GIS Analysis Lab*. Six of these seven labs suffer from major deficiencies ranging from makeshift, unworkable bench space to archaic and failing electrical, HVAC, and cyber service. Therefore, two levels of renovation/repair are required to modernize Dyche Hall's research complex for 21st C science: (1) Primary, building-wide infrastructure (cyber, electrical, HVAC*), a KU commitment*; and (2) individual laboratory facilities (ARI-R2).

B. 1 Dyche Hall: Building-wide Cyber, Electrical, HVAC, and Server Room

Need. Built in 1903, Dyche Hall is a stately building on the National Historical Register and the second oldest on campus. Despite additions in 1964 and 1996 (Fluid Collection wing), it suffers from an aged infrastructure and years of deferred maintenance. The ***cyber service*** from the KU Computer Center (@1gb), the oldest on campus, is a mix of copper, older multi-mode and newer single-mode fiber; within Dyche, a single-mode riser branches to 100mb copper switches that serve the research/training areas targeted for renovation. These bandwidths are insufficient for complex biodiversity GIS and modeling analyses and visualization, and for research networking with KU and external collaborators.

The current ***Server Room*** (6th Fl, Dyche; 94 nsf), overseen by co-PI G. Smith (Senior Systems Admin), archives and serves terabytes of biotic and other environmental research data to the entire BI and global community networks[3,5–12]. Designed originally as an office, it is too small for current and anticipated data

storage and server needs, and has limited network capacity with only 12 100mb network jacks. It lacks sufficient electrical service and backup power to support the HVAC system, which, in turn, lacks humidity controls, redundancy, or fail-safe mechanisms that are standard for cooling server facilities. As a result, repeated electrical overloads have caused system failures and threatened the loss of mission-critical data.

Finally, some of Dyche Hall's **electrical** wiring still dates to the 1930s. Increased electrical demand caused by generations of jury-rigged solutions, air conditioners, and additions of major equipment (e.g., genomic, workstations, servers, etc.) have led to disastrous combinations of outmoded transformers and circuitry. This regularly results in overloaded circuits, power outages and shutdowns of critical research equipment and ongoing research. As the 2008 review of the BI concluded, Dyche Hall's substandard research infrastructure is the major hindrance keeping the BI from further advancing its national and international leadership and innovation in biodiversity research and research-training—particularly now, when national agencies have declared biodiversity science as one of the grand challenge research imperatives of the 21st century[4].

Solution. ***Cyber:*** The ARI-R2 project will upgrade cyber capacity within Dyche Hall and the targeted research areas from 100mb to 1gb, and the service to the building from 1gb to 10gb, including 10gb switching equipment for Dyche and the Server Room and 10gb-capable Category 6A cabling from the Dyche Hall wire-closet to the Server Room. Plans for a campus-wide 10gb backbone include equipment at the KU Computer Center to serve Dyche Hall.

A 5-fold larger ***Server Room*** (Fig. 2; 368 nsf for equipment + 120 nsf mechanical) with expanded server capacity will be installed in the *Research Collections* space on the 5th Floor. It will house server clusters in high-watt density server racks (4, initially), with dedicated electrical and mechanical equipment to support the power and air-cooling capacity at the racks. The HVAC design features Liebert CRV-like row cooling, including iCom networking controls, digital Scroll compressors and EC Variable speed fans with built in humidity monitoring and control, which provides greater load matching capability for cooling and air movement as well as high efficiency. The design accommodates adding racks in the future. Two 80kvA UPS units (like the Liebert NX Softscale) with dual path source power circuits will be installed initially, allowing for upgrades in 20kVA increments to 120kVA. They provide an initial 20 min reserve time at 80kvA for a controlled server shut-down and 12 min at the maximum 120kvA. A power distribution unit/main bypass will include a 3-breaker maintenance bypass with interlock, distribution panel boards and full monitoring. *A complementary $1.15 million project, funded separately by KU from other sources, will upgrade Dyche Hall's* ***electrical and air-handling systems*** *on Floors 5, 6 and 7 to current standards and anticipated growth specifications.*

B.2 Dyche Hall: Individual Laboratories

B.2.1 *Genomics Laboratory Complex—Cryogenic Research Tissue Facility (1st Floor); Tissue Preparation, Sequencing, Cloning/Extraction, Biocomputation (5th Floor)*

B.2.1.1 Need: Cryogenic Tissue Facility (1st Floor). Tissues for genomic analysis are currently maintained on the 5th Fl in seven –80°C ultracold freezers, which are inefficient, expensive to operate, and prone to electrical outages and compressor failures. They are neither as dependable nor as cost effective as a liquid nitrogen cryogenic system in ensuring the genetic integrity of this irreplaceable genomic research resource. Cryogenic storage is all the more critical as biologists target more thermally sensitive biomolecules, such as mRNA for gene expression, and cDNA for library development, which will occur in the new *Cloning/Extraction Lab*, 5th Fl, see below. It also permits preservation of chromosomes and cell suspensions, which are stored in fixatives that thaw at temperatures only slightly above that of liquid nitrogen[13].

Table 3. Major ARI-R2 improvements in research facilities. Shading denotes major improvements in research/training space and/or new research/training capabilities. Red denotes new research/training capabilities.

Old Research Lab/Space	Net SF	Renovated Research Lab/Space	Net SF	FL	Text Fig.
130A Fluid-specimen Processing	*146*	130A **Cryogenic Research Tissue Facility**	***302***	1st	1
502J Morphology Lab	*517*	515 Sequencing Lab	***594***	5th	2
502L Sequencing Lab	*201*	517 **Tissue Preparation Lab**	***201***	5th	2
502E Osteological Preparation	*189*	511 **Cloning/Extraction Lab**	***189***	5th	2
502D Computation Lab	*251*	509 Biocomputation Lab	*251*	5th	2
604A Server Room	*94*	502 Server Room 502A Server Room (mechanical)	***368*** ***120***	5th	2
502 (part) Research Collection	*739*	504 Morphology Analysis Lab, 506 Morphology Analysis (Imaging)	***530*** ***209***	5th	2
709D & 711A Ornithology Prep-aration & Research Collections	*221*	711 Research Collection	*221*	7th	3
701 (part) Research Collections	*221*	702 Biotic Analysis Lab 702A Biotic Analysis Lab (storage)	***890*** ***127***	7th	3
713 (part) Research Collection	*580*	713 (part) **GIS Analysis Lab**	***600***	7th	3

Solution. A small lab currently used for processing research collections of alcohol-preserved specimens will be repurposed and expanded to house the BI's burgeoning research tissue collection of more than 80,000 specimens. The renovation will create appropriately conditioned space (Fig. 1; 302 sf) for: (1) 4 liquid nitrogen cryogenic freezers (dewars), each of which holds 81,900 tissue vials; (2) an L-shaped lab bench for tissue specimen handling; and (3) an alarmed O2-monitoring system that safeguards against major dewar failure and release of subliminated nitrogen. The dewars will be connected via double-walled, vacuum-jacketed stainless steel piping to a bulk liquid nitrogen container (a microbulk™ tank), which, because of minor but regular nitrogen off-gassing, is typically mounted outdoors—in this case, along the north wall of Dyche Hall adjacent to the lab (Fig. 1). A local vendor, Praxair, Inc., will provide the dewars, their ancillary components, and the liquid nitrogen. Initially, two dewars will be installed in the Cryogenic Facility. *The BI will purchase and install the 2 dewars and lease the microbulk unit with other, non-ARI-R2 funds (~$105,000).*

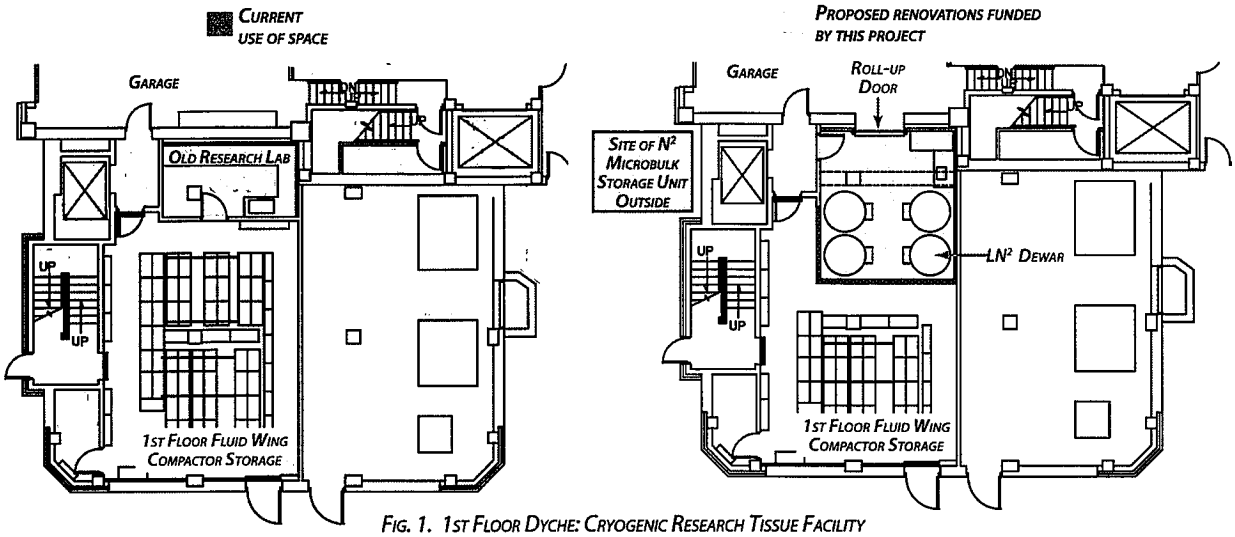

FIG. 1. 1ST FLOOR DYCHE: CRYOGENIC RESEARCH TISSUE FACILITY

Installing the Cryogenic Tissue Facilities requires expansion into part of the fluid-collection wing on Level 1 that houses alcohol-preserved research collections. Current ventilation, temperature, and humidity control is provided by a 100%-outside air supply/exhaust system, which keeps the temperature below 60°F to minimize evaporation of ethanol. A high rate of air exchange guards against the buildup of highly volatile fumes. The new wall between the Cryogenic Facility and the fluid collections necessitates installation of a separate fan-coil unit for heating/cooling the Facility. Exhaust of nitrogen gas from dewar boil-off will require a variable frequency drive exhaust fan, typically operating at low ventilation rates for energy efficiency, but with capacity, during an emergency condition, to exhaust an uncontrolled release of nitrogen gas.

B.2.1.2 Need: Sequencing, Cloning/Extraction, Biocomputation, Tissue Preparation Labs (consolidated on the 5th Floor). With its newly acquired 48-capillary ABI 3731S sequencer, the *Genomics Lab Complex* serves the entire BI, as well as faculty, research scientists, and students in Ecology and Evolutionary Biology (EEB)—approximately 65–80 investigators—and is operating at 75% capacity. The complex is overseen by a BI faculty/curator (R. Moyle), managed by a lab director (M. Grose), and advised by a board of research scientists.

Although the common-use *Genomics Lab Complex* serves a unitary research and research-training purpose, it is currently dispersed in three lab spaces on two floors of Dyche Hall (Table 3). Molecular work occurs in two labs (***Sequencing***; ***Amplification***) on the 5th Floor (Fig. 2, left), whereas sequence alignments and complex phylogenetic analyses are conducted in the ***Biocomputation Laboratory*** on the 4th Floor.

The ***Biocomputation Lab*** consists of a computer cluster and software purchased with grant funds by BI researchers, and serves the same clientele as the *Sequencing* and *Amplification* labs, approximately 76 research scientists and students. The word "laboratory" here is a loose term for tables sandwiched between library shelves in a room that lacks sufficient electrical and cyber capacity for high performance computation. Research and research-training effectiveness dictate that an expanded *Biocomputational Lab* be installed adjacent to the *Sequencing and Amplification* laboratories on the 5th Floor (Fig. 2), and equipped with appropriate bench, electrical and cyber capacity for current needs and anticipated growth.

The ***Sequencing Lab***, currently used by ~69 research scientists and students, is too small for multiple sequencing operations and lacks the minimum factory-recommended bench space for the ABI 3730S. Older equipment (16-capillary ABI machine, a LYCOR analyzer and thermocyclers) cannot be used owing to lack of space and electrical capacity. The need is for a larger *Sequencing Lab* (in the current *Morphology Lab* space) adjacent to the *Amplification Lab* (Fig. 2).

A ***Cloning/Extraction Lab***, isolated from the current *Amplification Lab*, is required to amplify ancient DNA to ensure against contamination. Cloning is at the forefront of modern genomics techniques and requires

positive air pressure and a Biosafety Cabinet/Hood, and space for incubator ovens, a bench-top autoclave, and refrigerator. The project will renovate and re-purpose the current *Osteological Preparation Lab* adjacent to the *Amplification Lab* (Fig. 2, left).

Finally, the *Genomics Complex* requires an adjacent ***Tissue Preparation Lab*** for the quick, safe, and uncontaminated handling and transfer of tissues to the *Amplification and Sequencing labs*. Installation of a *Tissue Preparation Lab* (in the current *Sequencing Lab* space, Fig. 2) complements the shift from ultracold freezers to a liquid nitrogen (Cryogenic Tissue, 1st Fl) system.

Solution. A 5th Floor suite of 4 new consolidated Genomic Laboratories (Fig. 2, Table 3)—*Sequencing, Cloning, Biocomputation, Tissue Preparation*—will be designed, installed and equipped as combination wet and dry facilities for preparing, manipulating and analyzing biological material for molecular investigations. *In a separate project funded by KU, the suite's air conditioning/ventilation system—a 1962-vintage multizone central station air handler—will be replaced by a roof-top air supply unit and new equipment for air-handling supply.* This system will provide one-pass 100% outside air and variable volume/reheat supplies, with exhaust systems controlled to track supply volumes and maintain appropriate space pressure differentials relative to adjacent spaces and ambient conditions. Complementarily, the ARI project will install the ducting, pressure-independent variable air-volume boxes with reheat coils, and the lab suite's exhaust hoods.

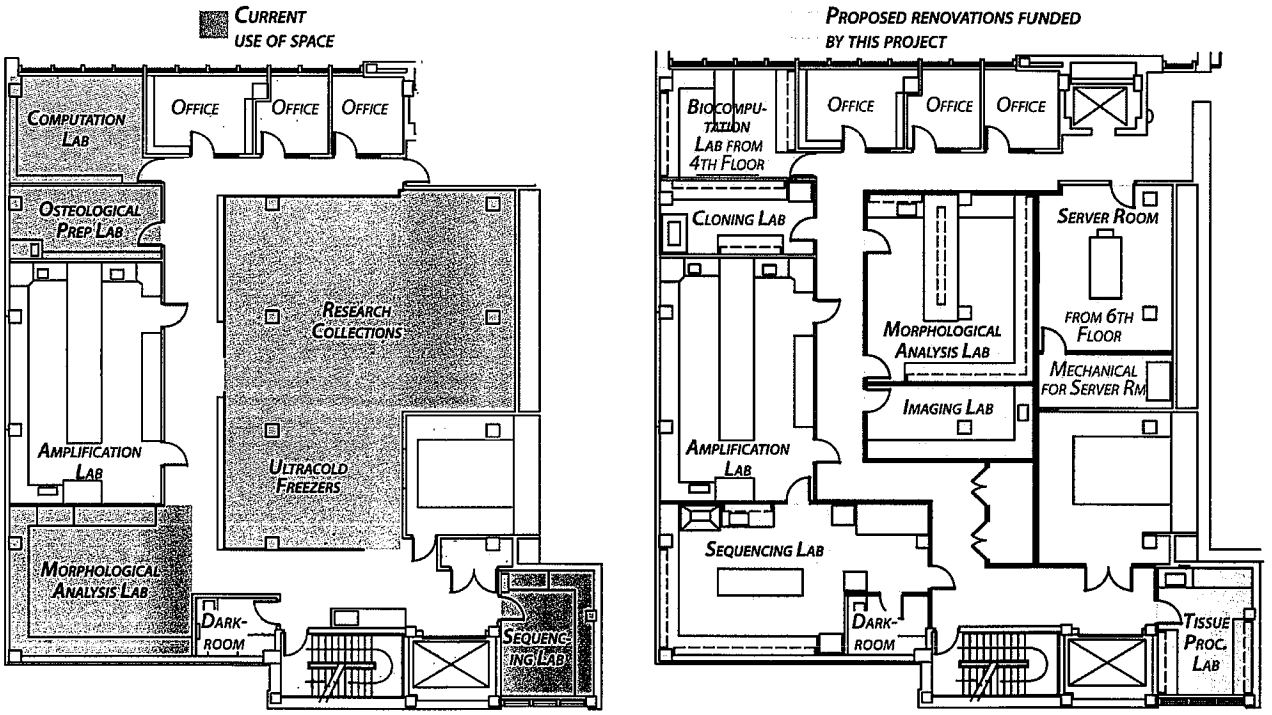

FIG. 2. 5TH FLOOR DYCHE: GENOMICS LAB COMPLEX, MORPHOLOGICAL ANALYSIS LABS, BIOCOMPUTATION LAB & SERVER

The new ***Sequencing Lab*** (Fig 2; 594 nsf; capacity 10) will house the ABI 3730S sequencer, with a center island for 6 thermocyclers, lab benches around the periphery for PCR amplification and loading the sequencer, and a hood with air, gas and water. The new ***Tissue Preparation Lab*** (Fig 2; 201 nsf; capacity 3) will house two –80°C ultracold, short-term storage freezers (with CO2 backup units) for handling, processing and transfer of tissue samples to and from the cryogenic dewars (1st floor). The new ***Cloning/Extraction Lab*** (Fig. 2; 189 nsf; capacity 3) reserved for ancient DNA extractions, will be isolated against possible contamination with positive air pressure and a Biosafety Cabinet/Hood with sink. The new ***Biocomputation Lab*** (Fig. 2; 251 nsf; capacity 10) will serve sequence alignment and systematic, phylogenetic and macroevolutionary computational analyses. Designed solely as a high-performance computational lab, it will house 8 workstations and a 16-node computational cluster with appropriate electrical capacity, cyber access and UPS security.

B.2.2 *Morphology Analysis Laboratories (5th Floor)*

Need. The current *Morphology Lab* (Fig. 2), overseen by Prof. Ed Wiley, serves ~54 researchers (Table 2) studying/dissecting specimens of fossil and living organisms to discover phenotypic characters with systematic, taxonomic, developmental, evolutionary and phylogenetic signal. The lab remains unchanged from the 1960s, when it was designed for cataloguing anthropological artifacts (then housed in Dyche Hall) and is dysfunctional for its current use (photo, Supp. Materials). Biotic material studied in this lab is preserved in alcohol or glycerin, dry preparations (e.g., skins, bones or fossils); and histological, both cleared-and-stained and prepared as slides.

Basic needs for research and research-training that are either lacking or substandard in the current lab include: (a) exhaust hoods for research work on specimens preserved in volatile fluids; (b) appropriate sink and waste-disposal facilities; and (c) 10 research stations (benches/counters) to accommodate microscopic investigations, each equipped with appropriate storage, lighting, electrical, and cyber access. Virtually all morphological material requires microscopic study (dissecting to compound) with computer-aided imaging and morpho-informatics capacity. The equipment is expensive and requires security; the current area is open and not securable.

Solution. The ***Morphology Analysis lab*** (Fig. 2; 530 nsf; capacity 10) is designed for whole-specimen dissections, preparations of cleared-and-stained specimens, examination of wet (ETOH and glycerin) and dry (osteological) specimens. Imaging equipment, attached to high-quality dissection microscopes with drawing tubes, will be located in an adjacent imaging lab (Fig. 2; 209 nsf; capacity 3) for security. Vibration is not an issue for this or any room in this 1964 wing of the 5th Floor, which was constructed with poured-in-place concrete as an anti-vibration measure for housing research collections.

B.3 Biotic Analysis and GIS Analysis Laboratories, Research Collections (7th Floor)

Need. The two current Research Preparation Laboratories for Ornithology (221 nsf; photo, Supp. Materials) and Mammalogy (357 nsf; Fig. 3, top), overseen by Museum Specialist M. Robbins and Curator R. Timm, respectively, are more than 50 years old and are too antiquated to serve their research function—the preparation and analysis of voucher specimens of birds and mammals from worldwide biotic surveys and inventories. Specifically, they lack venting (exhaust and fume hoods), biosafety cabinets, benches and electrical and plumbing service that comply with current industry and safety standards (photo, Supp. Materials). More seriously, the Ornithology lab is not in compliance with modern fire regulations requiring access to a smoke-free corridor.

The current GIS "Laboratory" (Fig. 3, top), overseen by Distinguished Prof/Senior Curator A. T. Peterson, serves research and research-training in GIS and ecological niche modeling of biodiversity and other environmental phenomena that incorporate the data associated with the biotic collections (Tables 1, 2). The term "Laboratory" is a euphemism for an ad hoc row of high performance computers on low-performance tables, which inhibits research-training and student team projects (photo, Supp. Materials). The area suffers consistent power outages owing to remnants of 1930s electrical wiring, and has inadequate cyber access and bandwidth for downloading large datasets and serving GIS models and visualizations.

Solution. A common ***Biotic Analysis Lab*** (Fig. 3; 890 nsf + 127 nsf storage) will combine the research specimen preparation and training functions of the current Mammalogy and Ornithology labs, both of which will be demolished—the former for bathrooms and a research office/lab (*both KU-funded*), and the latter for expanded **Research Collections** facilities. The *Biotic Analysis Lab* will be installed as a wet lab space in 890 sf currently occupied by Mammalogy research collections (Fig. 3, top), which will be moved to the *Combined Research Collections* space upon the demolition of the Ornithology Lab. Specifications for the air supply and exhaust systems are the same as those for the 5th Fl lab suite (see B.2.2 above), with roof-mounted air handling equipment.

Two companion projects, *both funded by KU*, will (1) replace existing electrical service panels that power area receptacles; and (2) for student research-training, install research offices for 18 graduate students in the 2200 sf between the *Biotic Analysis Lab* and the north wall (Fig. 3).

GIS Analysis Lab. The GIS Lab (Fig 3; 600 nsf) will be installed as a central research and research-training "court" surrounded by student and post-doctorate research offices (1,819 nsf on architectural drawing). Two four-sided, cyber-wired lab benches with a connecting bench will form the hub of the lab, providing eight GIS seats, a counter surface for printers and maps, and a white board. A separate project, *funded by KU*, will replace the existing electrical service panels with larger capacity units. The existing air conditioning/ventilation unit is suitable for the future GIS Lab. However, distribution ducting, VAV boxes, and discharge diffusers will be modified as necessary to accommodate the revised space configuration.

C.

5th Floor

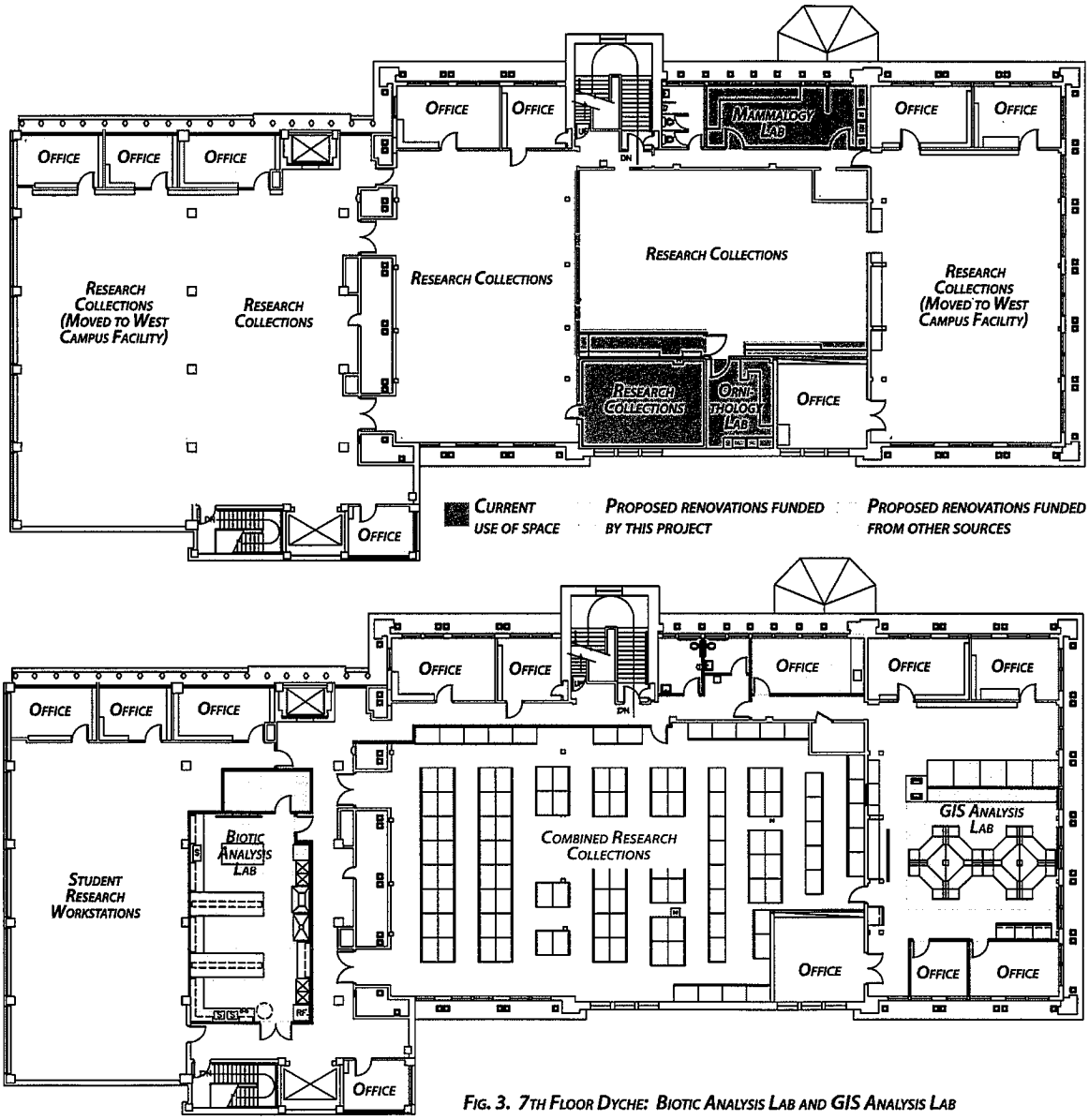

Fig. 3. 7th Floor Dyche: Biotic Analysis Lab and GIS Analysis Lab

Genomics Laboratory and Database Server Room

Laboratory Suite

A suite of laboratory and office spaces will be created for the purpose of preparing and manipulating collections specimens, including performing DNA extractions and sequencing. The total suite floor area will be approximately 4,900-sq.ft. Because of the nature of the work to be performed in the laboratory spaces, these rooms will be considered and supported as combination wet and dry laboratory spaces.

Rooms will be fitted with biological safety cabinets and/or ventilation fume hoods, as necessary for the specimen manipulation planned for each space. All comfort conditioning, ventilation air for the suite will be conditioned one-pass 100% outside air. The ventilation system will feature variable volume/reheat supplies with exhaust systems controlled to track supply volumes and maintain appropriate space pressure differentials relative to adjacent spaces and ambient.

The existing space is served by a 1962-vintage multizone central station air handler, which is not suitable for continued use in the proposed remodeled space. A separately funded project (KU project number 058/8850 – Dyche Hall Mechanical and Electrical Improvements) will remove and replace this, and three other existing building air handlers, with a common roof-top located air supply unit. The scope of work of this grant project will not include installation of air handling supply equipment but will include installation of air distribution ducting, pressure independent variable air volume boxes with reheat coils, and the suite exhaust system.

Server Room

Also included in the remodel space will be a computer server room, which will house computer clusters in high watt density server racks. This server room space will be supported by dedicated electrical and mechanical equipment designed to provide very high availability of the processing capability of these computer clusters. The room layout and arrangement, as well as the configuration of equipment specified for installation will provide capacity for significant future expansion of computing power.

The high density server environment requires large amounts of cooling air CFM at the racks to cool them. The design will feature in-row cooling similar to Liebert CRV units, including iCom networking controls, digital Scroll compressors and EC Variable speed fans with built in humidity monitoring and control. This design approach is intended to allow for greater load matching capability from both a cooling and air movement prospective while maintaining high efficiency both at initial occupancy and in dealing with future expansion. This proposal contemplates starting with 4 racks.

Proposed UPS units will be similar to Liebert NX Softscale unit with dual path source power ciruits. This proposal contemplates two 80kvA units initially installed that can be upgraded in 20kVA increments to 120kVA in the future. The units will have an initial 20 minutes reserve time at 80 kVA and w/o changes would provide 12 minutes at the maximum 120kvA size. The PDU/MBP will include a three breaker Maintenance Bypass with kirk key interlock, distribution panel boards and full monitoring. The criteria below will be used to specify and design server room equipment and layout.

Server Room Basis for Design:

- Provide for immediate installation of three- 43U racks, with provisions to add a fourth.
- No raised floor.
- Critical power for uninterruptable power supplies (UPS) to be placed in separate, adjacent equipment room.
- Serve room cooling provided by in-rack cooling units w/ expansion capacity as rack watt density increases.
- Provide for initial electrical densities of 15-kW per rack, with the understanding that this density may double over the useful life of the space.
- Provide for formal development of "A" -side/"B"-side power feed to dual power cord-equipped servers.
- Provide for redundancy of UPS service to the servers, with battery support for at least 20-minutes upon lose of utility power. No generator.
- Provide for redundancy of space cooling.
- Provide for economizer-type space cooling during times of low ambient temperatures (i.e. - Liebert Glycool (tm)).

7th Floor – GIS Laboratory and Study Area Spaces

Grant application proposed work for the seventh floor features remodeling of three separate and distinct spaces. The seventh floor of the south 1901 addition will be remodeled for conversion to digital, dry lab space that will provide a computer-intensive space for ecological modeling, and for maintaining and manipulating a large GIS database. This remodel work will result in an approximately 2,300-sq.ft. GIS laboratory work area. The seventh floor north end, 1962-addition, work will involve remodel of two additional spaces. A Biotic Analysis Laboratory will be created to provide an area for preparation of dry bird and mammal specimens. This wet lab space will be approximately 890-sq.ft. floor area. A separate and adjacent space will be remodeled to create a graduate and post-doc student study area of approximately 2,200-sq.ft.

GIS Laboratory Suite

The existing air conditioning/ventilation unit that serves the proposed GIS lab space is suitable for conditioning/ventilation of the GIS laboratory grant space. Distribution ducting, VAV boxes, and discharge diffusers will be modified as necessary to accommodate the revised space configuration.

The critical utility component of the remodel of this space will be providing adequate electrical capacity for multiple computer workstations. Existing circuiting for general use receptacles in this area is marginal for existing space uses and totally inadequate for the intended use envisioned by this Grant Application. A separately funded project (KU project number 058/8850 – Dyche Hall Mechanical and Electrical Improvements) will replace the existing electrical service panels that support general use receptacles is this area. Replacement panel capacity will be specified to accommodate the increased electrical loading that will result from conversion of this grant space to computer laboratory.

Biotic Analysis Laboratory

This 890-sq.ft. laboratory space will be treated like a wet lab space. Ventilation/conditioning air supply and exhaust systems will be designed as single pass 100% outside air. The laboratory will share supply air conditioning/ventilation equipment, as well as fume hood exhaust and general lab area exhaust equipment that roof-top located equipment that serves the 5th floor genomics laboratory spaces.

A separately funded project (KU project number 058/8850 – Dyche Hall Mechanical and Electrical Improvements) will replace the existing electrical service panels that support general use receptacles is this area.

Study Area Room

Mechanical and electrical utility services provided for the 2,200-sq.ft. student study work space will be similar to a typical open office space.

Mechanical / Electrical Parameters

The following parameters will be used as the basis for the mechanical & electrical design:

Outdoor Design Conditions:

- Winter Dry Bulb Temperature: -10 ^{O}F
- Summer Design Dry Bulb Temperature: 101 ^{O}F
- Summer Coincident Wet Bulb: 72 ^{O}F
- Summer Wet Bulb Temperature: 79 ^{O}F

Indoor Design Conditions:

- Winter Dry Bulb Temperature - All Areas: 68 OF
- Summer Dry Bulb Temperature - All Areas: 74 OF
- Relative Humidity:
  - Summer 50%
  - Winter uncontrolled

Ventilation Rates:

• Biotic Analytical Lab	6-air change/hr. (ACH), min.
• GIS Lab and all other spaces	max. of 20-cfm per person, or per IMC

Space Pressurization:	(+) or (-) relative to adjacent corridor
Genomics Computation Lab	(+)
Extraction Cloning Lab	(+)
Existing Lab	(-)
Genomics Sequencing Lab	(-)
Morphology Lab	(-)
Office Spaces	(+)

PROJECT IMPACT

The visual metaphor of "zoom" illustrates the merit and impact of a long overdue and seemingly mundane renovation of a suite of biodiversity research laboratories and server room in a 1901 Romanesque cathedral-like building. At ground level, these facilities will leapfrog into the 21st C in basic electrical, mechanical and HVAC capacity; in advanced cyberinfrastructure; and in sophisticated, flexible laboratory facilities for genomic, morphological, evolutionary and biodiversity informatics research and research-training.

"Zooming out," this project's architectural design and efficiencies will have two powerful, effects: expansion of the BI's scope and scale of research and research-training in biodiversity science; and creation of integrative, collaborative and team-based research and research-training environments. Both advance the BI's strategy of aligning its physical and intellectual resources for research and research-training across the matrix of biodiversity science: investigating patterns and processes of global biotic composition, genomic evolution, macro-evolution, and ecoforecasting along the biotic continuum of genes–organisms–populations–species–communities and ecosystems. Biodiversity informatics mediates the matrix. Thereby, both effects—expanded scope/scale, integrative research environments—will enable novel, deeper and more comprehensive elucidation, syntheses and knowledge discovery of biodiversity phenomena. Primary here are: (1) the expansion and consolidation of the Genomics Complex from 3 disparate labs to 5 integrated research facilities with enhanced capabilities for sequencing, and new capabilities for cloning, biocomputation, and cryogenic archiving and preparation of biotic tissues, an irreplaceable genetic research resource; (2) new Biotic and Morphology Analysis facilities for discovering whole-specimen organismal characteristics that complement and test genomic hypotheses; (3) a new GIS Analysis facility for synthesizing and predictive modeling of environmental phenomena; and (4) a new Server Room for archiving and mediating the data for this research and research-training.

Clearly, with larger, unified research laboratories, the BI will be able to host more students and visiting scholars from overseas, a need generated by recent national and international legislation that severely restricts the loan and shipment of biotic specimens abroad. Larger laboratories for research-training also will enable the BI to host hands-on classes for underserved undergraduates at a local tribal university (which lacks such facilities), area high-school students and the public participating in Natural History Museum informal science education programs. Quite simply, in Dyche Hall, the BI will no longer be a prisoner of history—the expansion, modernization and repurposing of the laboratories will catalyze an integrative flux of research and research-training that is no longer dictated and hampered by constraints of space and aged facilities.

Zooming farther out, the project re-enforces KU's long-term commitment to the BI's research and research-training enterprise in biodiversity science. As a complement to this ARI-R2 project, KU is investing ~$1.15 million in a Phase II renovation of Dyche Hall—its electrical, HVAC and cyber facilities; this follows KU's previous investment of $1.2 million in renovating BI-West for modern housing of biodiversity collections—a

Phase I project that freed research space in Dyche for Phase II. The enhancement of Dyche Hall's cyberinfrastructure—10gb to the building and Server Room, 1gb to the workstation—removes the bandwidth bottleneck for accessing and serving terabytes of data for large-scale computational research within the BI and to the worldwide communities it serves.

In summary, despite an antiquated patchwork of common-use research laboratories in Dyche Hall, the BI has achieved national and international leadership in biodiversity science in research and research-training. This project will advance four cardinal transformations. First, in a world of rapidly changing research approaches, tools, techniques, and instrumentation, the renovations will create a research infrastructure that is flexible and adaptable to this evolving landscape. Second, it will create research capabilities that previously were impossible—e.g., cloning DNA, digitizing morphology for computational phylogenetic analyses; integrating natural systems and human systems modeling schemas for forecasting the impacts of environmental change. Third, the project will position the BI to keep its community of scholars and global collaborators at the frontiers of transforming knowledge discovery in biodiversity science, and in using this knowledge to forecast global environmental systems. And fourth, it assures that the BI will continue advance the forefront of research-training of the next generations of biodiversity scientists as systems biologists across genes to ecosystems and their informatics realms.

D. PROJECT MANAGEMENT & SUSTAINABILITY

D.1 Sustainability

As with all KU and BI buildings and support facilities, Dyche Hall is a state capital asset, with overall administrative responsibility residing in the Office of the Provost, and day-to-day space, financial, personnel, research and research-training administration in the BI. KU's Information Technology Service manages Dyche Hall's voice/data switching, network protocols, and cross-campus and off-campus network performance and related security. Dyche Hall's networked environments are maintained by BI's 2.5 FTE IT staff. KU's Facilities Operations provides campus-wide maintenance and repair of buildings, plumbing, electrical, and HVAC. KU budgets annually for basic maintenance, building utilities, and janitorial service. KU's Center for Research and the BI fund BI research infrastructure improvements from indirect costs.

Investigators with *de facto* access to Dyche Hall's research facilities and data resources are faculty/curators, research scientists, post-doctorates, visiting scholars and students associated with the BI, affiliated academic departments, and partners in research projects. Other users are granted access on an ad hoc basis. Because Dyche Hall also houses a public Natural History Museum, the design of the renovated research spaces will ensure appropriate levels of security and safety for research laboratories, collections and material storage.

Budget projection. Figures are calculated for the entire ~15,000 sf of Dyche Floors 1, 5, and 7 that house the 10,033 sf of planned renovations. Current ***Utilities*** costs (paid by KU) are ~$210,000 annually. Projected costs for the 3 post-renovation years (2012–2014) are ~$825,000, based on a 10% increase in utility rates by 2012 and a 3% increase/year through 2014. ***Basic maintenance*** (paid by KU) for the 3 years @ $1.30/sf is $58,500. ***Network and Telecommunication*** costs (paid by the BI) will be $5443/yr or $16,329. Total 2012–2014 projected sustainability budget = $899,829 apportioned to KU ($883,500) and the BI ($16,329).

D.2 Contingency and Risk

Project contingency is 5% of total costs allocated to changes during design and/or construction. Contingency management includes KU's ability to allocate in-house resources (e.g., Facilities Operations) to the project. Contingency management is based on construction estimates, approved changes, and bid alternates during the design phase, and, during construction, entails requesting change orders (drawing, specifications and estimates) from the design consultant, which are priced by the contractors and subcontractors for approval by KU. The risk management plan, listed below, is based on a risk assessment table (see Supp Materials).

Phase	Risk Area	Probability	Severity	Risk Level	Risk Response Plan	Residual Risk
Design	Incorrect space/activity description; undefined or unsuitable product and technical specification; detrimental impact on project budget or time to delivery	Occasional	Critical	H	Project development includes pre-design research program review with researchers. Lab design professionals and network engineers will be selected as consultants Budget reviews begin at the earliest stages through final design	M
Construct-ion	Lack of coordination of systems installation/ slowly executed space modification	Likely	Critical	H	• Key coordination in the course of construction by the design professionals and DCM staff • State requirements for contractor quality and subcontractor selection for a team to accomplish the work.	M
Operation	Technical shortcomings during initial operation; long term facility management	Occasional	Critical	H	• Commissioning of the mechanical/electrical system will be completed • Continuity of project management through final occupancy • In-house maintenance staff	L

D.3 Project Management and Schedule

KU's Design and Construction Management (DCM) office, with a professional staff of 24 licensed architects, engineers and support personnel, is responsible for all campus capital improvement projects, including ~$150M of current projects and $320M+ of proposed projects. KU offices that support DCM include Facilities Operations, Information Technology, Environmental Health and Safety, Parking, Public Safety and the KU Office of Sustainability, each of which has contributed to the KU Design and Construction Standards and User Guides[14].

*** End of major excerpts from original grant application ***

NSF ARI-R2 Repair and Renovation: Advancing Research in Biodiversity Science
Proposal No: 0963511 * Revised Project Documentation

PEP 1-3: Introduction

As described in our proposal, this ARI-R2 project will bring a suite of research laboratories and a Server Room in the Biodiversity Institute (BI), University of Kansas (KU) into currency for 21st century research and research-training in biodiversity science—from genomics to species to ecosystem forecasting. This "cradle-to-grave" chain strategy described in the proposal is essential for tackling the complex, linked challenges in research and research training demanded by 21st C biodiversity science.

As elaborated below, KU and the BI will complete the project, essentially as originally proposed, to meet the NSF target budget of ~$1.5 M. Our cardinal philosophy in meeting this goal is to preserve the conceptual rationale for the project by retaining and implementing all the links, capabilities, and capacities in the chain of research and research training.

Specifically, we have met the target budget by:

- Consolidation of the construction schedule into two phases, instead of three, which will reduce inflationary construction costs and produce efficiencies in labor, material and staging.
- KU assuming costs of 214 linear feet of custom cabinetry originally charged to NSF
- KU assuming the unallowable expenses for Data and Telecom originally charged to NSF
- Removing standard elements (e.g., drop ceilings) judged not to be essential to the functioning of the laboratories in research and research training.

KU reconfirms its commitment to a complementary, KU-funded $1.15 M project to upgrade Dyche Hall's electrical and air-handling systems to current standards and anticipated growth specifications (see attached file *WORK BREAKDOWN STRUCTURE 2*.xls). In addition, since submitting the proposal, KU has announced a second project to replace all single-pane windows throughout Dyche Hall to save energy. Both projects—electrical/HVAC and new windows—will be coordinated with the ARI-R2 design and construction.

The physical and cyber infrastructure renovations and repair remain as described in the proposal. Briefly, the project components to advance research and research training are:

- Enhanced cyber capacity to the building and Server Room (1gb to 10gb), and to the research workstation (100mb to 1gb) ***[KU cost]***
- New Genomics Complex—expansion and consolidation of 3 disparate labs into 5 integrated facilities for sequencing, cloning, biocomputation, and cryogenic management of 80,000+ biotic tissues
- New Biotic and Morphological Analysis laboratories replacing obsolete facilities
- New GIS Analysis Laboratory for synthesizing and predictive modeling of environmental phenomena
- New, 5-fold larger Server Room with high-watt density server racks, dedicated power and air-cooling systems for expanded archiving and serving data

Accomplishment metrics for YR 1 after project completion

Intellectual Merit: The first year will witness three cardinal transformations in research and research training.

1. Consolidation of the BI's frozen tissue collections in the new cryogenic facility. Metrics include:
   - a modern tissue collection management system incorporating voucher specimens in the physical collections at the BI and other institutions;
   - efficiency and ease of access to and use of the tissue collection for genomic research and research training;
   - efficiency of serving the global research community with tissues from planetary surveys and inventories for research and research training; and
   - a more secure, stable environment that provides the best, long-term preservation of the tissues for genomic research and research training, and the best possible protection against natural disasters.

2. Cloning of DNA to
   - reconstruct and compare patterns and processes in genomic and biogeographic evolution in populations of mammals, birds, arthropods, plants and other organisms using ancient DNA (from biotic collections) and modern DNA (from tissue collections);
   - reconstruct evolutionary patterns and processes of organisms for which modern tissues are lacking by using collection-based ancient DNA;
   - advance phylogenetic studies (improved sequence alignment and assessment of homology) through the discovery of new molecular markers, either micro-satellite or genomic; cDNA for library development;
3. Biotic preparation and analysis of vertebrate specimens to track the evolution and epidemiology of zoonotic diseases, such as Avian Influenza, West Nile Virus, leishmaniasis, malaria, avian encephalitis.

Broader Impacts: The first year will also witness a transformation in the BI's ability to train students as systems biologists across genes to ecosystems and their informatics realms. Critical here are the facilities provided by the new, state-of-the-art Biocomputation, Biotic Analysis, and GIS laboratories. Our metric is twofold: (1) the research training and subsequent productivity of graduate students in integrating biodiversity science data, cyber tools, and modeling schemas to forecast the impacts of environmental change; and (2) international training workshop in collaboration with GBIF (Global Biodiversity Information Facility. www.gbif.org) and a KU NSF-IGERT program on the mobilization, web-serving and use of biodiversity data.

PEP 4: Work Breakdown Structure *[DCM Note: refer to Project Schedule included at end of program]*

PEP 6: Budget - $1,525,000 *[DCM Note: refer to Project Budget included at end of program]*

PEP 13: Project's Technical and Financial Status Reporting

The financial records of the University of Kansas Center for Research, Inc. are maintained in accordance with the standards prescribed by the Governmental Accounting Standards Board (GASB) and the National Association of College and University Business Officers (NACUBO). These standards require that financial transactions be recorded within separate funds and that similar funds are categorized into fund groups for purposes of accounting and financial reporting. All accounting and administrative functions are maintained in complete compliance with OMB Circulars A-21 and A-110. KUCR uses the grants module of PeopleSoft version 9.0 for award setup and management. Financial management is integrated into the PeopleSoft financials module, with a limited-access online data silo providing additional, formatted grants-related reporting.

The University of Kansas Center for Research, Inc. (KUCR) is a not-for-profit corporation closely affiliated with the University of Kansas (KU). The primary function of KUCR is the management of all sponsored projects at KU. KU's A-133 audit is performed annually as a unit of the State of Kansas. KUCR has an independent A-133 audit performed annually.

PEP 22: Systems Integration, Testing, etc. *[DCM Note: refer to appendices included at end of program]*

Please see accompanying file

- *Systems Integration, testing, etc.doc*

*** End of major excerpts from revised grant documentation ***

Appendix B – Grant Award

Appendix C - Excerpt on Cryogenic Safety, from the University of Louisville EHS Safety Manual:

Definition
A cryogenic material is any substance that must be cooled to a temperature of -130-deg C or lower to change from a gas to a liquid. Cryogenics have several distinguishing characteristics:

- They are extremely cold (-120 to 270-deg C)
- Their primary cooling mechanism is vaporization (latent heat), and
- They have an extremely high expansion ratio (averaging 800:1) when their physical state changes from liquid to vapor/gas.

Because of these special characteristics, cryogenic materials must be handled with care.

Methods
The most common cryogen used is **liquid nitrogen**. Additional cryogens commonly used are:

- helium;
- hydrogen;
- argon;
- oxygen; and
- methane.

General Precautions
Personnel shall be thoroughly instructed and trained in the nature of the hazards associated with cryogenics and how to avoid those hazards.

- Any employee using cryogenics should have a thorough knowledge of:
    - procedures;
    - operation of equipment;
    - safety devices;
    - properties of materials used; and
    - use of personal protective equipment.
- Equipment and systems should be kept scrupulously clean.
- Mixing of gases or fluids should be strictly controlled to prevent the formation of flammable or explosive mixtures. Extreme care should be taken to avoid contamination of a fuel with an oxidant or the contamination of an oxidant with a fuel.
- Proper consideration should be given to the properties of the gas involved when venting storage containers and lines. Venting of large storage vessels should always be done outdoors to prevent an accumulation of flammable, toxic, or inert gas in the work area. Smaller, lab sized containers can be vented into a chemical hood system.

Storage Containers
Cryogenic fluids are usually stored in properly insulated containers designed to minimize the loss of product due to boil-off. **Note: Boil-off gases can freeze the skin or eyes faster than liquid or metal contact.**

- A Dewar flask is the most common container for cryogenic fluids. It is a double-walled, evacuated container made of metal or glass, with a vacuum between the walls.
- Larger quantities of cryogenic fluid require double-walled metal containers of evacuated construction.
- Exposed glass should be taped to minimize the flying glass hazard if the container should break or implode.
- Liquids should be transferred from the metal Dewar vessels with special transfer tubes or

Hazard Factors
Cryogens present many hazards. All may be present concurrently and must be considered when introducing a cryogenic system or project:

- ultra cold temperatures;
- flammability;

- high pressure gas, resulting in over-pressurization of containers and pressure vessels
- displacement of oxygen/asphyxiation.

Cryogenic Burns And Frostbite Hazards

All cryogenics can cause cold burns or frostbite when in contact with human skin.

- Do not overfill containers
- Never make direct contact with cryogenic liquids, uninsulated cryogenic pipes or equipment.
- Use tongs or isolate the hazard when appropriate
- Stay out of the path of boil-off gases.
- Wear suitable personal protective equipment when handling any object that may be cold
- Transfer or pour cryogens slowly to minimize boiling and splashing.
- Use a phase separator or special filling funnel when filling a Dewar or transferring cryogens.
- Ensure all secondary containers are secured when filling.
- Ensure that all Dewars are positioned so the pressure relief valves and rupture disks vent paths are directed away from personnel, critical equipment or designated work areas.
- Inspect and maintain cryogenic equipment, and remove equipment from service when it does not meet manufacturer's operating specifications.
- When hand-carrying cryogen-containing Dewars, ensure the Dewar is your only load (no books, coffee or other items). Watch carefully for people who may run into you, and ensure that the vessel is carried with both hands and as far away from you as possible.

Flammability

Fire and explosion are hazards associated with cryogenics. The source and hazards are:

- Hydrogen, methane, and acetylene, where the gases themselves are flammable.
- Oxygen. Its presence will increase the flammability of ordinary combustibles. Keep all organic materials and other flammable substances away from contact with oxygen.
- Liquefied inert gases. Liquid nitrogen and helium can condense oxygen from the atmosphere, causing oxygen entrapment in unsuspected areas.
- Extremely cold surfaces can condense oxygen from the atmosphere

State Building Committee
KUMC Capital Improvement Update
November 10, 2010

1. **KUMC Clinical Trials Center** Funded by JCERT
   a. **Project Cost:** **$22 million**
   b. 70,000 square foot renovation of existing building. This project is was successfully bid in September 2010. The contract was significantly under budget. Contract has been awarded and work will begin in December of 2010 with an estimated completion date of December 2011.
2.
3. **Parking Facility # 4:** Funded by Parking Revenue Bonds $9.1 million

   a. Construction began in May of 2010 and is on schedule to be completed in May of 2011. This will provide patient parking to the new Medical Office Building and Orthopedic center which will be completed in the summer of 2011.

4. **Medical Office Building:** Funded by Hospital Bonds $85 million
   a. Project is being constructed by the KU Hospital and is on schedule to be completed in the summer of 2011.

5. **Wichita Pharmacy Expansion :** Funded by revenue bonds $ 3.8 million
   a. Project has been awarded, under budget by $800k; the pharmacy labs, classrooms and faculty offices and the School of Medicine Skills lab were completed in September of 2010.

   b. The original shelled space will be bid this fall and will be completed by June 2011. The shell space will be for faculty offices and classrooms for the expansion of a four year Medical School on the Wichita campus

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6. **Breidenthal Project: Funded by KBA / USDC $5.0 million**
   a. This project is being constructed by the KUMC Research Institute to create an incubator to take new viable research discoveries to the market place. Estimate completion date is February 2011.

      i. **Deferred Maintenance addressed $1.6 million**

      ii. Windows, floors, Partitions, Ceilings, Interior Finishes, Electrical, Plumbing, Hvac, Lighting, Fire Alarm, Emergency Lighting, Hazardous Material, Code Issues, ADA Issues

7. **Wahl Hall East / West / Hixon :** Funded by KBA / Research Institute
   a. This renovation will provided state of the art research facilities for the recruitment of researchers for the Cancer Initiative to achieve the NCI designation. Estimated completion date is summer of 2012.

      i. **Project Cost: $34.0 million**

      ii. **Deferred Maintenance addressed $8.0 million**

      iii. Windows, floors, Partitions, Ceilings, Interior Finishes, Electrical, Plumbing, Hvac, Lighting, Fire Alarm, Emergency Lighting, Hazardous Material, Code Issues, ADA Issues

8. **Deferred Maintenance Program**

   a. **Applegate Energy Center**: Funded from State Funds, EBF, Tuition Interest and Tax Credits

      i. Currently implementing Phases I and II of the Applegate infrastructure plan for $5.2 million: two new emergency generators, transformers, control centers, new chilled water pumps, renovated cooling towers and a new chiller. Phase III has been bid and is on budget. New campus fire pump system, boiler repairs and generator demolition. This project was completed in August of 2010.

   b. **Animal Research Buildings: Funded by ARRA Tuition Interest**
      i. **Project Cost $800,000**

      ii. New floor and wall covering, new drains, replaced Hvac controls, new humidification, new lighting, new sinks.

c. Lied Biomedical Building Funded by ARRA

i. Project Cost: **$800,000**

ii. Replace temperature control system, repair walls, floors and De-ionized Water System.

KANSAS BOARD OF REGENTS

Quarterly Report to Joint Committee on State Building Construction For the Quarter Ended September 30, 2010

From Eric King, Director of Facilities, Kansas Board of Regents
Delivered on November 10, 2010

Introduction and History

Good afternoon, Chairman Umbarger and members of the Committee. Thank you for this opportunity to appear before your committee to provide you with a quarterly report on the State Educational Institution Long-Term Infrastructure Maintenance Program, per requirements mandated by K.S.A. 76-7,103 *et seq*.

As you know, in 2007, the Legislature enacted legislation creating the Postsecondary Educational Institution (PEI) Long-Term Infrastructure Maintenance Program (IMP), as well as several important financing components that will be implemented over the five-year period that began in 2008. These components included:

I. Direct state funds of $90 million and a then estimated $44 million in interest earnings from university funds to begin to address the then-documented $663 million backlog of deferred maintenance projects at the state universities;
II. Interest-free bonding authority up to $100 million available to Washburn University, the 19 community colleges, and the five technical colleges to be used for infrastructure improvement projects; and
III. Allowance of state-funded tax credits intended to generate up to $158 million in private contributions to the state's six universities, Washburn University, the 19 community colleges, and the five technical colleges.

This report covers the first quarter of fiscal year (FY) 2011, ended September 30, 2010. At the end of this period, the state universities had total, actual, project-to-date expenditures of $61,981,354, which includes direct state funds of $50,671,958, university interest earnings of $10,580,976, and tax credit donation expenditures of $728,420. The expenditures include those made in fiscal years 2008, 2009, and 2010, as well as the monies spent through this quarter of FY 2011.

Direct State Funds, University Interest Earnings, and Tax Credit Donations

The following is an abbreviated narrative update on the progress the state universities have made on their authorized, deferred maintenance projects. Information about each university's current

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Attachment 18
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quarter and project-to-date expenditures can be found in the spreadsheets attached for your review. If additional detail about these expenditures is needed, please let me know.

Emporia State University

1. Physical Education Building Roof Replacement – This project is complete, and allocated funds were expended.

2. William Allen White (WAW) Library HVAC Repairs/Replacement - This project is complete, and allocated funds were expended.

3. WAW Library Electrical Repairs/Replacement - This project is complete, and allocated funds were expended.

4. WAW Partition Repairs/Replacement – The HVAC & Electrical Repairs/Replacement project bids were considerably under the estimates for this project, and repairs/replacement of partitions related to these projects were included in those budgets. The remaining funds have been transferred to start other deferred maintenance projects indicated in FY 2011 and FY 2012.

5. Utility Tunnels Repairs - Work has been completed with this phase of the project, with valve replacements, asbestos abatement, and re-insulation. Additional tunnel work will be started upon the completion of the asbestos and re-insulation work. A study has been completed to verify the location, condition and types of valves for the campus main water supply lines in the tunnel system. The final phase of construction and funding will start in FY 2012. Remaining funds from other completed projects have been reallocated to this project to allow the start of the replacement of the campus main water supply lines at an earlier date.

6. Roosevelt Hall Foundation Stabilization - This project is complete, and allocated funds were expended.

7. Roosevelt Hall HVAC Replacement – This project is complete. Remaining funds will be reallocated to other deferred maintenance projects indicated in FY2011 and FY2012.

8. Roosevelt Hall Plumbing Replacement – This project is complete. Remaining funds will be reallocated to other deferred maintenance projects indicated in FY2011 and FY2012.

9. Elevator repair projects for White Library, Cremer Hall, and King Hall have been completed. The remaining funds will be transferred to start other deferred maintenance projects indicated in FY 2011 and FY 2012.

Fort Hays State University

1. Picken Hall Improvements – This project is complete.

2. Utility Tunnel Replacement from Center of Quad to Rarick Hall – This project is complete.

3. Service Buildings Masonry Cleaning and Sealing – This project is complete.

4. Sheridan Hall Re-Roofing – This project is complete.

5. Felten-Start Theatre Seating Replacement – This project is complete.

6. Repaint Cunningham Hall Gyms 100,101,120 & 121 – This project is complete.

7. Campus Exterior Graphics – Phase II – This project is complete.

8. Campus Medium Voltage Electrical Improvements – Phase I civil/architectural work has been bid and awarded. A preconstruction meeting will be held in October 2010. Generator and switchgear components have been bid and awarded, and units are currently in production. Phase I-a electrical installation for switchgear and generator will go to bid within (60) days. Phase II Medium Voltage Electrical Loops is currently in design. Phase II will now be paid though Federal Stimulus Funds. The generator and switchgear components were also paid through Federal Stimulus funds.

9. Street Improvements – The first project, which included replacing one block of street paving along Park Street/South Campus Drive, is complete. Future street improvements will be undertaken as tuition interest funding allows.

Kansas State University

1. Utilities Infrastructure and Power Plant Improvements:

   a. Replacement of campus steam line – Federal Stimulus Funds will now pay for the work. The project engineer is Smith and Boucher. The project is under construction.

   b. Boiler replacement in the Power Plant – The work is complete. The project engineer is Bucher Willis Ratliff, and the contractor is Knopke Co., LLC of Kansas City.

   c. Repair and replace antiquated 4160 volt electrical system - Project construction is 99% complete. The completion date is November 1, 2010. The engineer is Morrow Engineering, and the contractor is Torguson Electrical Co.

2. Renovate Academic and Academic Support Space in Old Memorial Stadium – The master plans for East and West Memorial Stadium improvement are complete. East Stadium is now the capital improvement project titled "Old Memorial Stadium Student Welcoming Center." West Stadium is on hold pending improvement funds.

3. Leasure Hall Renovation

   a. The elevator was completed in January 2009.

b. The construction of a general use classroom (Room 010) is complete. The design and construction were done in house.

c. The exterior doors were replaced, and the stairs were altered to conform to ADA and life safety standards. The design was done in house, and construction was done by an on-call contractor. The project is complete.

d. Office room 101 was renovated to house four faculty members. Design and construction were done in house, and the project is complete.

4. Willard Hall:

a. Repair and replacement of exterior stone walls is complete. The stones were cleaned and tuck-pointed where possible, and waterproofing of the entrances is complete. The contractor was Restoration and Waterproofing, Inc., and the architect for the project was Bruce McMillian Architects.

b. Construction is complete for the below-grade waterproofing. The contractor was Ron Fowles Construction, and the engineering was done in-house.

c. The medium-voltage electrical project is complete. Brack & Associates was the engineer, and the contractor was Coal Creek Construction.

d. The broken coolers have been removed. The basement walls have been demolished to begin the repair and replacement project, and asbestos abatement is complete.

e. Life safety and ADA improvements construction is complete. The firm of Treanor Architects is the on-call project architect, and the contractor is The Wilson Group.

f. Basement improvements project construction is complete. Treanor Architects is the on-call architect, and the contractor is Cheney Construction Company.

g. Willard north basement improvement is complete. Treanor Architects is the on-call architect, and the contractor is Cheney Construction Company.

h. The KSU Facilities shops and private contractors are converting all basement spaces to useable art studios, and the work is complete.

i. The fire alarm system for the building was bid and contract work was awarded to Cheney Construction. The project is complete.

j. Forty percent of the basement windows have been replaced, and a bid package is being prepared for the remaining windows in the building. The revised date of completion is February 1, 2011.

k. The reroofing project is in the planning stage. Ebert Mayo Design Group is the architect of record. The lower roof has been replaced by Danker Roofing. Willard's upper roof is in design by Ebert/Mayo Design Groups, and is 30% complete. The roofing projects will start in 2011, and the building may be scaffolded for the work.

l. A new ventilation system is being designed by Brock and Associates to provide exhaust from hoods located in various second and third floor Art Department Studios. The construction will be bid out. The design is 5% complete.

m. Rooms 102 through 106 are being renovated into a usable wood studio for the Art Department. Brock and Associates are doing the design work. The plan is 5% complete, and the project will be bid.

5. Seaton Court:

   a. The Seaton Court roof project construction is complete, and the warranty inspection was conducted on October 18, 2010. The on-call architect is Anderson Knight of Manhattan, Kansas, and the contractor is Ron Fowles.

   b. The flat roof of the connecting structure between Seaton Court and Seaton Hall was evaluated. The project has been divided, due to the fact that two different roofing systems are involved, each with its own problems and solutions.
      i. Flat roof - The on-call consultants BG Engineering completed the plans, and the project was bid. Ron Fowles Construction was the successful low bidder. The project is under construction and is 95% complete.
      ii. Gable roof - The cracked and broken rafters cannot be repaired, and there is a large amount of asbestos-containing materials surrounding them. In-house plans and specifications for an umbrella roof to be built over the existing roof are 95% complete. BG Engineering has been retained to do the structural plans. Architectural plans are being done in house. Construction is scheduled to be completed in Fall 2010.

   c. A fire sprinkler system to be installed in the Seaton link, Seaton Court shops area, and Seaton Court is in the design phase, and plans are 50% complete.

6. Roofs and Other Projects:

   a. The Calvin Hall re-roofing project was completed in Winter 2008.

   b. The Justin Hall 109 general use classroom renovation was completed in Fall 2008.

   c. The Kedzie Hall 017 classroom laboratory renovation was completed in Fall 2008.

   d. The Call Hall re-roofing plans are 50% complete.

Pittsburg State University

1. McCray Hall Renovation - The project is complete. Final payment was issued May 1, 2009.

2. Electrical Switchgear Replacements - The project is complete. Final payment was issued February 24, 2009.

3. Axe Library Masonry Restoration – The project is complete. Final payment was issued December 16, 2008.

4. Russ Hall Facade Restoration – The project is complete. Final payment was issued on January 8, 2009.

5. Steamline Replacement – The project is complete. Final payment was issued October 6, 2009.

6. Porter Hall Renovation – The project was divided into two phases. Phase I is complete. Final payment was issued January 25, 2010. Phase II includes all interior work, including new HVAC system, electrical service upgrades, and new lights in studios. Phase II bid on January 28, 2010. Construction began in May 2010, with completion expected by Fall 2010. Currently, work continues in the sculpture and photo labs. Work is expected to complete in these labs along with punch list items that have been identified for all other areas by early November 2010.

7. Yates Hall Renovation – This project was split into three separate projects. The new windows project bid April 2, 2010, and the HVAC project bid April 18, 2010. The roofing project was moved, to be funded from the R&R allocation. All three projects were expected to be completed during the summer of 2010. The new windows and HVAC system projects began construction in May 2010 and are expected to be substantially complete in October 2010. Punch list items have been identified and are in progress. These projects were originally scheduled to begin in FY 2011, but were moved to FY 2010.

8. Grubbs Hall Renovation – This project will provide for the repair of the first floor slab settlement, replace windows, replace louvered corridor interior doors, provide a new HVAC control system, and replace the main electrical switchgear. Bids were received April 8, 2010. Construction began May 2010, and is expected to be substantially complete in October 2010. This project was originally scheduled to begin in FY 2011, but has been moved to FY 2010.

9. Heckert-Wells Hall – This project will provide for the repair and replacement of all domestic water piping, and gas valve replacement in the labs. The design team has been hired and is working on the schematic design. This project was originally scheduled to begin in FY 2010, but has been moved to FY 2011.

10. Weede Facility – This project has been moved to be funded out of the R & R allocation for FY 2011. We have replaced it with the Hughes Hall projects to use university interest as well as ARRA dollars.

The University of Kansas

1. Utility Tunnel Improvements - Phase 2 Tunnel construction – The project was awarded to Kissick Construction. The University received a tax credit donation towards the tunnel improvements. The project is complete.

2. Wescoe Hall Improvements:

a. Phase One is the replacement of the failed first-floor concrete slab and reconstruction of that area. Included in Phase One is deferred maintenance work, which includes the replacement of the HVAC system on the first floor. Construction started January 15, 2008, and completed in August 2008.
b. Phase Two is the replacement of outdated and failing HVAC equipment and ductwork on the 2nd and 3rd floors. The construction management firm of Ferrell Construction of Topeka was selected, and sub-contract bids were taken for all phases of work. Phase Two construction began on the 3rd floor in June 2008, and was completed in December 2008. Construction work began on the 2nd floor in January 2009, and was completed on May 29, 2009. The fire sprinkler and fire alarm replacement work on the 4th floor classrooms, offices, and lecture halls started May 18, 2009, and completed July 31, 2009. The project is complete.

3. Haworth Hall Improvements - Purchase and design of the fume hoods is complete. Installation of the fume hoods started March 2008, and has been completed. The ESCO investment grade audit was completed on January 12, 2009. The proposed ESCO work has been thoroughly reviewed for necessary adjustments of the scope for the HVAC project, to better coordinate energy efficiency improvements with the deferred maintenance replacement of HVAC systems. The University finalized the contracts with Energy Solutions Professionals (ESP) to include this work within the energy performance contract. ESP has submitted shop drawings and ordered materials. Construction is underway, and all air handling units have been replaced, and controls and final commissioning of the equipment remain to be done. Work is starting on the ganged lab exhaust system, which will replace many dedicated exhaust fans with a central system and is scheduled to be complete by December 2010.

4. Energy Conservation Improvements – Energy Solutions Professionals (ESP), the selected consultant, completed an investment grade audit of Haworth Hall, Malott Hall, other buildings identified in the Five-Year Deferred Maintenance Program, and of other campus facilities. ESP completed mechanical systems test and balance data gathering in Malott in late November 2008. Additionally, ESP completed data logging of laboratory space occupancies for use in its final audit reporting. The initial investment grade audit for FYs 2008 and 2009 deferred maintenance projects was completed on January 12, 2009, and the University has completed its review of the audit. The University finalized the contracts with ESP to include this work within the energy performance contract. ESP has submitted shop drawings and ordered materials. Water efficiency improvements are 95% complete, lighting improvements are 75% complete, and the energy conservation improvements project is approximately 45% complete. Full completion is scheduled for August 2011.

5. Malott Hall Improvements – Purchase and design of the fume hoods is complete. Installations of the fume hoods started in September 2008, and all hoods have been installed. The ESCO investment grade audit was completed on January 12, 2009. The proposed ESCO work has been thoroughly reviewed for necessary adjustments of the scope for the HVAC project, to better coordinate energy efficiency improvements with the deferred maintenance replacement of HVAC systems. The University finalized the contracts with Energy

Solutions Professionals (ESP) to include this work within the energy performance contract. ESP has submitted shop drawings and ordered materials. Construction is underway, and all air handling units have been replaced. Controls and final commissioning of the equipment remain to be done. Work is starting on the ganged lab exhaust system, which will replace many dedicated exhaust fans with a central system, scheduled to be complete by May 2011.

6. Murphy Hall Electrical Improvements – Advertisements for design services were released, and Professional Engineering Consultants was selected to design the project. The scope of work will be coordinated with the FY 2010 Federal Stimulus funded HVAC improvements. Design started in February 2010, bids will be taken in November 2010, and construction will begin in December 2010. Construction is scheduled to complete by September 2011.

7. Lippincott Hall Improvements – Funding for this project has been reallocated to the annual R&R funds.

8. Bailey Hall Improvements – Funding for this project has been reallocated to the annual R&R funds.

9. Lindley Hall Improvements – FY 2010 reallocation. The project includes HVAC/mechanical and foundation improvements. The HVAC equipment will be replaced, electrical system improvements will be made, windows will be replaced, and the north foundation wall will be repaired and waterproofed. Design for the foundation repairs and window replacement is currently underway.

The University of Kansas Medical Center

1. Electrical Infrastructure, Wichita campus – The project is complete. Final payment was issued in June 2010.

2. Emergency Repairs to Building 37 Vivarium – The project is complete.

3. Applegate Energy Center & Utility Distribution Systems – The scope of this project replaced and renovated major utility equipment and systems in phases. Turner Construction is the construction manager and has completed the FY 2008 – FY 2010 projects.

Wichita State University

Wichita State University has now completed deferred maintenance projects involving campus infrastructure, and many items that needed to be addressed in the Visual Communications Building, Wallace Hall, Ahlberg Hall, McKnight Art Center, Central Energy Plant, Lindquist Hall, Jardine Hall, Heskett Center and the National Institute for Aviation Research. Three (3) major projects remain to be completed that involve the replacement of the HVAC systems in Duerksen Fine Arts Center, the Engineering Building, and Grace Wilkie Hall. The status of these major projects is as follows:

1. Duerksen Fine Arts Center – The engineering consultants have completed the preparation of construction documents for replacement of the building's HVAC systems. The project will be implemented in three separate phases as sufficient funds accrue for each phase, and as the building occupants can be temporarily relocated to other facilities. Federal Stimulus dollars from the American Recovery and Reinvestment Act / State Fiscal Stabilization Funds for FY 2009, FY 2010, and FY 2011 are being used to implement Phase I and Phase II. It is estimated that Phase I will be completed in May 2011. A construction contract has just been awarded for Phase II, which is targeted to be completed in November 2011. Replacement of the building's store-front and entrances is complete, upgrades to the building's electrical services, and demolition of obsolete boilers and the associated asbestos abatement have all been completed.

2. Engineering Building – Engineering consultants completed the preparation of construction documents for replacement of the building's HVAC system, and bids were received on October 15, 2009. A construction contract was awarded on October 28, 2009, and the project was substantially completed in August 2010, allowing the College of Engineering to move back into the building for the beginning of the Fall 2010 semester.

3. Grace Wilkie Hall – Engineering consultants selected to do engineering, plans, specifications, and construction administration for replacement of the building's HVAC system are nearing completion of construction documents. Bidding the project will be postponed until funds accrue to a sufficient amount to be able to award a construction contract and alternative space can be freed up to which some of the building occupants can be relocated.

4. Visual Communications Building – The project for upgrade of the building's electrical services is complete.

5. Wallace Hall – The project for upgrade of the building's electrical service is complete. The project for modernization of the elevator is complete.

6. Ahlberg Hall – The project for upgrade to the building's electrical service is complete. The project for modernization of the elevator is complete.

7. McKnight Art Center – The project for upgrading building controls is complete. The project for modernization of the elevator is complete.

8. Central Energy Plant – The motor control center replacement project is complete.

9. Lindquist Hall – The project for modernization of the elevator is complete.

10. Jardine Hall – The project for modernization of the elevator is complete.

11. Campus Infrastructure –The project for water line improvements and expanded fire hydrant coverage is complete. The project for waterproofing a portion of a utility tunnel is complete.

12. Heskett Center – The project for building controls is complete.

13. National Institute for Aviation Research (NIAR) –The project for building controls is complete.

PEI Infrastructure Bonds

In addition to direct state funds and university interest earnings, another important funding component of the State Educational Institution Long-Term Infrastructure Maintenance Program (IMP) is the subsidized loan program made possible through the issuance of Post-Educational Institution (PEI) Infrastructure Maintenance Program Bonds.

As you will recall, the 2007 Legislature authorized $100 million in bonds, $20.0 million to be issued each fiscal year, beginning in FY 2008, to be requested by the Board of Regents from the Kansas Development Finance Authority (KDFA) for deferred maintenance projects at Washburn University, the 19 community colleges, and the five technical colleges. The principal and interest for the bonds will be paid from the State General Fund, and the participating institutions will reimburse the State General Fund for the principal portion of the payments each year. Each series of bonds will be issued with an 8-year amortization period. There is a cap of $15.0 million of bond proceeds per institution over the five-year period of the program. Debt service payments on the bonds were authorized to begin after July 1, 2008, and the first debt service payment on the initial series of bonds issued for the program was paid on March 1, 2009.

The Board is authorized to enter into loan agreements with the eligible institutions to provide for payment of principal on the bonds. When approving applications for financing under the program, the Board must take into consideration both the need for the project and the financial ability of the institution to meet its obligation if the application is approved. The capacity to repay the bonds is also required to be further reviewed by KDFA. The Board is mandated to provide an annual report to the Legislature disclosing the aggregate amount of bonds issued, the amount of bonds issued for each postsecondary educational institution (PEI), and an overview of the projects financed by such bonds.

Projects eligible for financing are defined in the legislation: "Project" or "infrastructure project" means the maintenance, repair, reconstruction, remodeling or rehabilitation of a building located at a postsecondary educational institution, any additions to a building, any utility system and other infrastructure relating to such building, any life-safety upgrades to such building, any improvements necessary to be made to such building in order to comply with the requirements of the Americans with Disabilities Act or other federal or state law. The law excludes from the definition of an eligible project all new construction; the maintenance, repair, reconstruction or rehabilitation of any building used as an athletic facility that does not directly support the delivery of academic pursuits; and the maintenance, repair, reconstruction or rehabilitation of the residence of the president or chief executive officer of a postsecondary educational institution.

The Series 2008A Bonds

As previously reported to you, the first PEI Infrastructure Maintenance bonds were issued by the Kansas Development Finance Authority (KDFA) in the principal amount of $20,000,000 on March 26, 2008, and bond proceeds were deposited in the State Treasury. Bond covenants mandate expenditures equal to at least 30% of bond proceeds at March 15, 2009, and equal to at least 95% by March 15, 2011.

The 13 participating institutions are required to pay loan payments to the Board on or before December 1 of each year, so that the principal payments on the bonds will be deposited in the State Treasury prior to the subsequent year's March 1 principal payment date. The first principal payment of $2.5 million on the 2008A Bonds was paid on March 1, 2009, using the loan payments received from the participants, as mandated. The $2.5 million of principal paid on March 1, 2010, was also collected from the participants.

The following table lists the names of 13 participating institutions, the number of projects authorized by the Board and KDFA for each participant, the total amounts of loans from bond proceeds that were authorized for each institution, and the total amount of bond proceeds spent by and loaned to each institution at September 30, 2010. These expenditures of $18,063,088.35 represent 90% of total 2008A Bond proceeds.

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2008A Bond Proceeds - Distribution and Expenditures through September 30, 2010

Name of Participating Institution	Number of Authorized Projects	Total Amended Authorized* Loan Amount	Total Expended at September 30, 2010
Barton County Community College	1	$1,300,000.00	$ 1,300,000.00
Butler County Community College	9	2,222,707.00	2,140,793.62
Coffeyville Community College	4	899,460.00	891,749.78
Dodge City Community College*	2	839,814.35	839,814.35
Highland Community College	4	970,000.00	735,847.88
Hutchinson Community College	2	3,979,270.00	3,979,270.00
Kansas City Kansas Community College*	3	2,535,185.65	2,349,369.96
Labette County Community College	3	1,213,900.00	1,207,935.14
Manhattan Area Technical College	3	412,500.00	298,786.67
Northwest Kansas Technical College	4	338,280.00	338,280.00
Pratt Community College	5	623,883.00	189,172.00
Seward County Community College	6	1,260,000.00	1,148,443.83
Washburn University	2	3,405,000.00	2,643,625.12
TOTALS	**48**	$20,000,000.00	$18,063,088.35

**Note: Dodge City Community College has transferred $10,185.65 of its originally authorized loan to Kansas City Kansas Community College through amendments to both loan agreements. The amounts in the "Total Authorized Loan Amount" column reflect this reallocation.*

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The Series 2009C Bonds

For the second year of the PEI Infrastructure Maintenance Program (FY 2009), applications from 12 of the 25 eligible institutions were approved by the Board on February 12, 2009. The Series 2009C Bonds, in the amount of $20 million, were issued by KDFA on March 31, 2009. Bond covenants mandate expenditures equal to at least 30% of bond proceeds at March 15, 2010, and equal to at least 95% by March 15, 2012. The following table lists the twelve participating institutions, the number of authorized projects and loan amounts for each institution, and the amount of bond proceeds disbursed to each participant by September 30, 2010. At that date, $14,491,886.56, or 72% of the Series 2009C bond proceeds had been disbursed.

2009C Bond Proceeds - Distribution and Expenditures through September 30, 2010

Name of Participating Institution	# of Authorized Projects	Total Authorized Loan Amount	Total Expended at September 30, 2010
Butler County Community College	16	$ 1,451,923.00	$ 1,152,759.02
Cloud County Community College	6	981,104.00	844,964.26
Dodge City Community College	6	276,841.00	249,791.47
Garden City Community College	1	2,216,645.00	1,592,370.45
Highland Community College	5	241,100.00	121,677.22
Hutchinson Community College	2	4,178,520.00	3,841,583.21
Independence Community College	1	1,500,000.00	1,452,382.64
Johnson County Community College	3	5,293,382.00	2,898,549.13
Kansas City Kansas Community College	3	2,058,224.00	1,752,910.62
Northwest Kansas Technical College	5	98,261.00	80,615.27
Pratt Community College	4	460,000.00	-0-
Seward County Community College	8	1,244,000.00	504,283.27
TOTALS	**60**	$ 20,000,000.00	$14,491,886.56

The first payment of principal on the 2009C Bonds was paid on March 1, 2010. The $2.5 million of principal due on the 2009C Bonds on March 1, 2010, was collected from the participants.

The interest payment portion of the FY 2009 debt service payment for the Series 2008A Bonds was $680,468.75, paid from the State General Fund (SGF). In FY 2010, the SGF's interest payment portion of the debt service payments for both the 2008A bonds and the 2009C bonds was $1,318,135.07.

The Legislature did not authorize the issuance of bonds in fiscal year 2010 for the originally planned third year of the program.

The Tax Credits Program

In addition to combined direct state funds and university interest earnings and the subsidized loan program made possible with the issuance of the PEI bonds, the final funding component of the State Educational Institution Long-Term Infrastructure Maintenance Program (IMP) is the Tax Credits Program.

In 2007, tax credit provisions authorized by the Legislature established a new tax credit based on a percentage of a taxpayer's contribution made on or after July 1, 2008, to a community college for capital improvements (60% of the contribution), to a technical college for deferred maintenance or purchases of technology or equipment (60% of the contribution), or to a university for deferred maintenance (50% of the contribution). The credit, effective for tax years 2008 through 2012, is applicable to corporate and individual income tax, insurance premiums tax, and financial institutions privilege tax. The credits are scheduled to sunset after tax year 2012. The credit on a contribution to a community or technical college is refundable, if it is in excess of income tax liability. The university credits are non-refundable, but can be carried forward for up to three years. All credits originally claimed by not-for-profit entities are transferable to other taxpayers. The Kansas Department of Revenue (KDOR) has developed and implemented for all institutions a tax credits process designed to assure that qualifying contributions qualify for Federal as well as State income tax deductions.

As part of the fiscal year 2010 State budget approved by the Kansas Legislature on May 9, 2009, these tax credits were reduced by 10% in both the 2009 and the 2010 tax years. For a taxpayer donating $1,000 to an eligible community college, prior to the cuts, that taxpayer would have received a 60% credit of $600. Now, the taxpayer will receive 90% of the 60% credit, or $540. The contribution of $1,000 generates 10% less tax credit to the taxpayer. This reduced credit is reflected only on the taxpayer's income tax return. It should be noted that the reduction was not extended to calendar year 2011 during the 2010 legislative session.

The table below shows the 2007 projected amounts of contributions for each sector of postsecondary education by fiscal year, assuming contributions were received to fully use the available tax credits. Also shown are the previously projected, related impacts on the State General Fund.

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Note: All amounts are expressed in millions of dollars

Fiscal Year	Total Projected Contributions	Projected Contributions to State Universities and to Washburn University	Impact to the State General Fund from Projected Contributions to State Universities and Washburn	Projected Contributions to Community & Technical Colleges	Impact to the State General Fund from Projected Contributions to Community & Technical Colleges
2009	$ 14.375	$ 11.250	$ (7.500)	$ 3.125	$ (5.625)
2010	27.750	22.500	(15.000)	6.250	(11.250)
2011	38.333	30.000	(20.000)	8.333	(15.000)
2012	38.333	30.000	(20.000)	8.333	(15.000)
2013	38.333	30.000	(20.000)	8.333	(15.000)
Totals	$158.125	$123.750	$(82.500)	$34.375	$(61.875)

The allotment of the tax credits in the legislation is handled differently for Washburn and the state universities than for the community and technical colleges. The legislation specifies that for tax year 2008, each community and technical college is allotted $78,125 in tax credits. For tax year 2009, this amount increased to $156,250, and for each of tax years 2010 through 2012, further increases to $208,233. Assuming that all tax credits are used, each of the 24 institutions will generate private contributions for projects of $130,308 in tax year 2008, $260,416 in tax year 2009, and $347,208 for each of tax years 2010 through 2012.

For the state universities and Washburn University, a total of $5,625,000 in tax credits was divided among the seven institutions for tax year 2008. This total amount increased to $11,250,000 for tax year 2009, and further increases to $15,000,000 for each of tax years 2010 through 2012. The legislation stipulates that the Board of Regents, in consultation with the Secretary of Revenue and university foundation or endowment associations for each institution, will make the allotment of tax credits in advance of any credit issuance each year, with not more than 40% of the total credits being allotted to any one institution, unless all institutions are in agreement to waive that cap.

As previously reported to you, to prepare for the effective date of the program, the Department of Revenue has implemented regulations, and the universities have agreed to focus tax credit efforts on projects identified in the $200 million list approved in February 2007.

The Board of Regents approved the tax credit allocations listed in the following table for calendar years 2008, 2009, and 2010:

University Name	2008 Allocation Amount	2009 Allocation Amount	2010 Allocation Amount
University of Kansas	$1,540,566	$ 3,081,133	$4,108,177
University of Kansas – Medical Center	588,471	1,176,941	1,569,255

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Kansas State University	1,624,381	3,248,761	4,331,681
Wichita State University	553,879	1,107,758	1,477,011
Emporia State University	324,481	648,961	865,281
Pittsburg State University	370,910	741,820	989,093
Fort Hays State University	371,220	742,441	989,922
Washburn University	251,092	502,185	669,580
TOTALS	**$5,625,000**	**$11,250,000**	**$15,000,000**

The table below summarizes the actual, total contributions and corresponding tax credits issued for calendar years 2008 and 2009, as reported to KBOR by the universities and confirmed with the Kansas Department of Revenue's reports to KBOR as of January 19, 2010:

	Calendar Year 2008		Calendar Year 2009	
University Name	**Total Donations Received**	**Total Tax Credits Issued**	**Total Donations Received**	**Total Tax Credits Issued**
University of Kansas	$ 55,550	$ 27,775	$153,700	$ 76,850
University of Kansas – Medical Center	15,400	7,700	25,895	12,948
Kansas State University	2,000	1,000	3,000	1,500
Wichita State University	85,000	42,500	70,000	35,000
Emporia State University	-0-	-0-	-0-	-0-
Pittsburg State University	15,000	7,500	18,598	9,299
Fort Hays State University	689,270	344,635	136,017	68,009
Washburn University	-0-	-0-	-0-	-0-
TOTALS	$ 862,220	$ 431,110	$ 407,210	$ 203,606

Obviously, the actual donations and allocated tax credits were substantially less than anticipated for both calendar year 2008 (about $4.7 million less) and calendar year 2009 (about $10.8 million less).

According to reports from the Kansas Department of Revenue, for the calendar year ended December 31, 2009, the technical colleges received $89,900 in total contributions and awarded $53,940 in tax credits. The State's community colleges reported receiving contributions totaling $1,510,766, resulting in the award of $906,459 of tax credits in the 2009 calendar year.

Following the close of calendar year 2010, the Kansas Department of Revenue will make available to KBOR the amounts of tax credit-eligible contributions and tax credits awarded for the universities and the coordinated institutions. KBOR will report those numbers to you as soon as they are available.

A final consideration for the Committee - at its June meeting, the Board of Regents received an inquiry about the possibility of using the availability of K.S.A. 2009 Supp. 79-32,261 tax credits to entice donors to contribute to renovation projects such as the Memorial Student Union at Emporia State University and the Rhatigan Student Center at Wichita State University. The issue raised was whether the legislation that authorized tax credits for certain contributions to

state universities was intended to exclude projects involving buildings that are not entirely for classroom or other primarily academic use.

Following a preliminary review of the statute and consultation with the Department of Revenue, there appears to be nothing that would preclude a taxpayer from seeking and obtaining a tax credit for contributions to a deferred maintenance project on a student union or recreation facility. Subsection (a) of K.S.A. 2009 Supp. 79-32,261 provides that any taxpayer who contributes to a "postsecondary educational institution located in Kansas for deferred maintenance" shall be allowed a tax credit. The term "postsecondary educational institution" is defined in paragraph (d)(3) as the six state universities, and the term "deferred maintenance" is defined as any maintenance, repair, reconstruction or rehabilitation of a building located at a postsecondary educational institution which has been deferred. Nothing can be found in this statute that further limits the type of project for which the tax credits may be allowed.

However, the Board is sensitive to the fact that there was legislative discussion surrounding the long-term infrastructure maintenance program, and indeed statutory provisions were enacted for that program, to prohibit use of the funds generated under those provisions (K.S.A. 2009 Supp. 76-7,101 et seq.) for maintenance and repair of "any building used as an athletic facility that does not directly support the delivery of academic pursuits" or "the residence of the president or chancellor of a state educational institution." *See also*, K.S.A. 2009 Supp. 76-7,117 (applicable to Washburn University, the community colleges and technical colleges). During the 2007 legislative session, the Board developed a "mission critical" list of campus deferred maintenance projects. Ancillary buildings such as student unions, athletic facilities, etc. were not included in that list. Not wanting to promote or approve use of the tax credits in a way that might seem inconsistent with legislative intent, we thought it best to take the issue to the Joint Building Committee for discussion and consideration.

When we contacted Senator Umbarger about placing this matter on the Building Committee's November agenda, he asked that we first contact the Revisor of Statutes office, to assist him in determining whether the issue warrants further examination.

The Revisor's office has reviewed the K.S.A. 2009 Supp. 79-32,261 and concurs that it does not contain any limitation on the type of building which may be considered for the tax credit. Although statutes do not place severe limits on the building types and spaces, it is the Board's intent, if the Building Committee concurs, to approve the ESU and WSU requests for tax credits for deferred maintenance work in portions of the buildings used primarily for academic or academic support purposes.

Thank you for your attention. I would be pleased to respond to questions at this time.

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Kansas Board of Regents
State University Deferred Maintenance 5-Year Plan
Report for the Quarter Ended
September 30, 2010

5-YEAR BUDGET PLAN - FISCAL YEARS 2008 THROUGH 2012

The University of Kansas	ORIGINAL PROJECT BUDGETS			REVISED PROJECT BUDGETS				5-YEAR ANNUAL BUDGETED ALLOCATION AMOUNTS BY FISCAL YEAR AND CATEGORY													5-YEAR REVISED PROJECT TOTALS			
								FY 2008		FY 2009			FY 2010			FY 2011			FY 2012						
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	IMP	UI	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	4-YEAR TAX CREDITS TOTALS	GRAND TOTALS
Estimated, Approved Budget Amounts	$25,803,000	$10,769,000	$ 36,572,000	$21,129,790	$ 7,253,345	$ -	$ 28,383,135	$ 8,601,000	$2,626,306	$ 5,734,000	$1,747,039		$ 3,927,790	$ 960,000		$ -	$ 960,000		$ 2,867,000	$ 960,000		$21,129,790	$ 7,253,345	$ -	$ 28,383,135
Project Description and Estimated Cost																									
Utility Tunnel Improvements	$ 8,800,000	$ -	$ 8,800,000	$ 9,253,847	$ 2,811,000		$ 12,064,847	$ 6,000,000	$1,326,000	$ 2,759,000	$1,485,000		$ 484,847									$ 9,253,847	2,811,000	$ -	$ 12,064,847
Wescoe Hall	3,560,000	1,350,000	4,910,000	3,560,000	1,300,306		4,860,306	1,961,000	1,300,306	1,599,000	-											3,560,000	1,300,306	-	4,860,306
Haworth Hall	2,600,000		2,600,000	1,600,000	1,000,000		2,600,000	640,000		960,000	-			960,000		40,000						1,600,000	1,000,000	-	2,600,000
Malott Hall Improvements	1,239,000	1,391,000	2,630,000	2,367,961	262,039		2,630,000			406,000	262,039		1,961,961			-						2,367,961	262,039	-	2,630,000
Murphy Hall	2,637,000	1,823,000	4,460,000	365,829	950,000		1,315,829						365,829	-		920,000			30,000			365,829	950,000	-	1,315,829
Spencer Art Museum	-	970,000	970,000	-	-		0							-			-					-	-	-	-
Lippincott Hall	895,000	300,000	1,195,000	-	-		0						-	-		-	-					-	-	-	-
Bailey Hall	1,617,000	208,000	1,825,000	-	930,000		930,000						-	-		-	-			930,000		-	930,000	-	930,000
Strong Hall	-	2,013,000	2,013,000	2,867,000	-		2,867,000							-			-		2,867,000	-		2,867,000	-	-	2,867,000
Art and Design	896,000	204,000	1,100,000	-	-		0							-			-			-		-	-	-	-
Lindley Hall	2,080,000		2,080,000	1,115,153	-		1,115,153						1,115,153			-						1,115,153	-	-	1,115,153
Watson Library	530,000	1,105,000	1,635,000	-	-		0							-			-					-	-	-	-
Learned Hall	949,000	1,405,000	2,354,000	-	-		0															-	-	-	-
TOTALS	$25,803,000	$10,769,000	$ 36,572,000	$21,129,790	$ 7,253,345	$ -	$ 28,383,135	$ 8,601,000	$2,626,306	$ 5,734,000	$1,747,039		$ 3,927,790	$ 960,000		$ -	$ 960,000		$ 2,867,000	$ 960,000		$21,129,790	$ 7,253,345	$ -	$ 28,383,135

5-YEAR BUDGET PLAN - FISCAL YEARS 2008 THROUGH 2012

The University of Kansas Medical Center	ORIGINAL PROJECT BUDGETS			REVISED PROJECT BUDGETS				5-YEAR ANNUAL BUDGETED ALLOCATION AMOUNTS BY FISCAL YEAR AND CATEGORY													5-YEAR REVISED PROJECT TOTALS			
								FY 2008		FY 2009			FY 2010			FY 2011			FY 2012						
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	IMP	UI	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	4-YEAR TAX CREDITS TOTALS	GRAND TOTALS
Estimated, Approved Budget Amounts	$ 9,855,000	$ 2,000,000	$ 11,855,000	$ 8,070,150	$ 1,360,000		$ 9,430,150	$ 3,285,000	$ 400,000	$ 2,190,000	$ 276,000		$ -	$ 276,000		$ 1,642,500	$ 204,000		$ 1,095,000	$ 204,000		$ 8,212,500	$ 1,360,000	$ -	$ 9,572,500
Project Description and Estimated Cost																									
Campus Exterior Maintenance		$ 100,000	$ 100,000		$ 100,000		$ 100,000		$ 100,000													$ -	$ 100,000	$ -	$ 100,000
Campus Infrastructure Improvements		45,000	45,000		45,000		45,000		45,000													-	45,000	-	45,000
Wahl Hall East Basement AHU Replacement		80,000	80,000		80,000		80,000		80,000													-	80,000	-	80,000
Mechanical Infrastructure - Wichita		24,500	24,500		24,500		24,500		24,500													-	24,500	-	24,500
Emergency Repairs to Building 37 Vivarium			-		350,000		350,000		124,000		226,000											-	350,000	-	350,000
Replace Building 90 Electrical Switchgear			-		50,000		50,000				50,000											-	50,000	-	50,000
Campus Roof Replacements			-		-		-															-	-	-	-
Campus Electrical Infrastructure			-		276,000		276,000							276,000			-					-	276,000	-	276,000
Campus Steam Infrastructure Replacements			-		204,000		204,000													204,000		-	204,000	-	204,000
Campus Chilled Water Infrastructure Replacements			-		204,000		204,000										204,000			-		-	204,000	-	204,000
Applegate Energy Center & Utility Distribution Systems:																									
1. Renovate & Upgrade Boiler	1,038,471		1,038,471	988,149	-		988,149	574,149											414,000			988,149	-	-	988,149
2. Replace Emergency Generator System	2,809,022	455,000	3,264,022	2,355,022	-		2,355,022	1,841,367	-	513,655	-			-								2,355,022	-	-	2,355,022
3. Replace & Renovate Chilled Water System	4,302,747	1,295,500	5,598,247	2,966,219	26,500		2,992,719	591,084	26,500	1,229,610	-		464,525	-		-	-		681,000	-		2,966,219	26,500	-	2,992,719
4. Renovate Electrical Distribution System	1,621,985		1,621,985	1,477,985	-		1,477,985	278,400		428,835			770,750									1,477,985	-	-	1,477,985
5. Replace & Renovate Water Pumping System	282,775		282,775	282,775	-		282,775			17,900			264,875									282,775	-	-	282,775
TOTALS	$ 9,855,000	$ 2,000,000	$ 11,855,000	$ 8,070,150	$ 1,360,000	$ -	$ 9,430,150	$ 3,285,000	$ 400,000	$ 2,190,000	$ 276,000		$ 1,500,150	$ 276,000		$ -	$ 204,000		$ 1,095,000	$ 204,000		$ 8,070,150	$ 1,360,000	$ -	$ 9,430,150

5-YEAR BUDGET PLAN - FISCAL YEARS 2008 THROUGH 2012

Kansas State University	ORIGINAL PROJECT BUDGETS			REVISED PROJECT BUDGETS				5-YEAR ANNUAL BUDGETED ALLOCATION AMOUNTS BY FISCAL YEAR AND CATEGORY													5-YEAR REVISED PROJECT TOTALS			
								FY 2008		FY 2009			FY 2010			FY 2011			FY 2012						
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	IMP	UI	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	4-YEAR TAX CREDITS TOTALS	GRAND TOTALS
Estimated, Approved Budget Amounts	$27,198,000	$15,200,000	$ 42,398,000	$22,272,140	$ 7,700,000		$ 29,972,140	$ 9,066,000	$3,200,000	$ 6,044,000	$1,800,000		$ 4,140,140	$ 900,000		$ -	$ 900,000		$ 3,022,000	$ 900,000		$22,272,140	$ 7,700,000	$ -	$ 29,972,140
Project Description and Estimated Cost																									
Utility Infrastructure and Power Plant Improvements	$14,378,000	$ 4,045,000	$ 18,423,000	$10,102,140	$ 4,220,000		$ 14,322,140	$ 2,970,000		$ 1,610,000	$1,800,000		$ 2,500,140	$ 620,000		$ -	$ 900,000		$ 3,022,000	$ 900,000		$10,102,140	$ 4,220,000	$ -	$ 14,322,140
Renovate Academic & Academic Support Spaces in Old Memorial Stadium	2,600,000	7,400,000	10,000,000	170,000	-		170,000	170,000	-	-	-		-	-		-	-					170,000	-	-	170,000
Leasure Hall	2,863,000	737,000	3,600,000	750,000	-		750,000	216,000		534,000			-	-		-	-					750,000	-	-	750,000
Willard Hall ($10,000,000 total project. Balance to be paid from University investment earnings spent in 2013)	5,357,000	1,257,500	6,614,500	7,210,000	1,439,500		8,649,500	5,530,000	1,439,500	1,680,000				-		-	-		-	-		7,210,000	1,439,500	-	8,649,500
[illegible]urt	2,000,000		2,000,000	4,040,000	280,000		4,320,000	180,000		2,220,000			1,640,000	280,000								4,040,000	280,000	-	4,320,000
[illegible]her Projects		1,760,500	1,760,500		1,760,500		1,760,500		1,760,500													-	1,760,500	-	1,760,500
TOTALS	$27,198,000	$15,200,000	$ 42,398,000	$22,272,140	$ 7,700,000	$ -	$ 29,972,140	$ 9,066,000	$3,200,000	$ 6,044,000	$1,800,000		$ 4,140,140	$ 900,000		$ -	$ 900,000		$ 3,022,000	$ 900,000		$22,272,140	$ 7,700,000	$ -	$ 29,972,140

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Kansas Board of Regents
State University Deferred Maintenance 5-Year Plan
Report for the Quarter Ended
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5-YEAR BUDGET PLAN - FISCAL YEARS 2008 THROUGH 2012

Wichita State University	ORIGINAL PROJECT BUDGETS			REVISED PROJECT BUDGETS				5-YEAR ANNUAL BUDGETED ALLOCATION AMOUNTS BY FISCAL YEAR AND CATEGORY												5-YEAR REVISED PROJECT TOTALS			
								FY 2008		FY 2009			FY 2010			FY 2011			FY 2012						
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	IMP	UI	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	4-YEAR TAX CREDITS TOTALS	GRAND TOTALS
Estimated, Approved Budget Amounts	$ 9,279,000	$ 6,422,766	$ 15,701,766	$ 7,598,470	$ 3,305,639	$ 155,200	$ 11,059,309	$ 3,093,000	$1,244,952	$ 2,062,000	$ 869,472	$ 85,000	$ 1,412,470	$ 473,525			$ 358,845		$ 1,031,000	$ 358,845		$ 7,598,470	$ 3,305,639	$ 85,000	$ 19,989,109
Project Description and Estimated Cost																									
Duerksen Fine Arts Center	$ 3,106,000	$ 4,393,766	$ 7,499,766	$ 2,149,000	$ 2,946,794	$ 110,200	$ 5,205,994	$ 374,000	$1,244,952	$ 1,775,000	$ 869,472	$ 40,000		$ 473,525	$ 70,200		$ 358,845					$ 2,149,000	$ 2,946,794	$ 110,200	$ 5,205,994
Henrion Hall	240,000	53,000	293,000	-	-		-												-	-		-	-	-	-
Engineering Building	214,000	-	214,000	1,670,470		45,000	1,715,470	145,000		113,000		45,000	1,412,470									1,670,470	-	45,000	1,715,470
Grace Wilkie Hall	334,000		334,000	1,375,000	358,845		1,733,845	170,000		174,000									1,031,000	358,845		1,375,000	358,845	-	1,733,845
Fiske Hall	294,000	42,000	336,000	-	-		-													-		-	-	-	-
Wilner Auditorium	498,000		498,000	-	-		-						-									-	-	-	-
Clinton Hall	504,000	240,000	744,000	-	-		-									-				-		-	-	-	-
Visual Communications Building	156,000	36,000	192,000	54,702	-		54,702	54,702											-	-		54,702	-	-	54,702
Hubbard Hall		622,000	622,000	-	-		-										-					-	-	-	-
Wallace Hall	562,000	100,000	662,000	148,120	-		148,120	148,120									-		-	-		148,120	-	-	148,120
Ahlberg Hall	348,000		348,000	163,954			163,954	163,954											-			163,954	-	-	163,954
McKnight Art Center	474,000	30,000	504,000	214,060	-		214,060	214,060											-	-		214,060	-	-	214,060
Geology Building	418,000	30,000	448,000	-	-		-						-						-	-		-	-	-	-
Ablah Library	161,000		161,000	-			-												-			-	-	-	-
Jabara Hall	42,000		42,000	-	-		-												-			-	-	-	-
Central Energy Plant	384,000	24,000	408,000	235,243	-		235,243	235,243											-	-		235,243	-	-	235,243
Lindquist Hall	252,000	42,000	294,000	190,347	-		190,347	190,347												-		190,347	-	-	190,347
Jardine Hall	36,000	24,000	60,000	59,438	-		59,438	59,438												-		59,438	-	-	59,438
Elliott Hall		114,000	114,000		-		-													-		-	-	-	-
Infrastructure	680,000		680,000	1,134,660			1,134,660	1,134,660														1,134,660	-	-	1,134,660
Brennan Hall 1		210,000	210,000		-		-													-		-	-	-	-
Blake Hall		120,000	120,000	-	-		-													-		-	-	-	-
Heskett Center	300,000		300,000	116,696			116,696	116,696														116,696	-	-	116,696
Metropolitan Complex		342,000	342,000	-	-		-															-	-	-	-
Police Building	36,000		36,000	-			-												-			-	-	-	-
National Institute for Aviation Research	240,000		240,000	86,780			86,780	86,780														86,780	-	-	86,780
TOTALS	$ 9,279,000	$ 6,422,766	$ 15,701,766	$ 7,598,470	$ 3,305,639	$ 155,200	$ 11,059,309	$ 3,093,000	$1,244,952	$ 2,062,000	$ 869,472	$ 85,000	$ 1,412,470	$ 473,525	$ 70,200	$ -	$ 358,845	$ -	$ 1,031,000	$ 358,845	$ -	$ 7,598,470	$ 3,305,639	$ 155,200	$ 11,059,309

5-YEAR BUDGET PLAN - FISCAL YEARS 2008 THROUGH 2012

Emporia State University	ORIGINAL PROJECT BUDGETS			REVISED PROJECT BUDGETS				5-YEAR ANNUAL BUDGETED ALLOCATION AMOUNTS BY FISCAL YEAR AND CATEGORY												5-YEAR REVISED PROJECT TOTALS			
								FY 2008		FY 2009			FY 2010			FY 2011			FY 2012						
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	IMP	UI	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	4-YEAR TAX CREDITS TOTALS	GRAND TOTALS
Estimated, Approved Budget Amounts	$ 5,436,000	$ 2,430,000	$ 7,866,000	$ 4,451,480	$ 1,341,414		$ 5,792,894	$ 1,812,000	$ 459,700	$ 1,208,000	$ 372,414		$ 827,480	$ 169,300		$ -	$ 170,000		$ 604,000	$ 170,000		$ 4,451,480	$ 1,341,414	$ -	$ 5,792,894
Project Description and Estimated Cost																									
Physical Education Building Roof Replacement	$ 351,000	$ 486,000	$ 837,000	$ 351,000	$ 459,700		$ 810,700	$ 351,000	$ 459,700													$ 351,000	$ 459,700	$ -	$ 810,700
P.E. Building HVAC Repairs / Replacement		363,000	363,000		70,000		70,000													70,000		-	70,000	-	70,000
P.E. Building Plumbing Repairs / Replacement		123,000	123,000		100,000		100,000													100,000		-	100,000	-	100,000
White Library HVAC Repairs / Replacement	1,438,000	300,000	1,738,000	1,438,000	186,414		1,624,414	230,000		1,208,000	186,414											1,438,000	186,414	-	1,624,414
White Library Electrical Repairs / Replacement	519,000	186,000	705,000	519,000	186,000		705,000	410,000			186,000		109,000									519,000	186,000	-	705,000
White Library Elevator Repairs / Replacement	50,000		50,000	22,856			22,856						22,856									22,856	-	-	22,856
White Library Partition Repairs / Replacement	200,000		200,000	-			-															-	-	-	-
Utility Tunnels Repairs / Replacement	936,000		936,000	929,624			929,624	399,000					530,624									929,624	-	-	929,624
Roosevelt Hall Foundation Stabilization / Repairs	819,000	100,000	919,000	212,000			212,000	212,000														212,000	-	-	212,000
Roosevelt Hall HVAC Repairs / Replacement	175,000	275,000	450,000	340,000	137,930		477,930	175,000					165,000	137,930								340,000	137,930	-	477,930
Roosevelt Hall Plumbing Repairs / Replacement	35,000	63,000	98,000	35,000	-		35,000	35,000														35,000	-	-	35,000
Cremer Hall Elevator Repairs / Replacement	36,000	24,000	60,000	-	13,538		13,538							13,538								-	13,538	-	13,538
King Hall Elevator Repairs / Replacement	36,000	24,000	60,000	-	17,832		17,832							17,832								-	17,832	-	17,832
Visser Hall HVAC Repair / Replacement	291,000	486,000	777,000	54,000	170,000		224,000										170,000		54,000			54,000	170,000	-	224,000
Stormont Maint.Building HVAC Repair / Replacement	300,000		300,000	300,000			300,000												300,000			300,000	-	-	300,000
Power House Roof Replacement	250,000		250,000	250,000			250,000												250,000			250,000	-	-	250,000
TOTALS	$ 5,436,000	$ 2,430,000	$ 7,866,000	$ 4,451,480	$ 1,341,414	$ -	$ 5,792,894	$ 1,812,000	$ 459,700	$ 1,208,000	$ 372,414	$ -	$ 827,480	$ 169,300	$ -	$ -	$ 170,000	$ -	$ 604,000	$ 170,000	$ -	$ 4,451,480	$ 1,341,414	$ -	$ 5,792,894

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Pittsburg State University

5-YEAR BUDGET PLAN - FISCAL YEARS 2008 THROUGH 2012

	ORIGINAL PROJECT BUDGETS			REVISED PROJECT BUDGETS				5-YEAR ANNUAL BUDGETED ALLOCATION AMOUNTS BY FISCAL YEAR AND CATEGORY												5-YEAR REVISED PROJECT TOTALS			
								FY 2008		FY 2009			FY 2010			FY 2011			FY 2012						
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	IMP	UI	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	4-YEAR TAX CREDITS TOTALS	GRAND TOTALS
Estimated, Approved Budget Amounts	$ 6,210,000	$ 3,842,000	$ 10,052,000	$ 5,085,300	$ 1,741,840	$ -	$ 6,827,140	$ 2,070,000	$ 702,271	$ 1,380,000	$ 439,569		$ 945,300	$ 200,000			$ 200,000		$ 690,000	$ 200,000		$ 5,085,300	$ 1,741,840	$ -	$ 6,827,140
Project Description and Estimated Cost																									
McCray Hall	$ 2,300,000	$ -	$ 2,300,000	$ 2,093,357	$ 174,187		$ 2,267,544	$ 2,070,000	$ 174,187	$ 23,357												$ 2,093,357	$ 174,187	$ -	$ 2,267,544
Russ Hall	-	150,000	150,000		138,321		138,321		138,321													-	138,321	-	138,321
Axe Library	-	250,000	250,000		282,596		282,596		282,596													-	282,596	-	282,596
Heckert-Wells Hall and Weede Facility - Replace Electrical Switch Gear	-	150,000	150,000		103,910		103,910		103,910													-	103,910	-	103,910
Steam Line Replacement	-	200,000	200,000	106,455			106,455			106,455												106,455	-	-	106,455
Utility Distribution System Improvements	-	1,359,000	1,359,000	58,495	336,416		394,911			58,495	56,416			80,000						200,000		58,495	336,416	-	394,911
Porter Hall	2,185,000	115,000	2,300,000	2,136,993	149,737		2,286,730		3,257	1,191,693	146,480		945,300									2,136,993	149,737	-	2,286,730
Heckert - Wells Hall	630,000	418,000	1,048,000		140,049		140,049				20,049			120,000								-	140,049	-	140,049
Grubbs Hall	345,000	438,000	783,000		103,545		103,545				103,545											-	103,545	-	103,545
Yates Hall	345,000	387,000	732,000		113,079		113,079				113,079											-	113,079	-	113,079
Weede Facility	405,000	375,000	780,000	690,000	200,000		890,000							-			200,000		690,000			690,000	200,000	-	890,000
TOTALS	6,210,000	3,842,000	10,052,000	5,085,300	1,741,840	-	6,827,140	2,070,000	702,271	1,380,000	439,569	-	945,300	200,000	-	-	200,000	-	690,000	200,000	-	5,085,300	1,741,840	-	6,827,140

Fort Hays State University

5-YEAR BUDGET PLAN - FISCAL YEARS 2008 THROUGH 2012

	ORIGINAL PROJECT BUDGETS			REVISED PROJECT BUDGETS				5-YEAR ANNUAL BUDGETED ALLOCATION AMOUNTS BY FISCAL YEAR AND CATEGORY												5-YEAR REVISED PROJECT TOTALS			
								FY 2008		FY 2009			FY 2010			FY 2011			FY 2012						
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	IMP	UI	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	4-YEAR TAX CREDITS TOTALS	GRAND TOTALS
Estimated, Approved Budget Amounts	$ 6,219,000	$ 3,767,500	$ 9,986,500	$ 5,092,670	$ 2,689,725	$ 672,423	$ 8,454,818	$ 2,073,000	$ 826,225	$ 1,382,000	$ 738,500	$ 672,423	$ 946,670	$ 375,000		$ -	$ 375,000		$ 691,000	$ 375,000		$ 5,092,670	$ 2,689,725	$ 672,423	$ 8,454,818
Project Description and Estimated Cost																									
Picken Hall Improvements ($3,845,000)	$ 3,455,000	$ 390,000	$ 3,845,000	$ 3,455,000	$ 390,000		$ 3,845,000	$ 2,073,000		$ 1,382,000	$ 390,000											$ 3,455,000	$ 390,000	$ -	$ 3,845,000
Campus Electrical Improvements ($3,696,000)	2,073,000	1,623,000	3,696,000	946,670	1,040,725	672,423	2,659,818					672,423	946,670	690,425			350,300					946,670	1,040,725	672,423	2,659,818
Akers Energy Center - Boiler Replacements ($1,123,500)	691,000	432,500	1,123,500	691,000	375,000		1,066,000												691,000	375,000		691,000	375,000	-	1,066,000
Street Improvements ($661,000)	-	661,000	661,000		223,000		223,000				223,000											-	223,000	-	223,000
Utility Tunnel Replacement-Center of Quadrangle to Rarig	-	336,000	336,000		336,000		336,000		336,000													-	336,000	-	336,000
Sheridan Hall Roof Repairs ($70,000)	-	70,000	70,000		70,000		70,000		70,000													-	70,000	-	70,000
Service Buildings Masonry Cleaning and Sealing ($60,000	-	60,000	60,000		60,000		60,000		60,000													-	60,000	-	60,000
Repaint Cunningham Hall Gyms 100, 101, 102 and 121 (	-	35,000	35,000		35,000		35,000		35,000													-	35,000	-	35,000
Felten-Start Theatre Seating Replacement ($100,000)	-	100,000	100,000		100,000		100,000		100,000													-	100,000	-	100,000
Campus Exterior Graphics - Phase II ($60,000)	-	60,000	60,000		60,000		60,000		60,000													-	-	-	-
TOTALS	$ 6,219,000	$ 3,767,500	$ 9,986,500	$ 5,092,670	$ 2,689,725	$ 672,423	$ 8,454,818	$ 2,073,000	$ 661,000	$ 1,382,000	$ 613,000	$ 672,423	$ 946,670	$ 690,425	$ -	$ -	$ 350,300	$ -	$ 691,000	$ 375,000	$ -	$ 5,092,670	$ 2,629,725	$ 672,423	$ 8,394,818

Note: FHSU is accumulating University interest earnings and spending in fiscal years other than those in which they are earned.

System Totals

5-YEAR BUDGET PLAN - FISCAL YEARS 2008 THROUGH 2012

	ORIGINAL PROJECT BUDGETS			REVISED PROJECT BUDGETS				5-YEAR ANNUAL BUDGETED ALLOCATION AMOUNTS BY FISCAL YEAR AND CATEGORY												5-YEAR REVISED PROJECT TOTALS			
								FY 2008		FY 2009			FY 2010			FY 2011			FY 2012						
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	IMP	UI	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	4-YEAR TAX CREDITS TOTALS	GRAND TOTALS
Estimated, Approved Budget Amounts	$90,000,000	$44,431,266	$134,431,266	$73,700,000	$25,391,963	$ 827,623	$ 99,919,586	$30,000,000	$9,294,229	$20,000,000	$6,117,494	$ 757,423	$13,700,000	$3,669,250	$ 70,200	$ -	$3,143,145	$ -	$10,000,000	$3,167,845	$ -	$73,700,000	$25,391,963	$ 827,623	$ 99,919,586
					ERR		ERR																		ERR

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Kansas Board of Regents
State University Deferred Maintenance 5-Year Plan
Report for the Quarter Ended
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The University of Kansas

FY 2008 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2008 Allocation Budget			Revised 2008 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES					Project Status at 6/30/08	
									CURRENT QUARTER NOT APPLICABLE	FY 2008 TOTALS					
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved		IMP	UI	TAX CREDITS	TOTAL	Est. or Actual Completion Date	To Date % of Project Completion
Utility Tunnel Improvements	$ 6,000,000		$ 6,000,000	$ 6,000,000	$ 1,326,000	n/a	$ 7,326,000	6/30/08		$ 964,120		n/a	$ 964,120	12/2009	7.99%
Wescoe Hall	1,961,000	1,350,000	3,311,000	1,961,000	1,300,306	n/a	3,261,306	6/25/09		566,144	$ 881,479	n/a	1,447,623	08/2009	29.78%
Haworth Hall	640,000		640,000	640,000		n/a	640,000	n/a		212,581		n/a	212,581	11/2009	8.18%
TOTALS	$ 8,601,000	$ 1,350,000	$ 9,951,000	$ 8,601,000	$ 2,626,306		$11,227,306			$ 1,742,845	$ 881,479		$ 2,624,324		9.25%

FY 2009 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2009 Allocation Budget			Revised 2009 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES					Project Status	
									CURRENT QUARTER NOT APPLICABLE	TOTAL PROJECT-TO-DATE					
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved		IMP	UI	TAX CREDITS	TOTAL	Est. or Actual Completion Date	To Date % of Project Completion
Utility Tunnel Improvements	$ 1,200,000		$ 1,200,000	$ 2,769,000	$ 1,485,000		$ 4,254,000	6/30/08		$ 8,765,500	$ 1,200,793	$ 12,751	$ 9,979,044	12/2009	82.71%
Wescoe Hall	1,599,000		1,599,000	1,599,000			1,599,000	n/a		3,256,805	1,295,192	-	4,553,997	07/2009	93.70%
Haworth Hall	1,960,000		1,960,000	960,000			960,000	n/a		441,759	-	-	441,759	01/2010	16.99%
Malott Hall	975,000	$ 1,391,000	2,366,000	406,000	262,039		668,039	n/a		259,189	-	-	259,189	11/2010	9.86%
TOTALS	$ 5,734,000	$ 1,391,000	$ 7,125,000	$ 5,734,000	$ 1,747,039	$ -	$ 7,481,039			$12,725,253	$ 2,495,985	$ 12,751	$15,233,989		53.67%

FY 2010 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2010 Allocation Budget			Revised 2010 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES					Project Status	
									CURRENT QUARTER NOT APPLICABLE	TOTAL PROJECT-TO-DATE					
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved		IMP	UI	TAX CREDITS	TOTAL	Est. or Actual Completion Date	To Date % of Project Completion
Utility Tunnel Improvements	$ 1,600,000		$ 1,600,000	$ 484,847			$ 484,847	n/a		$ 9,007,261	$ 2,289,764	$ 55,997	$11,353,022	08/2010	94.10%
Wescoe Hall			-				-	n/a		3,307,887	1,295,192	-	4,603,079	07/2009	94.71%
Haworth Hall			-		960,000		960,000	n/a		1,425,027	76	-	1,425,103	05/2011	54.81%
Malott Hall	264,000		264,000	1,961,961			1,961,961	n/a		1,123,514	-	-	1,123,514	05/2011	42.72%
Murphy Hall	832,500	$ 1,364,000	2,196,500	365,829	-		365,829	n/a		14,885	-	-	14,885	08/2011	1.13%
Spencer Art Museum		970,000	970,000		-		-	n/a		-	-	-	-	02/2011	0.00%
Lippincott Hall	895,000	300,000	1,195,000	-	-		-	n/a		-	-	-	-	n/a	0.00%
Bailey Hall	709,000	42,000	751,000	-	-		-	n/a		-	-	-	-	n/a	0.00%
Lindley Hall	-	-	-	1,115,153	-		1,115,153								0.00%
TOTALS	$ 4,300,500	$ 2,676,000	$ 6,976,500	$ 3,927,790	$ 960,000	$ -	$ 4,887,790			$14,878,574	$ 3,585,032	$ 55,997	$18,519,603		65.25%

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Kansas Board of Regents
State University Deferred Maintenance 5-Year Plan
Report for the Quarter Ended
September 30, 2010

The University of Kansas

FY 2011 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2011 Allocation Budget IMP	2011 Allocation Budget UI	2011 Allocation Budget TOTAL	Revised 2011 Allocation Budget IMP	Revised 2011 Allocation Budget UI	Revised 2011 Allocation Budget TAX CREDITS	Revised 2011 Allocation Budget TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES — CURRENT QUARTER IMP	CURRENT QUARTER UI	CURRENT QUARTER TAX CREDITS	CURRENT QUARTER TOTAL	TOTAL PROJECT-TO-DATE IMP	TOTAL PROJECT-TO-DATE UI	TOTAL PROJECT-TO-DATE TAX CREDITS	TOTAL PROJECT-TO-DATE TOTAL	Project Status: Est. or Actual Completion Date	Project Status: To Date % of Project Completion
Utility Tunnel Improvements			$ -				$ -					$ -	$ 9,007,261	$ 2,289,764	$ 55,997	$11,353,022	08/2010	94.10%
Wescoe Hall			-				-					-	3,307,887	1,295,192	-	4,603,079	07/2009	94.71%
Haworth Hall			-		$ 40,000		40,000		23,511			23,511	1,448,538	76	-	1,448,614	05/2011	55.72%
Malott Hall			-				-					-	1,123,514	-	-	1,123,514	05/2011	42.72%
Murphy Hall	$ 1,804,500	$ 459,000	2,263,500		920,000		920,000	n/a	39,215			39,215	54,100	-	-	54,100	09/2011	4.11%
Spencer Art Museum			-		-		-					-	-	-	-	-	n/a	0.00%
Lippincott Hall			-		-		-					-	-	-	-	-	n/a	0.00%
Bailey Hall	908,000	166,000	1,074,000		-		-	n/a				-	-	-	-	-	n/a	0.00%
Strong Hall		742,000	742,000		-		-	n/a				-	-	-	-	-	n/a	0.00%
Art and Design		204,000	204,000		-		-	n/a				-	-	-	-	-	n/a	0.00%
Lindley Hall	1,058,000		1,058,000				-	n/a				-	-	-	-	-	n/a	0.00%
Watson Library	530,000	1,105,000	1,635,000		-		-	n/a				-	-	-	-	-	n/a	0.00%
TOTALS	$ 4,300,500	$ 2,676,000	$ 6,976,500	$ -	$ 960,000	$ -	$ 960,000		$ 62,726	$ -	$ -	$ 62,726	$14,941,300	$ 3,585,032	$ 55,997	$18,582,329		65.47%

FY 2012 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2012 Allocation Budget IMP	2012 Allocation Budget UI	2012 Allocation Budget TOTAL	Revised 2012 Allocation Budget IMP	Revised 2012 Allocation Budget UI	Revised 2012 Allocation Budget TAX CREDITS	Revised 2012 Allocation Budget TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES — CURRENT QUARTER IMP	CURRENT QUARTER UI	CURRENT QUARTER TAX CREDITS	CURRENT QUARTER TOTAL	TOTAL PROJECT-TO-DATE IMP	TOTAL PROJECT-TO-DATE UI	TOTAL PROJECT-TO-DATE TAX CREDITS	TOTAL PROJECT-TO-DATE TOTAL	Project Status: Est. or Actual Completion Date	Project Status: To Date % of Project Completion
Utility Tunnel Improvements			$ -				$ -					$ -	$ 9,007,261	$ 2,289,764	$ 55,997	$11,353,022		94.10%
Wescoe Hall			-				-					-	3,307,887	1,295,192	-	4,603,079		94.71%
Haworth Hall			-				-					-	1,448,538	76	-	1,448,614		55.72%
Malott Hall			-				-					-	1,123,514	-	-	1,123,514		42.72%
Murphy Hall			-		30,000		30,000					-	54,100	-	-	54,100		4.11%
Spencer Art Museum			-	-			-					-	-	-	-	-		0.00%
Lippincott Hall			-				-					-	-	-	-	-		0.00%
Bailey Hall			-		930,000		930,000					-	-	-	-	-		0.00%
Strong Hall		$ 1,271,000	1,271,000	2,867,000	-		2,867,000	n/a				-	-	-	-	-		0.00%
Art and Design	$ 896,000		896,000	-	-		-	n/a				-	-	-	-	-		0.00%
Lindley Hall	1,022,000		1,022,000	-			-	n/a				-	-	-	-	-		0.00%
Watson Library			-				-					-	-	-	-	-		0.00%
Learned Hall	949,000	1,405,000	2,354,000	-	-		-	n/a				-	-	-	-	-		0.00%
TOTALS	$ 2,867,000	$ 2,676,000	$ 5,543,000	$ 2,867,000	$ 960,000	$ -	$ 3,827,000		$ -	$ -	$ -	$ -	$14,941,300	$ 3,585,032	$ 55,997	$18,582,329		65.47%

FIVE-YEAR TOTALS TO DATE	$25,803,000	$10,769,000	$36,572,000	$21,129,790	$ 7,253,345	$ -	$28,383,135	>>>>>>>>>>>>>>>Not Relevant<<<<<<<<<<<<<<<	$14,941,300	$ 3,585,032	$ 55,997	$18,582,329	N/A	65.47%

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Kansas Board of Regents
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The University of Kansas Medical Center

FY 2008 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2008 Allocation Budget IMP	UI	TOTAL	Revised 2008 Allocation Budget IMP	UI	TAX CREDITS	TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES — CURRENT QUARTER NOT APPLICABLE	FY 2008 TOTALS IMP	UI	TAX CREDITS	TOTAL	Project Status at 6/30/08 Est. or Actual Completion Date	To Date % of Project Completion
Campus Exterior Maintenance		$ 100,000	$ 100,000		$ 100,000	n/a	$ 100,000	n/a			$ 47,492	n/a	$ 47,492	09/2008	47.49%
Campus Infrastructure Improvements		45,000	45,000		45,000	n/a	45,000	n/a			14,019	n/a	14,019	09/2008	31.15%
Wahl Hall East Basement AHU Replacement		80,000	80,000		80,000	n/a	80,000	n/a			73,752	n/a	73,752	05/2008	92.19%
Mechanical Infrastructure - Wichita		24,500	24,500		24,500	n/a	24,500	n/a				n/a	-	12/2008	0.00%
Emergency Repairs to Building 37 Vivarium			-		124,000	n/a	124,000	6/25/09				n/a	-		0.00%
~~*Replace Building 90 Electrical Switchgear*~~			-			n/a	-	6/25/09				n/a	-		0.00%
Campus Roof Replacements			-			n/a	-	6/25/09				n/a	-		#DIV/0!
Campus Electrical Infrastructure			-			n/a	-	6/25/09				n/a	-		0.00%
Campus Steam Infrastructure Replacements			-			n/a	-	6/25/09				n/a	-		0.00%
Applegate Energy Center and Utility Systems:															
1. Renovate & Upgrade Boiler	$ 574,149		574,149	574,149		n/a	574,149	n/a		$ 31,374		n/a	31,374	06/2012	3.18%
2. Replace Emergency Generator System	1,841,367	100,000	1,941,367	1,841,367		n/a	1,841,367	6/25/09		61,506	42,708	n/a	104,214	06/2011	4.43%
3. Replace & Renovate Chilled Water System	591,084	50,500	641,584	591,084	26,500	n/a	617,584	6/25/09		18,726		n/a	18,726	06/2012	0.63%
4. Renovate Electrical Distribution System	278,400		278,400	278,400		n/a	278,400	n/a		8,820		n/a	8,820	06/2012	0.60%
5. Replace & Renovate Water Pumping System			-			n/a	-	n/a				n/a	-	06/2010	0.00%
TOTALS	$ 3,285,000	$ 400,000	$ 3,685,000	$ 3,285,000	$ 400,000		$ 3,685,000			$ 120,426	$ 177,971		$ 298,397		3.16%

FY 2009 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2009 Allocation Budget IMP	UI	TOTAL	Revised 2009 Allocation Budget IMP	UI	TAX CREDITS	TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES — CURRENT QUARTER NOT APPLICABLE	TOTAL PROJECT-TO-DATE IMP	UI	TAX CREDITS	TOTAL	Project Status Est. or Actual Completion Date	To Date % of Project Completion
Campus Exterior Maintenance			$ -				$ -			$ -	$ 91,391	$ -	$ 91,391	03/2009	91.39%
Campus Infrastructure Improvements			-				-			-	40,652	-	40,652	03/2009	90.34%
Wahl Hall East Basement AHU Replacement			-				-			-	73,752	-	73,752	05/2008	92.19%
Mechanical Infrastructure - Wichita			-				-				11,829		11,829	12/2009	48.28%
Emergency Repairs to Building 37 Vivarium			-		226,000		226,000	6/25/09			72,916		72,916		20.83%
Replace Building 90 Electrical Switchgear			-		50,000		50,000	6/25/09			-		-		0.00%
Campus Roof Replacements			-				-				-		-		0.00%
Campus Electrical Infrastructure			-				-				-		-		0.00%
Campus Steam Infrastructure Replacements			-				-				-		-		0.00%
Applegate Energy Center and Utility Systems:															
1. Renovate & Upgrade Boiler			-				-			116,816	-	-	116,816	06/2012	11.82%
2. Replace Emergency Generator System	$ 513,655	$ 180,000	693,655	513,655	-		513,655	6/25/09		1,184,045	42,708	-	1,226,753	06/2011	52.09%
3. Replace & Renovate Chilled Water System	1,229,610	220,000	1,449,610	1,229,610	-		1,229,610	6/25/09		493,488	6,365	-	499,853	06/2012	16.70%
4. Renovate Electrical Distribution System	428,835		428,835	428,835			428,835	6/25/09		304,208	-	-	304,208	06/2010	20.58%
5 Replace & Renovate Water Pumping System	17,900		17,900	17,900			17,900	6/25/09		86,636	-	-	86,636	06/2010	30.64%
TOTALS	$ 2,190,000	$ 400,000	$ 2,590,000	$ 2,190,000	$ 276,000	$ -	$ 2,466,000			$ 2,185,193	$ 339,613	$ -	$ 2,524,806		26.77%

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The University of Kansas Medical Center

FY 2010 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2010 Allocation Budget IMP	UI	TOTAL	Revised 2010 Allocation Budget IMP	UI	TAX CREDITS	TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES — CURRENT QUARTER NOT APPLICABLE	TOTAL PROJECT-TO-DATE IMP	UI	TAX CREDITS	TOTAL	Project Status: Est. or Actual Completion Date	To Date % of Project Completion
Campus Exterior Maintenance			$ -				$ -			$ -	$ 91,391	$ -	$ 91,391		91.39%
Campus Infrastructure Improvements			-				-			-	40,652	-	40,652		90.34%
Wahl Hall East Basement AHU Replacement			-				-			-	73,752	-	73,752		92.19%
Mechanical Infrastructure - Wichita			-				-			-	11,829	-	11,829		48.28%
Emergency Repairs to Building 37 Vivarium			-				-			-	361,915	-	361,915	7/31/09	103.40%
Replace Building 90 Electrical Switchgear			-				-			-	12,671	-	12,671	12/01/09	25.34%
Campus Roof Replacements			-		276,000		276,000			-	-	-	-		0.00%
Campus Electrical Infrastructure			-				-			-	-	-	-		0.00%
Campus Steam Infrastructure Replacements			-				-			-	-	-	-		0.00%
Applegate Energy Center and Utility Systems:															
1. Renovate & Upgrade Boiler			-				-			136,106	-	-	136,106	9/30/10	13.77%
2. Replace Emergency Generator System		$ 175,000	175,000				-			2,104,674	88,120	-	2,192,794	9/30/10	93.11%
3. Replace & Renovate Chilled Water System	$ 606,875	225,000	831,875	464,525			464,525			2,176,337	14,718	-	2,191,055	9/30/10	73.21%
4. Renovate Electrical Distribution System	770,750		770,750	770,750			770,750			1,581,942	2,722	-	1,584,664	9/30/10	107.22%
5. Replace & Renovate Water Pumping System	264,875		264,875	264,875			264,875			691,997	2,575	-	694,572	9/30/10	245.63%
TOTALS	$ 1,642,500	$ 400,000	$ 2,042,500	$ 1,500,150	$ 276,000	$ -	$ 1,776,150			$ 6,691,056	$ 700,345	$ -	$ 7,391,401		78.38%

FY 2011 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2011 Allocation Budget IMP	UI	TOTAL	Revised 2011 Allocation Budget IMP	UI	TAX CREDITS	TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES — CURRENT QUARTER IMP	UI	TAX CREDITS	TOTAL	TOTAL PROJECT-TO-DATE IMP	UI	TAX CREDITS	TOTAL	Project Status: Est. or Actual Completion Date	To Date % of Project Completion
Campus Exterior Maintenance			$ -				$ -					$ -	$ -	$ 91,391	$ -	$ 91,391		91.39%
Campus Infrastructure Improvements			-				-					-	-	40,652	-	40,652		90.34%
Wahl Hall East Basement AHU Replacement			-				-					-	-	73,752	-	73,752		92.19%
Mechanical Infrastructure - Wichita			-				-					-	-	11,829	-	11,829		48.28%
Emergency Repairs to Building 37 Vivarium			-				-					-	-	361,915	-	361,915	7/31/09	103.40%
Replace Building 90 Electrical Switchgear			-				-					-	-	12,671	-	12,671	12/01/09	25.34%
Campus Roof Replacements			-				-					-	-	-	-	-		0.00%
Campus Electrical Infrastructure			-				-					-	-	-	-	-		0.00%
Campus Steam Infrastructure Replacements			-				-					-	-	-	-	-		0.00%
Campus Chilled Water Infrastructure Replacements			-		204,000		204,000			9,372		9,372	-	9,372	-	9,372		4.59%
Applegate Energy Center and Utility Systems:										146,981		146,981	-	146,981	-	146,981		72.05%
1. Renovate & Upgrade Boiler	$ 50,322		50,322				-					-	136,106	-	-	136,106	9/30/10	13.77%
2. Replace Emergency Generator System	254,000		254,000				-		7,127			7,127	2,111,801	88,120	-	2,199,921	9/30/10	93.41%
3. Replace & Renovate Chilled Water System	1,194,178	$ 400,000	1,594,178				-		45,923			45,923	2,222,260	14,718	-	2,236,978	9/30/10	74.75%
4. Renovate Electrical Distribution System	144,000		144,000				-		90,600			90,600	1,672,542	2,722	-	1,675,264	9/30/10	113.35%
5. Replace & Renovate Water Pumping System			-				-		35,026			35,026	727,023	2,575	-	729,598	9/30/10	258.01%
TOTALS	$ 1,642,500	$ 400,000	$ 2,042,500	$ -	$ 204,000	$ -	$ 204,000		$ 178,676	$ 156,353	$ -	$ 335,029	$ 6,869,732	$ 856,698	$ -	$ 7,726,430		81.93%

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FY 2012 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2012 Allocation Budget			Revised 2012 Allocation Budget				Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES								Project Status	
									CURRENT QUARTER				TOTAL PROJECT-TO-DATE				Est. or Actual Completion Date	To Date % of Project Completion
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL		IMP	UI	TAX CREDITS	TOTAL	IMP	UI	TAX CREDITS	TOTAL		
Campus Exterior Maintenance			$ -				$ -					$ -	$ -	$ 91,391	$ -	$ 91,391		91.39%
Campus Infrastructure Improvements			-				-					-	-	40,652	-	40,652		90.34%
Wahl Hall East Basement AHU Replacement			-				-					-	-	73,752	-	73,752		92.19%
Mechanical Infrastructure - Wichita			-				-					-	-	11,829	-	11,829		48.28%
Emergency Repairs to Building 37 Vivarium			-				-					-	-	361,915	-	361,915		103.40%
Replace Building 90 Electrical Switchgear			-				-					-	-	12,671	-	12,671		25.34%
Campus Roof Replacements			-				-					-	-	-	-	-		0.00%
Campus Electrical Infrastructure			-				-					-	-	-	-	-		0.00%
Campus Steam Infrastructure Replacements			-		204,000		204,000					-	-	9,372	-	9,372		4.59%
Campus Chilled Water Infrastructure Replacements			-				-					-	-	146,981	-	146,981		72.05%
Applegate Energy Center and Utility Systems:																		
1. Renovate & Upgrade Boiler	$ 414,000		414,000	414,000			414,000					-	136,106	-	-	136,106		13.77%
2. Replace Emergency Generator System			-				-					-	2,111,801	88,120	-	2,199,921		93.41%
3. Replace & Renovate Chilled Water System	681,000	$ 400,000	1,081,000	681,000			681,000					-	2,222,260	14,718	-	2,236,978		74.75%
4. Renovate Electrical Distribution System			-				-					-	1,672,542	2,722	-	1,675,264		113.35%
5. Replace & Renovate Water Pumping System			-				-					-	727,023	2,575	-	729,598		258.01%
TOTALS	$ 1,095,000	$ 400,000	$ 1,495,000	$ 1,095,000	$ 204,000	$ -	$ 1,299,000		$ -	$ -	$ -	$ -	$ 6,869,732	$ 856,698	$ -	$ 7,726,430		81.93%
FIVE-YEAR TOTALS TO DATE	$ 9,855,000	$ 2,000,000	$11,855,000	$ 8,070,150	$ 1,360,000	$ -	$ 9,430,150		>>>>>>>>>>>>>>>Not Relevant<<<<<<<<<<<<<<<				$ 6,869,732	$ 856,698	$ -	$ 7,726,430	N/A	81.93%

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Project/Building Name*	2008 Allocation Budget IMP	UI	TOTAL	Revised 2008 Allocation Budget IMP	UI	TAX CREDITS	TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES — CURRENT QUARTER NOT APPLICABLE	FY 2008 TOTALS IMP	UI	TAX CREDITS	TOTAL	Project Status at 6/30/08 Est. or Actual Completion Date	To Date % of Project Completion
Utility infrastructure & power plant improvements	$ 2,970,000		$ 2,970,000	$ 2,970,000		n/a	$ 2,970,000	n/a	[redacted]	$ 228,681		n/a	$ 228,681	12/2012	1.60%
Renovate academic & academic support spaces in old Memorial Stadium	600,000	$ 1,439,500	2,039,500	170,000		n/a	170,000	n/a		63,762	$ 551	n/a	64,313	11/2010	37.83%
Leasure Hall	216,000		216,000	216,000		n/a	216,000	n/a		32,031		n/a	32,031	12/2010	4.27%
Willard Hall	5,100,000		5,100,000	5,530,000	1,439,500	n/a	6,969,500	n/a		302,829		n/a	302,829	12/2012	3.50%
~~Seaton Court~~	~~180,000~~		~~180,000~~	~~180,000~~		~~n/a~~	~~180,000~~	~~n/a~~		~~63,033~~		~~n/a~~	~~63,033~~	~~12/2009~~	~~1.46%~~
Roofs and Other Projects		1,760,500	1,760,500	-	1,760,500	n/a	1,760,500	n/a			782,513	n/a	782,513	07/2008	44.45%
TOTALS	$ 9,066,000	$ 3,200,000	$12,266,000	$ 9,066,000	$ 3,200,000		$12,266,000			$ 690,336	$ 783,064		$ 1,473,400		4.92%

FY 2009 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2009 Allocation Budget IMP	UI	TOTAL	Revised 2009 Allocation Budget IMP	UI	TAX CREDITS	TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES — CURRENT QUARTER NOT APPLICABLE	TOTAL PROJECT-TO-DATE IMP	UI	TAX CREDITS	TOTAL	Project Status Est. or Actual Completion Date	To Date % of Project Completion
Utility infrastructure & power plant improvements	$ 1,610,000		$ 1,610,000	$ 1,610,000	$ 1,800,000		$ 3,410,000	n/a	[redacted]	$ 3,988,133	$ 10,249	$ -	$ 3,998,382	12/2012	27.92%
Renovate academic & academic support spaces in old Memorial Stadium	2,000,000	$ 3,000,000	5,000,000	-	-		-	n/a		118,339	551	-	118,890	11/2010	69.94%
Leasure Hall	614,000		614,000	534,000			534,000	n/a		277,978	-	-	277,978	12/2010	37.06%
Willard Hall			-	1,680,000			1,680,000	n/a		2,510,349	-	-	2,510,349	12/2012	29.02%
Seaton Court	1,820,000		1,820,000	2,220,000			2,220,000	n/a		621,259	-	-	621,259	12/2009	14.38%
Roofs and Other Projects			-				-	n/a		-	1,334,327	-	1,334,327	12/2009	75.79%
TOTALS	$ 6,044,000	$ 3,000,000	$ 9,044,000	$ 6,044,000	$ 1,800,000	$ -	$ 7,844,000			$ 7,516,058	$ 1,345,127	$ -	$ 8,861,185		29.56%

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FY 2010 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2010 Allocation Budget IMP	2010 Allocation Budget UI	2010 Allocation Budget TOTAL	Revised 2010 Allocation Budget IMP	Revised 2010 Allocation Budget UI	Revised 2010 Allocation Budget TAX CREDITS	Revised 2010 Allocation Budget TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES: CURRENT QUARTER NOT APPLICABLE	TOTAL PROJECT-TO-DATE IMP	TOTAL PROJECT-TO-DATE UI	TOTAL PROJECT-TO-DATE TAX CREDITS	TOTAL PROJECT-TO-DATE TOTAL	Project Status: Est. or Actual Completion Date	Project Status: To Date % of Project Completion
Utility infrastructure & power plant improvements	$ 2,500,000		$ 2,500,000	$ 2,500,140	$ 620,000		$ 3,120,140			$ 7,772,672	$ 1,163,734	$ -	$ 8,936,406	12/2012	62.40%
Renovate academic & academic support spaces in old Memorial Stadium	-	1,340,000	1,340,000				-			121,839	551	-	122,390	11/2010	71.99%
Leasure Hall	2,033,000	737,000	2,770,000	-	-		-			580,004	-	-	580,004	12/2010	77.33%
Willard Hall		923,000	923,000		-		-			4,271,408	12,776	-	4,284,184	12/2012	49.53%
Seaton Court			-	1,840,000	280,000		1,920,000			887,962	-	-	887,962	12/2009	20.55%
~~Roofs and Other Projects~~			-				-			-	~~1,376,382~~	-	~~1,376,382~~	~~12/2009~~	~~70.16%~~
TOTALS	$ 4,533,000	$ 3,000,000	$ 7,533,000	$ 4,140,140	$ 900,000	$ -	$ 5,040,140			$13,633,885	$ 2,553,443	$ -	$16,187,328		54.01%

FY 2011 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2011 Allocation Budget IMP	2011 Allocation Budget UI	2011 Allocation Budget TOTAL	Revised 2011 Allocation Budget IMP	Revised 2011 Allocation Budget UI	Revised 2011 Allocation Budget TAX CREDITS	Revised 2011 Allocation Budget TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES: CURRENT QUARTER IMP	CURRENT QUARTER UI	CURRENT QUARTER TAX CREDITS	CURRENT QUARTER TOTAL	TOTAL PROJECT-TO-DATE IMP	TOTAL PROJECT-TO-DATE UI	TOTAL PROJECT-TO-DATE TAX CREDITS	TOTAL PROJECT-TO-DATE TOTAL	Project Status: Est. or Actual Completion Date	Project Status: To Date % of Project Completion
Utility infrastructure & power plant improvements	$ 4,423,000	$ 1,379,500	$ 5,802,500	$ -	$ 900,000		$ 900,000		$ 125,812	$ 820		$ 126,632	$ 7,898,484	$ 1,164,554	$ -	$ 9,063,038	12/2012	63.28%
Renovate academic & academic support spaces in old Memorial Stadium		1,620,500	1,620,500				-		-	-		-	121,839	551	-	122,390	11/2010	71.99%
Leasure Hall			-				-		43,037	-		43,037	623,041	-	-	623,041	12/2010	83.07%
Willard Hall	110,000		110,000	-			-		344,594	20,220		364,814	4,616,002	32,996	-	4,648,998	12/2012	53.75%
Seaton Court			-				-		101,827	-		101,827	989,789	-	-	989,789	12/2009	22.91%
Roofs and Other Projects			-				-		-	28,748		28,748	-	1,405,130	-	1,405,130	12/2009	79.81%
TOTALS	$ 4,533,000	$ 3,000,000	$ 7,533,000	$ -	$ 900,000	$ -	$ 900,000		$ 615,270	$ 49,788	$ -	$ 665,058	$14,249,155	$ 2,603,231	$ -	$16,852,386		56.23%

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Kansas Board of Regents
State University Deferred Maintenance 5-Year Plan
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Kansas State University

FY 2012 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2012 Allocation Budget			Revised 2012 Allocation Budget				Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES								Project Status	
									CURRENT QUARTER				TOTAL PROJECT-TO-DATE				Est. or Actual Completion Date	To Date % of Project Completion
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL		IMP	UI	TAX CREDITS	TOTAL	IMP	UI	TAX CREDITS	TOTAL		
Utility infrastructure & power plant improvements	$ 2,875,000	$ 2,665,500	$ 5,540,500	$ 3,022,000	$ 900,000		$ 3,922,000					$ -	$ 7,898,484	$ 1,164,554	$ -	$ 9,063,038		63.28%
Renovate academic & academic support spaces in old Memorial Stadium			-				-					-	121,839	551	-	122,390		71.99%
Leasure Hall			-				-					-	623,041	-	-	623,041		83.07%
Willard Hall	147,000	334,500	481,500	-	-		-					-	4,616,002	32,996	-	4,648,998		53.75%
Seaton Court			-				-					-	989,789	-	-	989,789		22.91%
~~Roofs and Other Projects~~			-				-					-		~~1,405,130~~		~~1,405,130~~		~~79.81%~~
TOTALS	$ 3,022,000	$ 3,000,000	$ 6,022,000	$ 3,022,000	$ 900,000	$ -	$ 3,922,000		$ -	$ -	$ -	$ -	$14,249,155	$ 2,603,231	$ -	$16,852,386		56.23%
FIVE-YEAR TOTALS TO DATE	$27,198,000	$15,200,000	$42,398,000	$22,272,140	$ 7,700,000	$ -	$29,972,140		>>>>>>>>>>>>>>>>Not Relevant<<<<<<<<<<<<<<<<				$14,249,155	$ 2,603,231	$ -	$16,852,386	N/A	56.23%

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Kansas Board of Regents
State University Deferred Maintenance 5-Year Plan
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Wichita State University

FY 2008 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2008 Allocation Budget			Revised 2008 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES					Project Status at 6/30/08	
									CURRENT QUARTER NOT APPLICABLE	FY 2008 TOTALS					
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved		IMP	UI	TAX CREDITS	TOTAL	Est. or Actual Completion Date	To Date % of Project Completion
Duerksen Fine Arts Center	$ 24,000	$ 1,307,383	$ 1,331,383	$ 374,000	$ 1,244,952	n/a	$ 1,618,952	12/31/09		$ -	$ 45,124	n/a	$ 45,124	09/2008	0.87%
Engineering Building	101,000		101,000	145,000		n/a	145,000	3/30/08		-	-	n/a	-	10/2008	0.00%
Grace Wilkie Hall	70,000		70,000	170,000		n/a	170,000	3/30/08		-	-	n/a	-	10/2008	0.00%
Visual Communications Building	120,000		120,000	54,702		n/a	54,702	6/30/09		760	-	n/a	760	06/2008	1.39%
Wallace Hall	220,000		220,000	148,120		n/a	148,120	6/30/09		5,394	-	n/a	5,394	06/2008	3.64%
Ahlberg Hall	300,000		300,000	163,954		n/a	163,954	6/30/09		-	-	n/a	-	09/2008	0.00%
~~McKnight Art Center~~	~~450,000~~		~~450,000~~	~~214,060~~		~~n/a~~	~~214,060~~	~~6/30/09~~		-	-	~~n/a~~	-	~~06/2008~~	~~0.00%~~
Central Energy Plant	300,000		300,000	235,243		n/a	235,243	6/30/09		9,638	-	n/a	9,638	06/2008	4.10%
Lindquist Hall	252,000		252,000	190,347		n/a	190,347	6/30/09		-	-	n/a	-	06/2008	0.00%
Jardine Hall	36,000		36,000	59,438		n/a	59,438	6/30/09		-	-	n/a	-	06/2008	0.00%
Infrastructure	680,000		680,000	1,134,660		n/a	1,134,660	12/31/09		32,100	-	n/a	32,100	09/2008	2.83%
Heskett Center	300,000		300,000	116,696		n/a	116,696	6/30/09		27,383	-	n/a	27,383	06/2008	23.47%
National Institute for Aviation Research	240,000		240,000	86,780		n/a	86,780	6/30/09		70,902	-	n/a	70,902	06/2008	81.70%
TOTALS	$ 3,093,000	$ 1,307,383	$ 4,400,383	$ 3,093,000	$ 1,244,952		$ 4,337,952			$ 146,177	$ 45,124		$ 191,301		1.73%

FY 2009 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2009 Allocation Budget			Revised 2009 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES					Project Status	
									CURRENT QUARTER NOT APPLICABLE	TOTAL PROJECT-TO-DATE					
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved		IMP	UI	TAX CREDITS	TOTAL	Projected Completion Date	To Date % of Project Completion
Duerksen Fine Arts Center	$ 1,775,000	$ 1,307,383	$ 3,082,383	$ 1,775,000	$ 869,472	$ 40,000	$ 2,684,472	6/30/09		$ 968,976	$ 173,282	$ -	$ 1,142,258	03/2012	21.94%
Engineering Building	113,000		113,000	113,000		45,000	158,000	12/31/08		101,150	-	-	101,150	06/2010	5.90%
Grace Wilkie Hall	174,000		174,000	174,000			174,000	n/a		92,675	-	-	92,675	06/2011	5.35%
Visual Communications Building			-				-	n/a		54,702	-	-	54,702	12/2008	100.00%
Wallace Hall			-				-	n/a		147,520	-	-	147,520	07/2009	99.59%
Ahlberg Hall			-				-	n/a		167,954	-	-	167,954	06/2009	102.44%
McKnight Art Center			-				-	n/a		214,060	-	-	214,060	05/2009	100.00%
Central Energy Plant			-				-	n/a		235,258	-	-	235,258	04/2009	100.01%
Lindquist Hall			-				-	n/a		190,347	-	-	190,347	04/2009	100.00%
Jardine Hall			-				-	n/a		59,438	-	-	59,438	01/2009	100.00%
Infrastructure			-				-	n/a		746,698	-	-	746,698	07/2009	65.81%
Heskett Center			-				-	n/a		116,696	-	-	116,696	04/2009	100.00%
National Institute for Aviation Research			-				-	n/a		86,780	-	-	86,780	04/2009	100.00%
TOTALS	$ 2,062,000	$ 1,307,383	$ 3,369,383	$ 2,062,000	$ 869,472	$ 85,000	$ 3,016,472			$ 3,182,254	$ 173,282	$ -	$ 3,355,536		30.34%

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Wichita State University

FY 2010 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2010 Allocation Budget IMP	2010 Allocation Budget UI	2010 Allocation Budget TOTAL	Revised 2010 Allocation Budget IMP	Revised 2010 Allocation Budget UI	Revised 2010 Allocation Budget TAX CREDITS	Revised 2010 Allocation Budget TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES CURRENT QUARTER	TOTAL PROJECT-TO-DATE IMP	TOTAL PROJECT-TO-DATE UI	TOTAL PROJECT-TO-DATE TAX CREDITS	TOTAL PROJECT-TO-DATE TOTAL	Project Status Est. or Actual Completion Date	Project Status To Date % of Project Completion
Duerksen Fine Arts Center	$ 648,500	$ 1,172,000	$ 1,820,500		$ 473,525	$ 70,200	$ 543,725	12/31/09		$ 1,031,283	$ 173,282	$ -	$ 1,204,565	03/2012	23.14%
Henrion Hall	210,000		210,000	-			-	9/30/09		-	-	-	-	n/a	0.00%
Engineering Building			-	1,412,470			1,412,470	9/30/09		596,743	-	-	596,743	09/2010	34.79%
Grace Wilkie Hall			-				-	n/a		92,675	-	-	92,675	12/2011	5.35%
Wilner Auditorium	498,000		498,000	-			-	9/30/09		-	-	-	-	n/a	0.00%
Visual Communications Building			-				-	n/a		54,702	-	-	54,702	12/2008	100.00%
Hubbard Hall		60,000	60,000		-		-	9/30/09		-	-	-	-	n/a	0.00%
Wallace Hall			-				-	n/a		148,119	-	-	148,119	07/2009	100.00%
Ahlberg Hall			-				-	n/a		167,954	-	-	167,954	06/2009	102.44%
McKnight Art Center			-				-	n/a		214,060	-	-	214,060	05/2009	100.00%
Geology Building	190,000		190,000	-			-	9/30/09		-	-	-	-	n/a	0.00%
Central Energy Plant			-				-	n/a		235,258	-	-	235,258	04/2009	100.01%
Lindquist Hall			-				-	n/a		190,347	-	-	190,347	04/2009	100.00%
Jardine Hall			-				-	n/a		59,438	-	-	59,438	01/2009	100.00%
Infrastructure			-				-	n/a		1,036,370	-	-	1,036,370	10/2009	91.34%
Heskett Center			-				-	n/a		116,696	-	-	116,696	04/2009	100.00%
National Institute for Aviation Research			-				-	n/a		86,780	-	-	86,780	04/2009	100.00%
TOTALS	$ 1,546,500	$ 1,232,000	$ 2,778,500	$ 1,412,470	$ 473,525	$ 70,200	$ 1,956,195			$ 4,030,425	$ 173,282	$ -	$ 4,203,707		38.01%

FY 2011 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2011 Allocation Budget IMP	2011 Allocation Budget UI	2011 Allocation Budget TOTAL	Revised 2011 Allocation Budget IMP	Revised 2011 Allocation Budget UI	Revised 2011 Allocation Budget TAX CREDITS	Revised 2011 Allocation Budget TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES CURRENT QUARTER IMP	CURRENT QUARTER UI	CURRENT QUARTER TAX CREDITS	CURRENT QUARTER TOTAL	TOTAL PROJECT-TO-DATE IMP	TOTAL PROJECT-TO-DATE UI	TOTAL PROJECT-TO-DATE TAX CREDITS	TOTAL PROJECT-TO-DATE TOTAL	Project Status Est. or Actual Completion Date	Project Status To Date % of Project Completion
Duerksen Fine Arts Center	$ 658,500	$ 607,000	$ 1,265,500		$ 358,845		$ 358,845	n/a	$ 9,108			$ 9,108	$ 1,040,391	$ 173,282	$ -	$ 1,213,673	12/2012	23.31%
Henrion Hall			-				-					-	-	-	-	-	n/a	0.00%
Engineering Building			-	-			-		467,662			467,662	1,064,405	-	-	1,064,405	11/2010	62.05%
Grace Wilkie Hall	90,000		90,000				-	n/a				-	92,675	-	-	92,675	12/2013	5.35%
Fiske Hall	294,000		294,000	-			-	n/a				-	-	-	-	-	n/a	0.00%
Wilner Auditorium			-				-					-	-	-	-	-	n/a	0.00%
Clinton Hall	504,000		504,000	-			-	n/a				-	-	-	-	-	n/a	0.00%
Visual Communications Building			-				-					-	54,702	-	-	54,702	12/2008	100.00%
Hubbard Hall		562,000	562,000		-		-	n/a				-	-	-	-	-	n/a	0.00%
Wallace Hall		100,000	100,000		-		-	n/a				-	148,119	-	-	148,119	07/2009	100.00%
Ahlberg Hall			-				-					-	167,954	-	-	167,954	06/2009	102.44%
McKnight Art Center			-				-					-	214,060	-	-	214,060	05/2009	100.00%
Geology Building			-				-					-	-	-	-	-	n/a	0.00%
Central Energy Plant			-				-					-	235,258	-	-	235,258	04/2009	100.01%
Lindquist Hall			-				-					-	190,347	-	-	190,347	04/2009	100.00%
Jardine Hall			-				-					-	59,438	-	-	59,438	01/2009	100.00%
Infrastructure			-				-					-	1,036,370	-	-	1,036,370	10/2009	91.34%
Heskett Center			-				-					-	116,696	-	-	116,696	04/2009	100.00%
National Institute for Aviation Research			-				-					-	86,780	-	-	86,780	04/2009	100.00%
TOTALS	$ 1,546,500	$ 1,269,000	$ 2,815,500	$ -	$ 358,845	$ -	$ 358,845		$ 476,770	$ -	$ -	$ 476,770	$ 4,507,195	$ 173,282	$ -	$ 4,680,477		29.81%

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State University Deferred Maintenance 5-Year Plan
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Wichita State University

FY 2012 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2012 Allocation Budget			Revised 2012 Allocation Budget				Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES								Project Status	
									CURRENT QUARTER				TOTAL PROJECT-TO-DATE				Est. or Actual Completion Date	To Date % of Project Completion
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL		IMP	UI	TAX CREDITS	TOTAL	IMP	UI	TAX CREDITS	TOTAL		
Duerksen Fine Arts Center			$ -				$ -	n/a				$ -	$ 1,040,391	$ 173,282	$ -	$ 1,213,673		23.31%
Henrion Hall	$ 30,000	$ 53,000	83,000	$ -	$ -		-	n/a				-	-	-	-	-		0.00%
Engineering Building			-				-	n/a				-	1,064,405	-	-	1,064,405		62.05%
Grace Wilkie Hall			-	1,031,000	358,845		1,389,845	n/a				-	92,675	-	-	92,675		5.35%
Fiske Hall		42,000	42,000		-		-	n/a				-	-	-	-	-		0.00%
Wilner Auditorium			-				-	n/a				-	-	-	-	-		0.00%
Clinton Hall		240,000	240,000		-		-	n/a				-	-	-	-	-		0.00%
~~Visual Communications Building~~	~~36,000~~	~~36,000~~	~~72,000~~	-	-		-	n/a				-	~~54,702~~			~~54,702~~		~~100.00%~~
Hubbard Hall			-				-	n/a				-	-	-	-	-		0.00%
Wallace Hall	342,000		342,000	-			-	n/a				-	148,119	-	-	148,119		100.00%
Ahlberg Hall	48,000		48,000	-			-	n/a				-	167,954	-	-	167,954		102.44%
McKnight Art Center	24,000	30,000	54,000	-	-		-	n/a				-	214,060	-	-	214,060		100.00%
Geology Building	228,000	30,000	258,000	-	-		-	n/a				-	-	-	-	-		0.00%
Ablah Library	161,000		161,000	-	-		-	n/a				-	-	-	-	-		0.00%
Jabara Hall	42,000		42,000	-			-	n/a				-	-	-	-	-		0.00%
Central Energy Plant	84,000	24,000	108,000	-	-		-	n/a				-	235,258	-	-	235,258		100.01%
Lindquist Hall		42,000	42,000		-		-	n/a				-	190,347	-	-	190,347		100.00%
Jardine Hall		24,000	24,000		-		-	n/a				-	59,438	-	-	59,438		100.00%
Elliott Hall		114,000	114,000		-		-	n/a				-	-	-	-	-		0.00%
Infrastructure			-				-	n/a				-	1,036,370	-	-	1,036,370		91.34%
Brennan Hall 1		210,000	210,000		-		-	n/a				-	-	-	-	-		0.00%
Blake Hall		120,000	120,000		-		-	n/a				-	-	-	-	-		0.00%
Heskett Center			-				-	n/a				-	116,696	-	-	116,696		100.00%
Metropolitan Complex		342,000	342,000		-		-	n/a				-	-	-	-	-		0.00%
Police Building	36,000		36,000	-			-	n/a				-	-	-	-	-		0.00%
National Institute for Aviation Research			-				-	n/a				-	86,780	-	-	86,780		100.00%
TOTALS	$ 1,031,000	$ 1,307,000	$ 2,338,000	$ 1,031,000	$ 358,845	$ -	$ 1,389,845		$ -	$ -	$ -	$ -	$ 4,507,195	$ 173,282	$ -	$ 4,680,477		42.32%
FIVE-YEAR TOTALS TO DATE	$ 9,279,000	$ 6,422,766	$ 15,701,766	$ 7,598,470	$ 3,305,639	$ 155,200	$ 11,059,309		>>>>>>>>>>>>>>>Not Relevant<<<<<<<<<<<<<<				$ 4,507,195	$ 173,282	$ -	$ 4,680,477	N/A	29.81%

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Emporia State University

FY 2008 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2008 Allocation Budget IMP	2008 Allocation Budget UI	2008 Allocation Budget TOTAL	Revised 2008 Allocation Budget IMP	Revised 2008 Allocation Budget UI	Revised 2008 Allocation Budget TAX CREDITS	Revised 2008 Allocation Budget TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES: CURRENT QUARTER NOT APPLICABLE	FY 2008 TOTALS IMP	FY 2008 TOTALS UI	FY 2008 TOTALS TAX CREDITS	FY 2008 TOTALS TOTAL	Project Status at 6/30/08: Est. or Actual Completion Date	Project Status at 6/30/08: To Date % of Project Completion
Physical Education Building Roof Replacement	$ 351,000	$ 486,000	$ 837,000	$ 351,000	$ 459,700	n/a	$ 810,700		[redacted]	$ 348,485	$ 390,619	n/a	$ 739,104	08/2008	91.17%
White Library HVAC Repairs / Replacement	230,000		230,000	230,000		n/a	230,000			63,052		n/a	63,052	08/2008	3.88%
White Library Electrical Repairs / Replacement	410,000		410,000	410,000		n/a	410,000			32,250		n/a	32,250	08/2008	4.57%
Utility Tunnels Repairs / Replacement	339,000		339,000	399,000		n/a	399,000			162,214		n/a	162,214	08/2008	17.45%
Roosevelt Hall Foundation Stabilization / Repairs	272,000		272,000	212,000		n/a	212,000			65,156		n/a	65,156	10/2008	30.73%
Roosevelt Hall HVAC Repairs / Replacement	175,000		175,000	175,000		n/a	175,000			137,425		n/a	137,425	05/2008	28.75%
Roosevelt Hall Plumbing Repairs / Replacement	35,000		35,000	35,000		n/a	35,000			13,600		n/a	13,600	10/2008	38.86%
TOTALS	$ 1,812,000	$ 486,000	$ 2,298,000	$ 1,812,000	$ 459,700		$ 2,271,700			$ 822,182	$ 390,619		$ 1,212,801		20.94%

FY 2009 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2009 Allocation Budget IMP	2009 Allocation Budget UI	2009 Allocation Budget TOTAL	Revised 2009 Allocation Budget IMP	Revised 2009 Allocation Budget UI	Revised 2009 Allocation Budget TAX CREDITS	Revised 2009 Allocation Budget TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES: CURRENT QUARTER NOT APPLICABLE	TOTAL PROJECT-TO-DATE IMP	TOTAL PROJECT-TO-DATE UI	TOTAL PROJECT-TO-DATE TAX CREDITS	TOTAL PROJECT-TO-DATE TOTAL	Project Status at 6/30/09: Est. or Actual Completion Date	Project Status at 6/30/09: To Date % of Project Completion
Physical Education Building Roof Replacement			$ -				$ -		[redacted]	$ 351,000	$ 486,000	$ -	$ 837,000	10/2008	103.24%
White Library HVAC Repairs / Replacement	$ 1,208,000	$ 300,000	1,508,000	1,208,000	186,414		1,394,414			1,385,680	65,285	-	1,450,965	10/2009	89.32%
White Library Electrical Repairs / Replacement		186,000	186,000		186,000		186,000			136,258	-	-	136,258	10/2009	19.33%
Utility Tunnels Repairs / Replacement			-				-			330,507	-	-	330,507	06/2012	35.55%
Roosevelt Hall Foundation Stabilization / Repairs			-				-			175,017	-	-	175,017	06/2010	82.56%
Roosevelt Hall HVAC Repairs / Replacement			-				-			149,137	-	-	149,137	06/2010	31.20%
Roosevelt Hall Plumbing Repairs / Replacement			-				-			13,600	-	-	13,600	06/2010	38.86%
TOTALS	$ 1,208,000	$ 486,000	$ 1,694,000	$ 1,208,000	$ 372,414	$ -	$ 1,580,414			$ 2,541,199	$ 551,285	$ -	$ 3,092,484		53.38%

FY 2010 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2010 Allocation Budget IMP	2010 Allocation Budget UI	2010 Allocation Budget TOTAL	Revised 2010 Allocation Budget IMP	Revised 2010 Allocation Budget UI	Revised 2010 Allocation Budget TAX CREDITS	Revised 2010 Allocation Budget TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES: CURRENT QUARTER NOT APPLICABLE	TOTAL PROJECT-TO-DATE IMP	TOTAL PROJECT-TO-DATE UI	TOTAL PROJECT-TO-DATE TAX CREDITS	TOTAL PROJECT-TO-DATE TOTAL	Project Status at 6/30/10: Est. or Actual Completion Date	Project Status at 6/30/10: To Date % of Project Completion
Physical Education Building Roof Replacement			$ -				$ -		[redacted]	$ 351,000	$ 486,000	$ -	$ 837,000	10/2008	103.24%
White Library HVAC Repairs / Replacement			-				-			1,438,000	184,965	-	1,622,965	10/2009	99.91%
White Library Electrical Repairs / Replacement	$ 109,000		109,000	109,000			109,000			422,303	186,000	-	608,303	10/2009	86.28%
White Library Elevator Repairs / Replacement	50,000		50,000	22,856			22,856			22,856	-	-	22,856	06/2010	100.00%
White Library Partition Repairs / Replacement	200,000		200,000				-			-	-	-	-	06/2010	#DIV/0!
Utility Tunnels Repairs / Replacement			-	530,624			530,624			361,013	-	-	361,013	06/2012	38.83%
Roosevelt Hall Foundation Stabilization / Repairs	547,000	$ 100,000	647,000				-			212,020	-	-	212,020	06/2010	100.01%
Roosevelt Hall HVAC Repairs / Replacement		275,000	275,000	165,000	137,930		302,930			265,097	15,751	-	280,848	06/2010	58.76%
Roosevelt Hall Plumbing Repairs / Replacement		63,000	63,000		-		-			19,246	-	-	19,246	06/2010	54.99%
Cremer Hall Elevator Repairs / Replacement		24,000	24,000		13,538		13,538			-	13,538	-	13,538	06/2010	100.00%
ng Hall Elevator Repairs / Replacement		24,000	24,000		17,832		17,832			-	17,832	-	17,832	06/2010	100.00%
TOTALS	$ 906,000	$ 486,000	$ 1,392,000	$ 827,480	$ 169,300	$ -	$ 996,780			$ 3,091,535	$ 904,086	$ -	$ 3,995,621		68.97%

Kansas Board of Regents
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Emporia State University

FY 2011 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2011 Allocation Budget IMP	2011 Allocation Budget UI	2011 Allocation Budget TOTAL	Revised 2011 Allocation Budget IMP	Revised 2011 Allocation Budget UI	Revised 2011 Allocation Budget TAX CREDITS	Revised 2011 Allocation Budget TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES — CURRENT QUARTER IMP	CURRENT QUARTER UI	CURRENT QUARTER TAX CREDITS	CURRENT QUARTER TOTAL	TOTAL PROJECT-TO-DATE IMP	TOTAL PROJECT-TO-DATE UI	TOTAL PROJECT-TO-DATE TAX CREDITS	TOTAL PROJECT-TO-DATE TOTAL	Project Status: Est. or Actual Completion Date	Project Status: To Date % of Project Completion
Physical Education Building Roof Replacement			$ -				$ -					$ -	$ 351,000	$ 486,000	$ -	$ 837,000	10/2008	103.24%
White Library HVAC Repairs / Replacement			-				-			955		955	1,438,000	185,920	-	1,623,920	10/2009	99.97%
White Library Electrical Repairs / Replacement			-				-		62,311			62,311	484,614	186,000	-	670,614	10/2009	95.12%
White Library Elevator Repairs / Replacement			-				-					-	22,856	-	-	22,856	06/2010	100.00%
White Library Partition Repairs / Replacement			-				-					-	-	-	-	-	n/a	0.00%
Utility Tunnels Repairs / Replacement			-				-		27,500			27,500	388,513	-	-	388,513	06/2012	41.79%
Roosevelt Hall Foundation Stabilization / Repairs			-				-					-	212,020	-	-	212,020	06/2010	100.01%
Roosevelt Hall HVAC Repairs / Replacement			-				-		74,955	23,444		98,399	340,052	39,195	-	379,247	06/2010	79.35%
Roosevelt Hall Plumbing Repairs / Replacement			-				-					-	19,246	-	-	19,246	06/2010	54.99%
Cremer Hall Elevator Repairs / Replacement	$ 36,000		36,000				-					-	-	13,538	-	13,538	06/2010	100.00%
King Hall Elevator Repairs / Replacement	36,000		36,000		-		-					-	-	17,832	-	17,832	06/2010	100.00%
Visser Hall HVAC Repair / Replacement	284,000	$ 486,000	770,000		170,000		170,000					-	-	-	-	-		0.00%
Stormont Maintenance Building HVAC R&R	300,000		300,000				-					-	-	-	-	-		0.00%
Power House Roof Replacement	250,000		250,000				-					-	-	-	-	-		0.00%
TOTALS	$ 906,000	$ 486,000	$ 1,392,000	$ -	$ 170,000	$ -	$ 170,000		$ 164,766	$ 24,399	$ -	$ 189,165	$ 3,256,301	$ 928,485	$ -	$ 4,184,786		72.24%

FY 2012 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2012 Allocation Budget IMP	2012 Allocation Budget UI	2012 Allocation Budget TOTAL	Revised 2012 Allocation Budget IMP	Revised 2012 Allocation Budget UI	Revised 2012 Allocation Budget TAX CREDITS	Revised 2012 Allocation Budget TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES — CURRENT QUARTER IMP	CURRENT QUARTER UI	CURRENT QUARTER TAX CREDITS	CURRENT QUARTER TOTAL	TOTAL PROJECT-TO-DATE IMP	TOTAL PROJECT-TO-DATE UI	TOTAL PROJECT-TO-DATE TAX CREDITS	TOTAL PROJECT-TO-DATE TOTAL	Project Status: Est. or Actual Completion Date	Project Status: To Date % of Project Completion
Physical Education Building Roof Replacement			$ -				$ -					$ -	$ 351,000	$ 486,000	$ -	$ 837,000		103.24%
P.E. Building HVAC Repairs / Replacement		$ 363,000	363,000		70,000		70,000					-	-	-	-	-		0.00%
P.E. Building Plumbing Repairs / Replacement		123,000	123,000		100,000		100,000					-	-	-	-	-		0.00%
White Library HVAC Repairs / Replacement			-				-					-	1,438,000	185,920	-	1,623,920		99.97%
White Library Electrical Repairs / Replacement			-				-					-	484,614	186,000	-	670,614		95.12%
White Library Elevator Repairs / Replacement			-				-					-	22,856	-	-	22,856		100.00%
White Library Partition Repairs / Replacement			-				-					-	-	-	-	-		0.00%
Utility Tunnels Repairs / Replacement	$ 597,000		597,000				-					-	388,513	-	-	388,513		41.79%
Roosevelt Hall Foundation Stabilization / Repairs			-				-					-	212,020	-	-	212,020		100.01%
Roosevelt Hall HVAC Repairs / Replacement			-				-					-	340,052	39,195	-	379,247		79.35%
Roosevelt Hall Plumbing Repairs / Replacement			-				-					-	19,246	-	-	19,246		54.99%
Cremer Hall Elevator Repairs / Replacement			-				-					-	-	13,538	-	13,538		100.00%
King Hall Elevator Repairs / Replacement			-				-					-	-	17,832	-	17,832		100.00%
Visser Hall HVAC Repair / Replacement	7,000		7,000	54,000			54,000					-	-	-	-	-		0.00%
Stormont Maintenance Building HVAC R&R			-	300,000			300,000					-	-	-	-	-		0.00%
Power House Roof Replacement			-	250,000			250,000					-	-	-	-	-		0.00%
TOTALS	$ 604,000	$ 486,000	$ 1,090,000	$ 604,000	$ 170,000	$ -	$ 774,000		$ -	$ -	$ -	$ -	$ 3,256,301	$ 928,485	$ -	$ 4,184,786		72.24%

FIVE-YEAR TOTALS TO DATE	$ 5,436,000	$ 2,430,000	$ 7,866,000	$ 4,451,480	$ 1,341,414	$ -	$ 5,792,694	>>>>>>>>>>>>>>>>Not Relevant<<<<<<<<<<<<<<<<					$ 3,256,301	$ 928,485	$ -	$ 4,184,786	N/A	72.24%

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Kansas Board of Regents
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Pittsburg State University

FY 2008 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2008 Allocation Budget			Revised 2008 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES					Project Status at 6/30/08	
									CURRENT QUARTER NOT APPLICABLE	FY 2008 TOTALS				Est. or Actual	To Date
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved	[redacted]	IMP	UI	TAX CREDITS	TOTAL	Completion Date	% of Project Completion
McCray Hall	$ 2,070,000		$ 2,070,000	$ 2,070,000	$ 174,187	n/a	$ 2,244,187	6/25/09		$ 154,237	$ 12,014	n/a	$ 166,251	11/2008	7.33%
Russ Hall		150,000	150,000		138,321	n/a	138,321	6/25/09			38,263	n/a	38,263	07/2008	27.66%
Axe Library		250,000	250,000		282,596	n/a	282,596	6/25/09			11,488	n/a	11,488	09/2008	4.07%
Replace Electrical Switch Gears		150,000	150,000		103,910	n/a	103,910	6/25/09			2,268	n/a	2,268	08/2008	2.18%
Steam Line Replacement		200,000	200,000		-	n/a	-	6/25/09			-	n/a	-		0.00%
Porter Hall	-	-	-		3,257	n/a	3,257	6/25/09				n/a	-		0.00%
TOTALS	$ 2,070,000	$ 750,000	$ 2,820,000	$ 2,070,000	$ 702,271		$ 2,772,271			$ 154,237	$ 64,033		$ 218,270		3.20%

FY 2009 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2009 Allocation Budget			Revised 2009 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES					Project Status	
									CURRENT QUARTER NOT APPLICABLE	TOTAL PROJECT-TO-DATE				Est. or Actual	To Date
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved	[redacted]	IMP	UI	TAX CREDITS	TOTAL	Completion Date	% of Project Completion
McCray Hall	$ 230,000		$ 230,000	$ 23,357			$ 23,357	6/25/09		$ 2,093,357	$ 174,187	$ -	$ 2,267,544	4/2009	100.00%
Russ Hall			-				-	6/25/09		-	138,321	-	138,321	12/2008	100.00%
Axe Library			-				-	6/25/09		-	282,596	-	282,596	12/2008	100.00%
Replace Electrical Switch Gears			-				-	6/25/09		-	103,911	-	103,911	12/2008	100.00%
Steam Line Replacement			-	106,455	56,416		162,871	6/25/09		15,023	-	-	15,023	08/2009	14.11%
Utility Distribution System Improvements		$ 773,000	773,000	58,495			58,495	6/25/09		-	-	-	-	12/2010	0.00%
Porter Hall	1,150,000		1,150,000	1,191,693	146,480		1,338,173	6/25/09		234,165	6,274	-	240,439	09/2010	10.51%
Heckert-Wells Hall			-		20,049		20,049	6/25/09				-	-	09/2010	0.00%
Grubbs Hall			-		103,545		103,545	6/25/09				-	-	09/2010	0.00%
Yates Hall			-		113,079		113,079	6/25/09				-	-	09/2010	0.00%
TOTALS	$ 1,380,000	$ 773,000	$ 2,153,000	$ 1,380,000	$ 439,569	$ -	$ 1,819,569			$ 2,342,545	$ 705,289	$ -	$ 3,047,834		44.64%

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Kansas Board of Regents
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Pittsburg State University

FY 2010 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2010 Allocation Budget IMP	2010 Allocation Budget UI	2010 Allocation Budget TOTAL	Revised 2010 Allocation Budget IMP	Revised 2010 Allocation Budget UI	Revised 2010 Allocation Budget TAX CREDITS	Revised 2010 Allocation Budget TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES — CURRENT QUARTER NOT APPLICABLE	TOTAL PROJECT-TO-DATE IMP	TOTAL PROJECT-TO-DATE UI	TOTAL PROJECT-TO-DATE TAX CREDITS	TOTAL PROJECT-TO-DATE TOTAL	Project Status: Est. or Actual Completion Date	Project Status: To Date % of Project Completion
McCray Hall			$ -				$ -			$ 2,093,357	$ 174,187	$ -	$ 2,267,544	4/2009	100.00%
Russ Hall			-				-			-	138,321	-	138,321	12/2008	100.00%
Axe Library			-				-			-	282,596	-	282,596	12/2008	100.00%
Replace Electrical Switch Gears			-				-			-	103,911	-	103,911	12/2008	100.00%
Steam Line Replacement			-				-			106,417	-	-	106,417	8/2009	99.96%
Utility Distribution System Improvements		$ 200,000	200,000		80,000		80,000			55,327	6,304	-	61,631		15.61%
Porter Hall	$ 1,035,000	115,000	1,150,000	945,300			945,300			1,673,829	149,737	-	1,823,566	9/2010	79.75%
Heckert - Wells Hall		228,000	228,000		120,000		120,000			-	-	-	-	10/2011	0.00%
Grubbs Hall			-				-			-	67,450	-	67,450	10/2010	65.14%
Yates Hall			-				-			-	76,424	-	76,424	10/2010	67.58%
Weede Facility		230,000	230,000		-		-			-	-	-	-	10/2012	0.00%
TOTALS	$ 1,035,000	$ 773,000	$ 1,808,000	$ 945,300	$ 200,000	$ -	$ 1,145,300			$ 3,928,930	$ 998,930	$ -	$ 4,927,860		72.18%

FY 2011 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2011 Allocation Budget IMP	2011 Allocation Budget UI	2011 Allocation Budget TOTAL	Revised 2011 Allocation Budget IMP	Revised 2011 Allocation Budget UI	Revised 2011 Allocation Budget TAX CREDITS	Revised 2011 Allocation Budget TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES — CURRENT QUARTER IMP	CURRENT QUARTER UI	CURRENT QUARTER TAX CREDITS	CURRENT QUARTER TOTAL	TOTAL PROJECT-TO-DATE IMP	TOTAL PROJECT-TO-DATE UI	TOTAL PROJECT-TO-DATE TAX CREDITS	TOTAL PROJECT-TO-DATE TOTAL	Project Status: Est. or Actual Completion Date	Project Status: To Date % of Project Completion
McCray Hall			$ -				$ -					$ -	$ 2,093,357	$ 174,187	$ -	$ 2,267,544	4/2009	100.00%
Russ Hall			-				-					-	-	138,321	-	138,321	12/2008	100.00%
Axe Library			-				-					-	-	282,596	-	282,596	12/2008	100.00%
Replace Electrical Switch Gears			-				-					-	-	103,911	-	103,911	12/2008	100.00%
Steam Line Replacement			-				-					-	106,417	-	-	106,417	8/2009	99.96%
Utility Distribution System Improvements			-				-		3,169	46,400		49,569	58,496	52,704	-	111,200		28.16%
Porter Hall			-				-		237,503			237,503	1,911,332	149,737	-	2,061,069	11/2010	90.13%
Heckert-Wells Hall	$ 630,000	$ 190,000	820,000	-	-		-					-	-	-	-	-	10/2011	0.00%
Grubbs Hall		228,000	228,000				-			7,167		7,167	-	74,617	-	74,617	10/2010	72.06%
Yates Hall		210,000	210,000				-			9,633		9,633	-	86,057	-	86,057	10/2010	76.10%
Weede Facility	405,000	145,000	550,000		200,000		200,000					-	-	-	-	-	10/2011	0.00%
TOTALS	$ 1,035,000	$ 773,000	$ 1,808,000	$ -	$ 200,000	$ -	$ 200,000		$ 240,672	$ 63,200	$ -	$ 303,872	$ 4,169,602	$ 1,062,130	$ -	$ 5,231,732		76.63%

Kansas Board of Regents
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Pittsburg State University

FY 2012 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2012 Allocation Budget IMP	2012 Allocation Budget UI	2012 Allocation Budget TOTAL	Revised 2012 Allocation Budget IMP	Revised 2012 Allocation Budget UI	Revised 2012 Allocation Budget TAX CREDITS	Revised 2012 Allocation Budget TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES — CURRENT QUARTER IMP	CURRENT QUARTER UI	CURRENT QUARTER TAX CREDITS	CURRENT QUARTER TOTAL	TOTAL PROJECT-TO-DATE IMP	TOTAL PROJECT-TO-DATE UI	TOTAL PROJECT-TO-DATE TAX CREDITS	TOTAL PROJECT-TO-DATE TOTAL	Project Status: Est. or Actual Completion Date	Project Status: % of Project Completion To Date
McCray Hall			$ -				$ -					$ -	$ 2,093,357	$ 174,187	$ -	$ 2,267,544		100.00%
Russ Hall			-				-					-	-	138,321	-	138,321		100.00%
Axe Library			-				-					-	-	282,596	-	282,596		100.00%
Replace Electrical Switch Gears			-				-					-	-	103,911	-	103,911		100.00%
Steam Line Replacement			-				-					-	106,417	-	-	106,417		99.96%
Utility Distribution System Improvements		386,000	386,000		200,000		200,000					-	58,496	52,704	-	111,200		28.16%
Porter Hall			-				-					-	1,911,332	149,737	-	2,061,069		90.13%
Heckert - Wells Hall			-				-					-	-	-	-	-		0.00%
Grubbs Hall	345,000	210,000	555,000		-		-					-	-	74,617	-	74,617		72.06%
Yates Hall	345,000	177,000	522,000		-		-					-	-	86,057	-	86,057		76.10%
Weede Facility			-	690,000			690,000					-	-	-	-	-		0.00%
TOTALS	$ 690,000	$ 773,000	$ 1,463,000	$ 690,000	$ 200,000	$ -	$ 890,000		$ -	$ -	$ -	$ -	$ 4,169,602	$ 1,062,130	$ -	$ 5,231,732		76.63%
FIVE-YEAR TOTALS TO DATE	$ 6,210,000	$ 3,842,000	$10,052,000	$ 5,085,300	$ 1,741,840	$ -	$ 6,827,140		>>>>>>>>>>>>>>>Not Relevant<<<<<<<<<<<<<<<				$ 4,169,602	$ 1,062,130	$ -	$ 5,231,732	N/A	76.63%

Kansas Board of Regents
State University Deferred Maintenance 5-Year Plan
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Fort Hays State University

FY 2008 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2008 Allocation Budget			Revised 2008 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES					Project Status at 6/30/08	
									CURRENT QUARTER NOT APPLICABLE	FY 2008 TOTALS					
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved		IMP	UI	TAX CREDITS	TOTAL	Projected Completion Date	To Date % of Project Completion
Picken Hall Improvements	$ 2,073,000		$ 2,073,000	$ 2,073,000		n/a	$ 2,073,000	n/a		$ 184,776	$ -	n/a	$ 184,776	05/2010	4.81%
Utility Tunnel Replacement		336,000	336,000		336,000	n/a	336,000	n/a			25,964	n/a	25,964	09/2008	7.73%
Sheridan Hall Roof Repairs		70,000	70,000		70,000	n/a	70,000	06/25/09			59,256	n/a	59,256	05/2008	84.65%
Service Buildings Masonry Cleaning and Sealing		60,000	60,000		60,000	n/a	60,000	n/a			8,072	n/a	8,072	08/2008	13.45%
Repaint Cunningham Hall Gym Rooms		35,000	35,000		35,000	n/a	35,000	n/a			-	n/a	-		0.00%
Felten-Start Theatre Seating Replacement		100,000	100,000		100,000	n/a	100,000	n/a			-	n/a	-		0.00%
Campus Exterior Graphics - Phase II		60,000	60,000		60,000	n/a	60,000	n/a			-	n/a	-		0.00%
TOTALS	$ 2,073,000	$ 661,000	$ 2,734,000	$ 2,073,000	$ 661,000		$ 2,734,000			$ 184,776	$ 93,292		$ 278,068		3.29%

FY 2009 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2009 Allocation Budget			Revised 2009 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES					Project Status	
									CURRENT QUARTER NOT APPLICABLE	TOTAL PROJECT-TO-DATE					
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved		IMP	UI	TAX CREDITS	TOTAL	Est. or Actual Completion Date	To Date % of Project Completion
Picken Hall Improvements	$ 1,382,000	$ 390,000	$ 1,772,000	$ 1,382,000	$ 390,000		$ 1,772,000	1/13/10		$ 1,437,958		$ -	$ 1,437,958	05/2010	37.40%
Campus Electrical Improvements						$ 672,423	672,423			-	-	672,423	672,423		63.08%
Street Improvements		223,000	223,000		223,000		223,000			-	-	-	-	08/2010	0.00%
Utility Tunnel Replacement			-				-			-	332,837	-	332,837	10/2008	99.06%
Sheridan Hall Roof Repairs			-				-			-	92,631	-	92,631	05/2008	132.33%
Service Buildings Masonry Cleaning and Sealing			-				-			-	51,984	-	51,984	03/2009	86.64%
Repaint Cunningham Hall Gym Rooms			-				-			-	39,629	-	39,629	01/2009	113.23%
Felten-Start Theatre Seating Replacement			-				-			-	93,760	-	93,760	03/2009	93.76%
Campus Exterior Graphics - Phase II			-				-			-	-	-	-	09/2009	0.00%
TOTALS	$ 1,382,000	$ 613,000	$ 1,995,000	$ 1,382,000	$ 613,000	$ 672,423	$ 2,667,423			$ 1,437,958	$ 610,841	$ 672,423	$ 2,721,222		32.19%

Kansas Board of Regents
State University Deferred Maintenance 5-Year Plan
Report for the Quarter Ended
September 30, 2010

Fort Hays State University

FY 2010 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2010 Allocation Budget IMP	2010 Allocation Budget UI	2010 Allocation Budget TOTAL	Revised 2010 Allocation Budget IMP	Revised 2010 Allocation Budget UI	Revised 2010 Allocation Budget TAX CREDITS	Revised 2010 Allocation Budget TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES: CURRENT QUARTER NOT APPLICABLE	TOTAL PROJECT-TO-DATE IMP	TOTAL PROJECT-TO-DATE UI	TOTAL PROJECT-TO-DATE TAX CREDITS	TOTAL PROJECT-TO-DATE TOTAL	Project Status: Est. or Actual Completion Date	Project Status: To Date % of Project Completion
Picken Hall Improvements			$ -				$ -			$ 2,678,467	$ 494,110	$ 672,423	$ 3,845,000	05/2010	100.00%
Campus Electrical Improvements	$ 1,036,500	$ 986,500	2,023,000	946,670	690,425		1,637,095	01/13/10		-	-	-	-	12/2011	0.00%
Street Improvements			-				-			-	21,293	-	21,293	08/2010	9.55%
Utility Tunnel Replacement			-				-			-	332,837	-	332,837	10/2008	99.06%
Sheridan Hall Roof Repairs			-				-			-	92,631	-	92,631	05/2008	132.33%
Service Buildings Masonry Cleaning and Sealing			-				-			-	51,984	-	51,984	03/2009	86.64%
Repaint Cunningham Hall Gym Rooms			-				-			-	39,629	-	39,629	01/2009	113.23%
Felten-Start Theatre Seating Replacement			-				-			-	93,760	-	93,760	03/2009	93.76%
Campus Exterior Graphics - Phase II			-				-			-	44,705	-	44,705	07/2010	74.51%
TOTALS	$ 1,036,500	$ 986,500	$ 2,023,000	$ 946,670	$ 690,425	$ -	$ 1,637,095			$ 2,678,467	$ 1,170,949	$ 672,423	$ 4,521,839		53.48%

FY 2011 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2011 Allocation Budget IMP	2011 Allocation Budget UI	2011 Allocation Budget TOTAL	Revised 2011 Allocation Budget IMP	Revised 2011 Allocation Budget UI	Revised 2011 Allocation Budget TAX CREDITS	Revised 2011 Allocation Budget TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES: CURRENT QUARTER IMP	CURRENT QUARTER UI	CURRENT QUARTER TAX CREDITS	CURRENT QUARTER TOTAL	TOTAL PROJECT-TO-DATE IMP	TOTAL PROJECT-TO-DATE UI	TOTAL PROJECT-TO-DATE TAX CREDITS	TOTAL PROJECT-TO-DATE TOTAL	Project Status: Est. or Actual Completion Date	Project Status: To Date % of Project Completion
Picken Hall Improvements			$ -				$ -					$ -	$ 2,678,467	$ 494,110	$ 672,423	$ 3,845,000	05/2010	100.00%
Campus Electrical Improvements	$ 1,036,500	$ 636,500	1,673,000		$ 350,300		350,300		206	3		209	206	3	-	209	12/2011	0.01%
Street Improvements		117,000	117,000				-			199,781		199,781	-	221,074	-	221,074	08/2010	99.14%
Utility Tunnel Replacement			-				-					-	-	332,837	-	332,837	10/2008	99.06%
Sheridan Hall Roof Repairs			-				-					-	-	92,631	-	92,631	05/2008	132.33%
Service Buildings Masonry Cleaning and Sealing			-				-					-	-	51,984	-	51,984	03/2009	86.64%
Repaint Cunningham Hall Gym Rooms			-				-					-	-	39,629	-	39,629	01/2009	113.23%
Felten-Start Theatre Seating Replacement			-				-					-	-	93,760	-	93,760	03/2009	93.76%
Campus Exterior Graphics - Phase II			-				-			1,385		1,385	-	46,090	-	46,090	07/2010	76.82%
TOTALS	$ 1,036,500	$ 753,500	$ 1,790,000	$ -	$ 350,300	$ -	$ 350,300		$ 206	$ 201,169	$ -	$ 201,375	$ 2,678,673	$ 1,372,118	$ 672,423	$ 4,723,214		55.86%

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State University Deferred Maintenance 5-Year Plan
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Fort Hays State University

FY 2012 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2012 Allocation Budget			Revised 2012 Allocation Budget				Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES								Project Status	
									CURRENT QUARTER				TOTAL PROJECT-TO-DATE				Est. or Actual Completion Date	To Date % of Project Completion
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL		IMP	UI	TAX CREDITS	TOTAL	IMP	UI	TAX CREDITS	TOTAL		
Picken Hall Improvements			$ -				$ -					$ -	$ 2,678,467	$ 494,110	$ 672,423	$ 3,845,000		100.00%
Campus Electrical Improvements			-				-					-	206	3	-	209		0.01%
Akers Energy Center Boiler Replacements	$ 691,000	$ 432,500	1,123,500	$ 691,000	$ 375,000		1,066,000					-	-	-	-	-		0.00%
Street Improvements		321,000	321,000				-					-	-	221,074	-	221,074		99.14%
Utility Tunnel Replacement			-				-					-	-	332,837	-	332,837		99.06%
Sheridan Hall Roof Repairs			-				-					-	-	92,631	-	92,631		132.33%
Service Buildings Masonry Cleaning and Sealing			-				-					-	-	51,984	-	51,984		86.64%
Repaint Cunningham Hall Gym Rooms			-				-					-	-	39,629	-	39,629		113.23%
Felten-Start Theatre Seating Replacement			-				-					-	-	93,760	-	93,760		93.76%
Campus Exterior Graphics - Phase II			-				-					-	-	46,090	-	46,090		76.82%
TOTALS	$ 691,000	$ 753,500	$ 1,444,500	$ 691,000	$ 375,000	$ -	$ 1,065,000		$ -	$ -	$ -	$ -	$ 2,678,673	$ 1,372,118	$ 672,423	$ 4,723,214		55.86%
FIVE-YEAR TOTALS TO DATE	$ 6,219,000	$ 3,767,500	$ 9,986,500	$ 5,092,670	$ 2,689,725	$ 672,423	$ 8,454,818		>>>>>>>>>>>>>>>Not Relevant<<<<<<<<<<<<<<				$ 2,678,673	$ 1,372,118	$ 672,423	$ 4,723,214	N/A	55.86%

Kansas Board of Regents
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	TOTAL PROJECT-TO-DATE			
ALL UNIVERSITIES	IMP	UI	TAX CREDITS	TOTAL
Project-to-date total expenditures by category	$ 50,671,958	$ 10,580,976	$ 728,420	$ 61,981,354

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Joint Committee on State Building Construction

Eric King, Director of Facilities
August 2010

Good afternoon, Chairman Umbarger and members of the Committee. Thank you for this opportunity to appear before your committee to provide you with a quarterly report on the State Educational Institution Long-Term Infrastructure Maintenance Program, per requirements mandated by K.S.A. 76-7,103 *et seq.*

As you know, in 2007, the Legislature enacted legislation creating the Postsecondary Educational Institution (PEI) Long-Term Infrastructure Maintenance Program (IMP), as well as several important financing components that will be implemented over the five-year period that began in 2008. These components included:

I. Direct state funds of $90 million and approximately $44 million in interest earnings from university funds to begin to address the then-documented $663 million backlog of deferred maintenance projects at the state universities;

II. Interest-free bonding authority up to $100 million available to Washburn University, the 19 community colleges, and the five technical colleges to be used for infrastructure improvement projects; and

III. Allowance of state-funded tax credits intended to generate up to $158 million in private contributions to the state's six universities, Washburn University, the 19 community colleges, and the five technical colleges.

This report covers the fourth quarter of fiscal year (FY) 2010, ended June 30, 2010. At the end of this period, the state universities had total, actual, project-to-date expenditures of $59,747,359, which includes direct state funds of $48,932,872, university interest earnings of $10,086,067, and tax credit donation expenditures of $728,420. The expenditures include those made in FY 2008 and FY 2009, as well as the monies spent in FY 2010.

I. Direct State Funds, University Interest Earnings, and Tax Credit Donations

The following is an abbreviated narrative update on the progress the state universities have made on their authorized, deferred maintenance projects. Information about each university's current quarter and project-to-date expenditures can be found in the spreadsheets attached for your review. If additional detail about these expenditures is needed, please let me know.

Emporia State University

1. Physical Education Building Roof Replacement – This project is complete, and allocated funds were expended.

2. William Allen White (WAW) Library HVAC Repairs/Replacement - The base contract has been completed, and the certificate of occupancy has been issued. The final change order

Attachment 19
JCSBC 11-10-10

for the replacement of an existing rooftop air conditioning and condensing unit was approved ($76,720.00) and has been installed. Final payment will be made in the next few weeks. This will complete the project, expending the remaining FY 2008 and FY 2009 Funds. The remaining funds will be transferred to start other deferred maintenance projects indicated in FY 2011 and FY 2012.

3. WAW Library Electrical Repairs/Replacement - The base contract has been completed, and the certificate of occupancy has been issued. The final change order for the replacement of an existing rooftop air conditioning, condensing unit has been approved ($76,720.00) and has been installed. Final payment will be made in the next few weeks. This will complete the project, expending the remaining FY 2008 and FY 2009 Funds. The remaining funds will be transferred to start other deferred maintenance projects indicated in FY 2011 and FY 2012.

4. WAW Partition Repairs/Replacement – The HVAC & Electrical Repairs/Replacement project bids were considerably under the estimates for this project and repairs/replacement of partitions related to these projects were included in those budgets. The remaining funds will be transferred to start other deferred maintenance projects indicated in FY 2011 and FY 2012.

5. Utility Tunnels Repairs - Work has been completed with this phase of the project, with valve replacements, asbestos abatement, and re-insulation. Additional tunnel work will be started upon the completion of the asbestos and re-insulation work. A study has been completed to verify the location, condition and types of valves for the campus main water supply lines in the tunnel system. The final phase of construction and funding will start in FY 2012. Remaining funds, if any, from other projects will be reallocated to this project to allow the start of the replacement of the campus main water supply lines at an earlier date.

6. Roosevelt Hall Foundation Stabilization - Construction has been completed for the underground work. The above ground work (installing expansion joints in the masonry walls and lining the crawl spaces) will be completed with on-call construction services during FY 2010.

7. Roosevelt Hall HVAC Replacement – Replacement of existing roof top units has been completed. The final phase of construction to replace the supply and return air systems began this fiscal year. Preliminary and final planning has been completed. The bids were received April 20, 2010, and the apparent low bidder is Modern Air Conditioning of Emporia, Kansas, at $157,200. Work will start in May 2010, to minimize classroom disruption, and will be completed by August 2010.

8. Roosevelt Hall Plumbing Replacement – Specifications are being prepared for the repairs and/or replacement of the hot/cold water main supply lines. The repairs to the main sewer line from the building to the City sewer main have been completed. Planning work has been completed. The final phase of construction and funding begins this fiscal year during appropriate academic down times (Christmas Break, Spring Break and Summer Break).

9. Elevator repair projects for White Library, Cremer Hall, and King Hall have been completed. The remaining funds will be transferred to start other deferred maintenance projects indicated in FY 2011 and FY 2012.

Fort Hays State University

1. Picken Hall Improvements – This project is 99% complete. Owner move-in occurred during the month of June 2010, and remaining change order work is nearly complete.

2. Utility Tunnel Replacement from Center of Quad to Rarick Hall – This project is complete.

3. Service Buildings Masonry Cleaning and Sealing – This project is complete.

4. Sheridan Hall Re-Roofing – This project is complete.

5. Felten-Start Theatre Seating Replacement – This project is complete.

6. Repaint Cunningham Hall Gyms 100,101,120 & 121 – This project is complete.

7. Campus Exterior Graphics – Phase II – Material bids are now complete. Installation is 98% complete.

8. Campus Electrical Improvements – Phase I design documents are in final review. A late August 2010 bid date is anticipated. The paralleling switchgear and 1360KW generator components previously were bid and awarded.

9. Street Improvements – This project will replace one block of street pavement along Park Street/South Campus Drive. This project is under construction, and is expected to be complete during August 2010.

Kansas State University

1. Utilities Infrastructure and Power Plant Improvements:

   a. Replacement of campus steam line – Federal Stimulus Funds will now pay for the work. The project engineer is Smith and Boucher. The project is under construction.

   b. Boiler replacement in the Power Plant – The work is complete. The project engineer is Bucher Willis Ratliff, and the contractor is Knopke Co., LLC of Kansas City.

   c. Repair and replace antiquated 4160 volt electrical system - Project construction is 95% complete. The construction of the National Bio-Ag Facility (NBAF) has added to the project's overall size and cost. The revised completion date is August 15, 2010. The engineer is Morrow Engineering, and the contractor is Torguson Electrical Co.

2. Renovate Academic and Academic Support Space in Old Memorial Stadium – The master plan for West Memorial Stadium is finalized. Costs are identified. A schedule of design and construction is developed. Bid documents are on hold pending availability of budget. The project's on-call architect is Ken Ebert Design Group. The on-call engineer is Orazem & Scalora Engineering of Manhattan, Kansas.

3. Leasure Hall Renovation

   a. The elevator was completed in January 2009.

b. A general use classroom (Room 010) is being renovated, and a maintenance shop is being converted into a technology general use classroom. The design and construction were done in house, and the project is 99% complete.

c. The exterior doors and stairs were replaced to conform to ADA and life safety standards. The design was done in house, and construction was done by an on-call contractor. The project is complete.

4. Willard Hall:

a. Repair and replacement of exterior stone walls is complete. The stones were cleaned and tuck-pointed where possible, and waterproofing of the entrances is complete. The contractor was Restoration and Waterproofing, Inc., and the architect for the project was Bruce McMillian Architects.

b. Construction is complete for the below-grade waterproofing. The contractor was Ron Fowles Construction, and the engineering was done in-house.

c. The medium-voltage electrical project is complete. Brack & Associates was the engineer, and the contractor was Coal Creek Construction.

d. The broken coolers have been removed. The basement walls have been demolished to begin the repair and replacement project, and asbestos abatement is complete.

e. Life safety and ADA improvements construction is complete. The firm of Treanor Architects is the on-call project architect, and the contractor is The Wilson Group.

f. Basement improvements project construction is complete. Treanor Architects is the on-call architect, and the contractor is Cheney Construction Company.

g. Willard north basement improvement is complete. Treanor Architects is the on-call architect, and the contractor is Cheney Construction Company.

h. The KSU Facilities shops and private contractors are converting all basement space from labs into art studios, and the work is 85% complete.

i. The fire alarm system for the building was bid and contract work was awarded to Cheney Construction. The project is 70% complete, with a projected completion date of August 15, 2010.

j. Forty percent of the basement windows have been replaced, and a bid package is being prepared for the remaining windows in the building. The revised date of completion is February 1, 2011.

k. The reroofing project is in the planning stage. Ebert Mayo Design Group is the architect of record. The lower roof has been replaced by Danker Roofing. Willard's upper roof is in design by Ebert/Mayo Design Groups. The roofing projects will start in 2011, and the building may be scaffolded for the work.

5. Seaton Court:

   a. The Seaton Court roof project construction is 100% complete, but the project still has an outstanding punch list and warranty items to be addressed. The on-call architect is Anderson Knight of Manhattan, Kansas, and the contractor is Ron Fowles.

   b. The flat roof of the connecting structure between Seaton Court and Seaton Hall was evaluated. The project has been divided, due to the fact that two different roofing systems are involved, each with its own problems and solutions.
      i. Flat roof - The on-call consultants BG Engineering completed the plans, and the project was bid. Ron Fowles Construction was the successful low bidder. The project is under construction and is 50% complete.
      ii. Gable roof - The cracked and broken rafters cannot be repaired, and there is a large amount of asbestos-containing materials surrounding them. In-house plans and specifications for an umbrella roof to be built over the existing roof are 50% complete. BG Engineering has been retained to do the structural plans. Architectural plans are being done in house. Construction is scheduled to be completed in Fall 2010.
   c. A fire sprinkler system to be installed in the Seaton link, Seaton Court shops area, and Seaton Court is in the planning phase.

6. Roofs and Other Projects:

   a. The Calvin Hall re-roofing project was completed in Winter 2008.

   b. The Justin Hall 109 general use classroom renovation was completed in Fall 2008.

   c. The Kedzie Hall 017 classroom laboratory renovation was completed in Fall 2008.

Pittsburg State University

1. McCray Hall Renovation - The project is complete. Final payment was issued May 1, 2009.

2. Electrical Switchgear Replacements - The project is complete. Final payment was issued February 24, 2009.

3. Axe Library Masonry Restoration – The project is complete. Final payment was issued December 16, 2008.

4. Russ Hall Facade Restoration – The project is complete. Final payment was issued on January 8, 2009.

5. Steamline Replacement – The project is complete. Final payment was issued October 6, 2009.

6. Porter Hall Renovation – The project was divided into two phases. Phase I is complete. Final payment was issued January 25, 2010. Phase II includes all interior work, including new HVAC system, electrical service upgrades, and new lights in studios. Phase II bid on January 28, 2010. Construction began in May 2010, with completion expected by Fall 2010. Currently, the new electrical switchgear has been installed, and piping for the new HVAC system is in progress.

7. Yates Hall Renovation – This project was split into three separate projects. The new windows project bid April 2, 2010, and the HVAC project bid April 18, 2010. The roofing project was moved, to be funded from the R&R allocation. All three projects will be completed during the summer of 2010. The new windows and HVAC system began construction in May 2010 and are in progress. These projects were originally scheduled to begin in FY 2011, but were moved to FY 2010.

8. Grubbs Hall Renovation – This project will provide for the repair of the first floor slab settlement, replace windows, replace louvered corridor interior doors, provide a new HVAC control system, and replace the main electrical switchgear. Bids were received April 8, 2010. Construction began May 2010, and is scheduled to be completed in August 2010. Currently, the new slab is in place, and the new interior doors are being hung. The new electrical switchgear is set. This project was originally scheduled to begin in FY 2011, but has been moved to FY 2010.

9. Heckert-Wells Hall – This project will provide for the repair and replacement of HVAC equipment, new domestic water piping, and gas valve replacement in the labs. This project was originally scheduled to begin in FY 2010, but has been moved to FY 2011.

10. Weede Facility – This project will provide foundation and settlement repairs, new roof, new exterior metal wall panels, and partial new HVAC system. This project was originally scheduled to begin in FY 2010, but has been moved to FY 2012.

The University of Kansas

1. Utility Tunnel Improvements - Phase 2 Tunnel construction – The project was awarded to Kissick Construction. The University received a tax credit donation towards the tunnel improvements. The project is complete.

2. Wescoe Hall Improvements:

   a. Phase One is the replacement of the failed first-floor concrete slab and reconstruction of that area. Included in Phase One is deferred maintenance work, which includes the replacement of the HVAC system on the first floor. Construction started January 15, 2008, and completed in August 2008.
   b. Phase Two is the replacement of outdated and failing HVAC equipment and ductwork on the 2nd and 3rd floors. The construction management firm of Ferrell Construction of Topeka was selected, and sub-contract bids were taken for all phases of work. Phase Two construction began on the 3rd floor in June 2008, and was completed in December 2008. Construction work began on the 2nd floor in January 2009, and was completed on May 29, 2009. The fire sprinkler and fire alarm replacement work on the 4th floor classrooms, offices, and lecture halls started May 18, 2009, and completed July 31, 2009. The project is complete.

3. Haworth Hall Improvements - Purchase and design of the fume hoods is complete. Installation of the fume hoods started March 2008, and has been completed. The ESCO investment grade audit was completed on January 12, 2009. The proposed ESCO work has been thoroughly reviewed for necessary adjustments of the scope for the HVAC project, to better coordinate energy efficiency improvements with the deferred maintenance replacement of HVAC systems. The University finalized the contracts with Energy Solutions

Professionals (ESP) to include this work within the energy performance contract. ESP has submitted shop drawings and ordered materials. Construction is underway, with most air handling units having been replaced. Work is starting on the ganged lab exhaust system, which will replace many dedicated exhaust fans with a central system.

4. Energy Conservation Improvements – Energy Solutions Professionals (ESP), the selected consultant, completed an investment grade audit of Haworth Hall, Malott Hall, other buildings identified in the Five-Year Deferred Maintenance Program, and of other campus facilities. ESP completed mechanical systems test and balance data gathering in Malott in late November 2008. Additionally, ESP completed data logging of laboratory space occupancies for use in its final audit reporting. The initial investment grade audit for FYs 2008 and 2009 deferred maintenance projects was completed on January 12, 2009, and the University has completed its review of the audit. The University finalized the contracts with ESP to include this work within the energy performance contract. ESP has submitted shop drawings and ordered materials. Construction is underway with lighting and plumbing fixture replacements in various buildings.

5. Malott Hall Improvements – Purchase and design of the fume hoods is complete. Installations of the fume hoods started in September 2008, and all hoods have been installed. The ESCO investment grade audit was completed on January 12, 2009. The proposed ESCO work has been thoroughly reviewed for necessary adjustments of the scope for the HVAC project, to better coordinate energy efficiency improvements with the deferred maintenance replacement of HVAC systems. The University finalized the contracts with Energy Solutions Professionals (ESP) to include this work within the energy performance contract. ESP has submitted shop drawings and ordered materials. Construction is underway with most air handling units having been replaced. Work is starting on the ganged lab exhaust system, which will replace many dedicated exhaust fans with a central system.

6. Murphy Hall Electrical Improvements – Advertisements for design services were released, and Professional Engineering Consultants was selected to design the project. The scope of work will be coordinated with the FY 2010 Federal Stimulus funded HVAC improvements. Design started in February 2010, bids will be taken in August 2010, and construction should begin in late September 2010. Construction is scheduled to complete by August 2011.

7. Lippincott Hall Improvements – 2011 funds. The project includes HVAC, electrical, elevator and life safety improvements. The A/C equipment will be replaced by a chilled water central system, and the building electrical system will be updated. The plumbing system will be replaced.

8. Bailey Hall Improvements – 2011 funds. The project includes HVAC/mechanical, electrical and plumbing improvements. The A/C equipment will be replaced by a chilled water central system, and the building electrical system will be updated. The plumbing system will be replaced.

9. Lindley Hall Improvements – 2011 funds. The project includes HVAC/mechanical and foundation improvements. The A/C equipment will be replaced, and the north foundation wall will be repaired and waterproofed. Design for the foundation repairs is currently underway.

The University of Kansas Medical Center

1. Electrical Infrastructure, Wichita campus – The project is complete. Final payment was issued in June 2010.

2. Emergency Repairs to Building 37 Vivarium – The project is complete.

3. Applegate Energy Center & Utility Distribution Systems - This project will replace and renovate major utility equipment and systems in phases over a five-year period, in accordance with annual funding allocations. The scope of work outlined in the Black & Veatch infrastructure study will include replacement of emergency generators, motor control centers and electrical distribution; replacement of chillers and associated equipment; boiler modifications and replacement; domestic and fire water distribution; and other associated systems and controls. Turner Construction is executing the FY 2010 projects, which include replacing and renovating the water pumping system, demolition of the old emergency generators, and renovation of the emergency and normal electrical distribution systems. Accomplishments this quarter include: 1) Turner Construction completed removal of the old generators; 2) the new fire pump room and pump installation was completed and separated from the domestic water service; and 3) the replacement of electrical switchgear serving chiller number one was completed. Project closeout documents are in process for the FY 2010 projects.

Wichita State University

Wichita State University has now completed deferred maintenance projects involving campus infrastructure, and many items that needed to be addressed in the Visual Communications Building, Wallace Hall, Ahlberg Hall, McKnight Art Center, Central Energy Plant, Lindquist Hall, Jardine Hall, Heskett Center and the National Institute for Aviation Research. Three (3) major projects remain to be completed that involve the replacement of the HVAC systems in Duerksen Fine Arts Center, the Engineering Building, and Grace Wilkie Hall. The status of these major projects is as follows:

1. Duerksen Fine Arts Center – The engineering consultants have completed the preparation of construction documents for replacement of the building's HVAC systems. The project will be implemented in three separate phases as sufficient funds accrue for each phase, and as the building occupants can be temporarily relocated to other facilities. Federal Stimulus dollars from the American Recovery and Reinvestment Act / State Fiscal Stabilization Funds for FY 2009 and FY 2010 are being used to implement Phase I. Federal Stimulus dollars for FY2011 will be used to implement Phase 2. It is estimated that Phase I will be completed in May 2011, and Phase II construction will begin in the Fall 2010. Replacement of the building's store-front and entrances is complete, upgrades to the building's electrical services, and demolition of obsolete boilers and the associated asbestos abatement have all been completed.

2. Engineering Building – Engineering consultants completed the preparation of construction documents for replacement of the building's HVAC system, and bids were received on October 15, 2009. A construction contract was awarded on October 28, 2009, and the project is targeted for completion in August 2010.

3. Grace Wilkie Hall – Engineering consultants selected to do engineering, plans, specifications, and construction administration for replacement of the building's HVAC system are nearing completion of construction documents. Bidding the project will be postponed until funds accrue to a sufficient amount to be able to award a construction contract and alternative space can be freed up to which some of the building occupants can be relocated.

4. Visual Communications Building – The project for upgrade of the building's electrical services is complete.

5. Wallace Hall – The project for upgrade of the building's electrical service is complete. The project for modernization of the elevator is complete.

6. Ahlberg Hall – The project for upgrade to the building's electrical service is complete. The project for modernization of the elevator is complete.

7. McKnight Art Center – The project for upgrading building controls is complete. The project for modernization of the elevator is complete.

8. Central Energy Plant – The motor control center replacement project is complete.

9. Lindquist Hall – The project for modernization of the elevator is complete.

10. Jardine Hall – The project for modernization of the elevator is complete.

11. Campus Infrastructure –The project for water line improvements and expanded fire hydrant coverage is complete. The project for waterproofing a portion of a utility tunnel is complete.

12. Heskett Center – The project for building controls is complete.

13. National Institute for Aviation Research (NIAR) –The project for building controls is complete.

II. PEI Infrastructure Bonds

In addition to direct state funds and university interest earnings, another important funding component of the State Educational Institution Long-Term Infrastructure Maintenance Program (IMP) is the subsidized loan program made possible through the issuance of Post-Educational Institution (PEI) Infrastructure Maintenance Program Bonds.

As you will recall, the 2007 Legislature authorized $100 million in bonds, $20.0 million to be issued each fiscal year, beginning in FY 2008, to be requested by the Board of Regents from the Kansas Development Finance Authority (KDFA) for deferred maintenance projects at Washburn University, the 19 community colleges, and the five technical colleges. The principal and interest for the bonds will be paid from the State General Fund, and the participating institutions will reimburse the State General Fund for the principal portion of the payments each year. Each series of bonds will be issued with an 8-year amortization period. There is a cap of $15.0 million of bond proceeds per institution over the five-year period of the program. Debt service payments on the bonds were authorized to begin after July 1, 2008, and the first debt service payment on the initial series of bonds issued for the program was paid on March 1, 2009.

The Board is authorized to enter into loan agreements with the eligible institutions to provide for payment of principal on the bonds. When approving applications for financing under the program, the Board must take into consideration both the need for the project and the financial ability of the institution to meet its obligation if the application is approved. The capacity to repay the bonds is also required to be further reviewed by KDFA. The Board is mandated to provide an annual report to the Legislature disclosing the aggregate amount of bonds issued, the amount of bonds issued for each postsecondary educational institution (PEI), and an overview of the projects financed by such bonds.

Projects eligible for financing are defined in the legislation: "Project" or "infrastructure project" means the maintenance, repair, reconstruction, remodeling or rehabilitation of a building located at a postsecondary educational institution, any additions to a building, any utility system and other infrastructure relating to such building, any life-safety upgrades to such building, any improvements necessary to be made to such building in order to comply with the requirements of the Americans with Disabilities Act or other federal or state law. The law excludes from the definition of an eligible project all new construction; the maintenance, repair, reconstruction or rehabilitation of any building used as an athletic facility that does not directly support the delivery of academic pursuits; and the maintenance, repair, reconstruction or rehabilitation of the residence of the president or chief executive officer of a postsecondary educational institution.

The Series 2008A Bonds

As previously reported to you, the first PEI Infrastructure Maintenance bonds were issued by the Kansas Development Finance Authority (KDFA) in the principal amount of $20,000,000 on March 26, 2008, and bond proceeds were deposited in the State Treasury. Bond covenants mandate expenditures equal to at least 30% of bond proceeds at March 15, 2009, and equal to at least 95% by March 15, 2011.

The 13 participating institutions are required to pay loan payments to the Board on or before December 1 of each year, so that the principal payments on the bonds will be deposited in the State Treasury prior to the subsequent year's March 1 principal payment date. The first principal payment of $2.5 million on the 2008A Bonds was paid on March 1, 2009, using the loan payments received from the participants, as mandated. The $2.5 million of principal paid on March 1, 2010, was also collected from the participants.

The following table lists the names of 13 participating institutions, the number of projects authorized by the Board and KDFA for each participant, the total amounts of loans from bond proceeds that were authorized for each institution, and the total amount of bond proceeds spent by and loaned to each institution at June 30, 2010. These expenditures of $17,806,006.49 represent 89% of total 2008A Bond proceeds.

2008A Bond Proceeds - Distribution and Expenditures through June 30, 2010

Name of Participating Institution	# of Authorized Projects	Total Authorized Loan Amount	Total Expended at June 30, 2010
Barton County Community College	1	$1,300,000.00	$ 1,300,000.00
Butler County Community College	9	2,222,707.00	2,092,386.63
Coffeyville Community College	4	899,460.00	891,749.78
Dodge City Community College	2	850,000.00	839,814.35
Highland Community College	4	970,000.00	585,823.28
Hutchinson Community College	2	3,979,270.00	3,979,270.00
Kansas City Kansas Community College	3	2,525,000.00	2,349,369.96
Labette County Community College	3	1,213,900.00	1,207,935.14
Manhattan Area Technical College	3	412,500.00	298,786.67
Northwest Kansas Technical College	4	338,280.00	338,280.00
Pratt Community College	5	623,883.00	189,172.00
Seward County Community College	6	1,260,000.00	1,089,793.56
Washburn University	2	3,405,000.00	2,643,625.12
TOTALS	48	$20,000,000.00	$17,806,006.49

The Series 2009C Bonds

With regard to the second year of the program (FY 2009), applications from 12 of the 25 eligible institutions were approved by the Board on February 12, 2009. The Series 2009C Bonds, in the amount of $20 million, were issued by KDFA on March 31, 2009. Bond covenants mandate expenditures equal to at least 30% of bond proceeds at March 15, 2010, and equal to at least 95% by March 15, 2012. The following table lists the twelve participating institutions, the number of authorized projects and loan amounts for each institution, and the amount of bond proceeds disbursed to each participant by June 30, 2010. At that date, $11,598,357.04, or 58% of the Series 2009C bond proceeds had been disbursed.

2009C Bond Proceeds - Distribution and Expenditures through June 30, 2010

Name of Participating Institution	# of Authorized Projects	Total Authorized Loan Amount	Total Expended at June 30, 2010
Butler County Community College	16	$ 1,451,923.00	$ 945,871.18
Cloud County Community College	6	981,104.00	697,180.26
Dodge City Community College	6	276,841.00	241,398.91
Garden City Community College	1	2,216,645.00	1,104,862.62
Highland Community College	5	241,100.00	121,677.22
Hutchinson Community College	2	4,178,520.00	3,363,611.41
Independence Community College	1	1,500,000.00	1,452,382.64
Johnson County Community College	3	5,293,382.00	2,151,924.10
Kansas City Kansas Community College	3	2,058,224.00	1,259,316.42
Northwest Kansas Technical College	5	98,261.00	80,615.27
Pratt Community College	4	460,000.00	-0-
Seward County Community College	8	1,244,000.00	179,517.01
TOTALS	60	$ 20,000,000.00	$11,598,357.04

The first payment of principal on the 2009C Bonds was paid on March 1, 2010. The $2.5 million of principal due on the 2009C Bonds on March 1, 2010, was collected from the participants.

The interest payment portion of the FY 2009 debt service payment for the Series 2008A Bonds was $680,468.75, paid from the State General Fund (SGF). In FY 2010, the SGF's interest payment portion of the debt service payments for both the 2008A bonds and the 2009C bonds was $1,318,135.07.

The Legislature did not authorize the issuance of bonds in fiscal year 2010 for the originally planned third year of the program.

III. The Tax Credits Program

In addition to combined direct state funds and university interest earnings and the subsidized loan program made possible with the issuance of the PEI bonds, the final funding component of the State Educational Institution Long-Term Infrastructure Maintenance Program (IMP) is the Tax Credits Program.

In 2007, tax credit provisions authorized by the Legislature established a new tax credit based on a percentage of a taxpayer's contribution made on or after July 1, 2008, to a community college for capital improvements (60% of the contribution), to a technical college for deferred maintenance or purchases of technology or equipment (60% of the contribution), or to a university for deferred maintenance (50% of the contribution). The credit, effective for tax years 2008 through 2012, is applicable to corporate and individual income tax, insurance premiums tax, and financial institutions privilege tax. The credits are scheduled to sunset after tax year 2012. The credit on a contribution to a community or technical college is refundable, if it is in excess of income tax liability. The university credits are non-refundable, but can be carried forward for up to three years. All credits originally claimed by not-for-profit entities are transferable to other taxpayers. The Kansas Department of Revenue (KDOR) has developed and implemented for all institutions a tax credits process designed to assure that qualifying contributions qualify for Federal as well as State income tax deductions.

As part of the fiscal year 2010 State budget approved by the Kansas Legislature on May 9, 2009, these tax credits were reduced by 10% in both the 2009 and the 2010 tax years. For a taxpayer donating $1,000 to an eligible community college, prior to the cuts, that taxpayer would have received a 60% credit of $600. Now, the taxpayer will receive 90% of the 60% credit, or $540. The contribution of $1,000 generates 10% less tax credit to the taxpayer. This reduced credit is reflected only on the taxpayer's income tax return. It should be noted that the reduction was not extended to calendar year 2011 during the 2010 legislative session.

The table below shows the 2007 projected amounts of contributions for each sector of postsecondary education by fiscal year, assuming contributions were received to fully use the available tax credits. Also shown are the previously projected, related impacts on the State General Fund.

Note: All amounts are expressed in millions of dollars

Fiscal Year	Total Projected Contributions	Projected Contributions to State Universities and to Washburn University	Impact to the State General Fund from Projected Contributions to State Universities and Washburn	Projected Contributions to Community & Technical Colleges	Impact to the State General Fund from Projected Contributions to Community & Technical Colleges
2009	$ 14.375	$ 11.250	$ (7.500)	$ 3.125	$ (5.625)
2010	27.750	22.500	(15.000)	6.250	(11.250)
2011	38.333	30.000	(20.000)	8.333	(15.000)
2012	38.333	30.000	(20.000)	8.333	(15.000)
2013	38.333	30.000	(20.000)	8.333	(15.000)
Totals	$158.125	$123.750	$(82.500)	$34.375	$(61.875)

The allotment of the tax credits in the legislation is handled differently for Washburn and the state universities than for the community and technical colleges. The legislation specifies that for tax year 2008, each community and technical college is allotted $78,125 in tax credits. For tax year 2009, this amount increased to $156,250, and for each of tax years 2010 through 2012, further increases to $208,233. Assuming that all tax credits are used, each of the 24 institutions will generate private contributions for projects of $130,308 in tax year 2008, $260,416 in tax year 2009, and $347,208 for each of tax years 2010 through 2012.

For the state universities and Washburn University, a total of $5,625,000 in tax credits was divided among the seven institutions for tax year 2008. This total amount increased to $11,250,000 for tax year 2009, and further increases to $15,000,000 for each of tax years 2010 through 2012. The legislation stipulates that the Board of Regents, in consultation with the Secretary of Revenue and university foundation or endowment associations for each institution, will make the allotment of tax credits in advance of any credit issuance each year, with not more than 40% of the total credits being allotted to any one institution, unless all institutions are in agreement to waive that cap.

As previously reported to you, to prepare for the effective date of the program, the Department of Revenue has implemented regulations, and the universities have agreed to focus tax credit efforts on projects identified in the $200 million list approved in February 2007.

The Board of Regents approved the tax credit allocations listed in the following table for calendar years 2008 and 2009:

University Name	2008 Allocation Amount	2009 Allocation Amount	2010 Allocation Amount
University of Kansas	$1,540,566	$ 3,081,133	$4,108,177
University of Kansas – Medical Center	588,471	1,176,941	1,569,255
Kansas State University	1,624,381	3,248,761	4,331,681
Wichita State University	553,879	1,107,758	1,477,011
Emporia State University	324,481	648,961	865,281
Pittsburg State University	370,910	741,820	989,093
Fort Hays State University	371,220	742,441	989,922
Washburn University	251,092	502,185	669,580
TOTALS	**$5,625,000**	**$11,250,000**	**$15,000,000**

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The table below summarizes the actual, total contributions and corresponding tax credits issued for calendar years 2008 and 2009, as reported to KBOR by the universities and confirmed with the Kansas Department of Revenue's reports to KBOR as of January 19, 2010:

University Name	Calendar Year 2008		Calendar Year 2009	
	Total Donations Received	Total Tax Credits Issued	Total Donations Received	Total Tax Credits Issued
University of Kansas	$ 55,550	$ 27,775	$153,700	$ 76,850
University of Kansas – Medical Center	15,400	7,700	25,895	12,948
Kansas State University	2,000	1,000	3,000	1,500
Wichita State University	85,000	42,500	70,000	35,000
Emporia State University	-0-	-0-	-0-	-0-
Pittsburg State University	15,000	7,500	18,598	9,299
Fort Hays State University	689,270	344,635	136,017	68,009
Washburn University	-0-	-0-	-0-	-0-
TOTALS	$ 862,220	$ 431,110	$ 407,210	$ 203,606

Obviously, the actual donations and allocated tax credits were substantially less than anticipated for both calendar year 2008 (about $4.7 million less) and calendar year 2009 (about $10.8 million less).

According to reports from the Kansas Department of Revenue, for the calendar year ended December 31, 2009, the technical colleges received $89,900 in total contributions and awarded $53,940 in tax credits. The State's community colleges reported receiving contributions totaling $1,510,766, resulting in the award of $906,459 of tax credits in the 2009 calendar year.

Thank you for your attention. I would be pleased to respond to questions at this time.

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Kansas Board of Regents
State University Deferred Maintenance 5-Year Plan
Report for the Quarter Ended
June 30, 2010

5-YEAR BUDGET PLAN - FISCAL YEARS 2008 THROUGH 2012

The University of Kansas	ORIGINAL PROJECT BUDGETS			REVISED PROJECT BUDGETS				5-YEAR ANNUAL BUDGETED ALLOCATION AMOUNTS BY FISCAL YEAR AND CATEGORY												5-YEAR REVISED PROJECT TOTALS			
								FY 2008		FY 2009			FY 2010			FY 2011			FY 2012						
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	IMP	UI	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	4-YEAR TAX CREDITS TOTALS	GRAND TOTALS
Estimated, Approved Budget Amounts	$25,803,000	$10,769,000	$ 36,572,000	$25,430,290	$10,223,345	$ -	$ 35,653,635	$ 8,601,000	$2,626,306	$ 5,734,000	$1,747,039		$ 3,927,790	$1,950,000		$ 4,300,500	$1,950,000		$ 2,867,000	$1,950,000		$25,430,290	$10,223,345	$ -	$ 35,653,635
Project Description and Estimated Cost																									
Utility Tunnel Improvements	$ 8,800,000	$ -	$ 8,800,000	$10,369,000	$ 2,811,000		$ 13,180,000	$ 6,000,000	$1,326,000	$ 1,200,000	$1,485,000		$ 1,600,000									$ 8,800,000	2,811,000	$ -	$ 11,611,000
Wescoe Hall	3,560,000	1,300,306	4,860,306	3,560,000	1,300,306		4,860,306	1,951,000	1,300,306	1,599,000												3,560,000	1,300,306	-	4,860,306
Haworth Hall	2,600,000		2,600,000	1,600,000	1,000,000		2,600,000	640,000		1,960,000	262,039			1,000,000								2,600,000	1,262,039	-	3,862,039
Malott Hall Improvements	1,239,000	1,391,000	2,630,000	2,367,961	262,039		2,630,000			975,000	-		1,961,961									2,936,961	-	-	2,936,961
Murphy Hall	2,637,000	1,823,000	4,460,000	2,587,000	1,823,000		4,410,000						385,829	950,000		2,221,171	873,000					2,587,000	1,823,000	-	4,410,000
Spencer Art Museum	-	970,000	970,000	908,000	62,000		970,000							-			62,000		908,000			908,000	62,000	-	970,000
Lippincott Hall	895,000	300,000	1,195,000	1,045,000	107,000		1,152,000						-	-		1,045,000	107,000					1,045,000	107,000	-	1,152,000
Bailey Hall	1,617,000	208,000	1,825,000	509,000	977,000		1,486,000						-	-		509,000	908,000			69,000		509,000	977,000	-	1,486,000
Strong Hall	-	2,013,000	2,013,000	1,063,000	1,677,000		2,740,000										-		1,063,000	1,677,000		1,063,000	1,677,000	-	2,740,000
Art and Design	896,000	204,000	1,100,000	896,000	204,000		1,100,000										-		896,000	204,000		896,000	204,000	-	1,100,000
Lindley Hall	2,080,000		2,080,000	525,329			525,329									525,329			-			525,329	-	-	525,329
Watson Library	530,000	1,105,000	1,635,000	-	-		0									-	-					-	-	-	-
Learned Hall	949,000	1,405,000	2,354,000	-	-		0												-	-		-	-	-	-
TOTALS	$25,803,000	$10,769,000	$ 36,572,000	$25,430,290	$10,223,345	$ -	$ 35,653,635	$ 8,601,000	$2,626,306	$ 5,734,000	$1,747,039		$ 3,927,790	$1,950,000		$ 4,300,500	$1,950,000		$ 2,867,000	$1,950,000		$25,430,290	$10,223,345	$ -	$ 35,653,635

5-YEAR BUDGET PLAN - FISCAL YEARS 2008 THROUGH 2012

The University of Kansas Medical Center	ORIGINAL PROJECT BUDGETS			REVISED PROJECT BUDGETS				5-YEAR ANNUAL BUDGETED ALLOCATION AMOUNTS BY FISCAL YEAR AND CATEGORY												5-YEAR REVISED PROJECT TOTALS			
								FY 2008		FY 2009			FY 2010			FY 2011			FY 2012						
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	IMP	UI	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	4-YEAR TAX CREDITS TOTALS	GRAND TOTALS
Estimated, Approved Budget Amounts	$ 9,855,000	$ 2,000,000	$ 11,855,000	$ 9,712,650	$ 1,504,000		$ 11,216,650	$ 3,285,000	$ 400,000	$ 2,190,000	$ 276,000		$ 1,500,150	$ 276,000		$ 1,642,500	$ 276,000		$ 1,095,000	$ 276,000		$ 9,712,650	$ 1,504,000	$ -	$ 11,216,650
Project Description and Estimated Cost																									
Campus Exterior Maintenance		$ 100,000	$ 100,000		$ 100,000		$ 100,000		$ 100,000													$ -	$ 100,000	$ -	$ 100,000
Campus Infrastructure Improvements		45,000	45,000		45,000		45,000		45,000													-	45,000	-	45,000
Wahl Hall East Basement AHU Replacement		80,000	80,000		80,000		80,000		80,000													-	80,000	-	80,000
Mechanical Infrastructure - Wichita		24,500	24,500		24,500		24,500		24,500													-	24,500	-	24,500
Emergency Repairs to Building 37 Vivarium			-		350,000		350,000		124,000		226,000											-	350,000	-	350,000
Replace Building 90 Electrical Switchgear			-		50,000		50,000				50,000											-	50,000	-	50,000
Campus Roof Replacements			-		276,000		276,000							276,000								-	276,000	-	276,000
Campus Electrical Infrastructure			-		276,000		276,000										276,000					-	276,000	-	276,000
Campus Steam Infrastructure Replacements			-		276,000		276,000													276,000		-	276,000	-	276,000
Applegate Energy Center & Utility Distribution Systems:																									
1. Renovate & Upgrade Boiler	1,038,471		1,038,471	1,038,471	-		1,038,471	574,149								50,322			414,000			1,038,471	-	-	1,038,471
2. Replace Emergency Generator System	2,609,022	455,000	3,064,022	2,609,022	-		2,609,022	1,841,367	-	513,655	-			-		254,000						2,609,022	-	-	2,609,022
3. Replace & Renovate Chilled Water System	4,302,747	1,295,500	5,598,247	4,160,397	26,500		4,186,897	591,084	26,500	1,229,610	-		464,525	-		1,194,178	-		681,000	-		4,160,397	26,500	-	4,186,897
4. Renovate Electrical Distribution System	1,621,985		1,621,985	1,621,985	-		1,621,985	278,400		428,835			770,750			144,000						1,621,985	-	-	1,621,985
5. Replace & Renovate Water Pumping System	282,775		282,775	282,775	-		282,775			17,900			264,875									282,775	-	-	282,775
TOTALS	$ 9,855,000	$ 2,000,000	$ 11,855,000	$ 9,712,650	$ 1,504,000	$ -	$ 11,216,650	$ 3,285,000	$ 400,000	$ 2,190,000	$ 276,000		$ 1,500,150	$ 276,000		$ 1,642,500	$ 276,000		$ 1,095,000	$ 276,000		$ 9,712,650	$ 1,504,000	$ -	$ 11,216,650

5-YEAR BUDGET PLAN - FISCAL YEARS 2008 THROUGH 2012

Kansas State University	ORIGINAL PROJECT BUDGETS			REVISED PROJECT BUDGETS				5-YEAR ANNUAL BUDGETED ALLOCATION AMOUNTS BY FISCAL YEAR AND CATEGORY												5-YEAR REVISED PROJECT TOTALS			
								FY 2008		FY 2009			FY 2010			FY 2011			FY 2012						
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	IMP	UI	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	4-YEAR TAX CREDITS TOTALS	GRAND TOTALS
Estimated, Approved Budget Amounts	$27,198,000	$15,200,000	$ 42,398,000	$26,805,140	$10,400,000		$ 37,205,140	$ 9,066,000	$3,200,000	$ 6,044,000	$1,800,000		$ 4,140,140	$1,800,000		$ 4,533,000	$1,800,000		$ 3,022,000	$1,800,000		$26,805,140	$10,400,000	$ -	$ 37,205,140
Project Description and Estimated Cost																									
Utility Infrastructure and Power Plant Improvements	$14,378,000	$ 4,045,000	$ 18,423,000	$14,378,000	$ 3,265,500		$ 17,643,500	$ 2,970,000		$ 1,610,000			$ 2,500,000			$ 4,423,000	$1,800,000		$ 2,875,000	$1,465,500		$14,378,000	$ 3,265,500	$ -	$ 17,643,500
Renovate Academic & Academic Support Spaces in Old Memorial Stadium	2,600,000	7,400,000	10,000,000	2,600,000	3,239,500		5,839,500	800,000	1,439,500	2,000,000	1,800,000			-			-					2,600,000	3,239,500	-	5,839,500
Leasure Hall	2,863,000	737,000	3,600,000	2,470,140	877,000		3,347,140	216,000		614,000			1,640,140	877,000								2,470,140	877,000	-	3,347,140
Willard Hall ($10,000,000 total project. Balance to be p[illegible] University investment earnings spent in 2013)	5,357,000	1,257,500	6,614,500	5,357,000	1,257,500		6,614,500	5,100,000						923,000		110,000			147,000	334,500		5,357,000	1,257,500	-	6,614,500
	2,000,000		2,000,000	2,000,000			2,000,000	180,000		1,820,000												2,000,000	-	-	2,000,000
er Projects		1,760,500	1,760,500		1,760,500		1,760,500		1,760,500													-	1,760,500	-	1,760,500
TOTALS	$27,198,000	$15,200,000	$ 42,398,000	$26,805,140	$10,400,000	$ -	$ 37,205,140	$ 9,066,000	$3,200,000	$ 6,044,000	$1,800,000		$ 4,140,140	$1,800,000		$ 4,533,000	$1,800,000		$ 3,022,000	$1,800,000		$26,805,140	$10,400,000	$ -	$ 37,205,140

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Kansas Board of Regents
State University Deferred Maintenance 5-Year Plan
Report for the Quarter Ended
June 30, 2010

5-YEAR BUDGET PLAN - FISCAL YEARS 2008 THROUGH 2012

Wichita State University	ORIGINAL PROJECT BUDGETS			REVISED PROJECT BUDGETS				5-YEAR ANNUAL BUDGETED ALLOCATION AMOUNTS BY FISCAL YEAR AND CATEGORY												5-YEAR REVISED PROJECT TOTALS			
								FY 2008		FY 2009			FY 2010			FY 2011			FY 2012						
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	IMP	UI	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	4-YEAR TAX CREDITS TOTALS	GRAND TOTALS
Estimated, Approved Budget Amounts	$ 9,279,000	$ 6,422,766	$ 15,701,766	$ 9,144,970	$ 4,939,244	$ 85,000	$ 14,169,214	$ 3,093,000	$1,244,952	$ 2,062,000	$ 886,999	$85,000	$ 1,412,470	$ 910,948		$ 1,546,500	$ 935,544		$ 1,031,000	$ 960,801		$ 9,144,970	$ 4,939,244	$ 85,000	$ 14,169,214
Project Description and Estimated Cost																									
Duerksen Fine Arts Center	$ 3,106,000	$ 4,393,766	$ 7,499,766	$ 4,146,360	$ 3,978,443	$ 40,000	$ 8,164,803	$ 374,000	$1,244,952	$ 1,775,000	$ 886,999	$40,000	$ 914,470	$ 910,948		$ 952,500	$ 935,544					$ 4,015,970	$ 3,978,443	$ 40,000	$ 8,034,413
Henrion Hall	240,000	53,000	293,000	-	-		-						-						-	-		-	-	-	-
Engineering Building	214,000	-	214,000	756,000		45,000	801,000	145,000		113,000		45,000	498,000									756,000	-	45,000	801,000
Grace Wilkie Hall	334,000		334,000	1,969,000	960,801		2,929,801	170,000		174,000						594,000			1,031,000	960,801		1,969,000	960,801	-	2,929,801
Fiske Hall	294,000	42,000	336,000	-	-		-													-		-	-	-	-
Wilner Auditorium	498,000		498,000	-	-		-						-							-		-	-	-	-
Clinton Hall	504,000	240,000	744,000	-	-		-															-	-	-	-
Visual Communications Building	156,000	36,000	192,000	54,702	-		54,702	54,702														54,702	-	-	54,702
Hubbard Hall		622,000	622,000		-		-						-									-	-	-	-
Wallace Hall	562,000	100,000	662,000	148,120	-		148,120	148,120														148,120	-	-	148,120
Ahlberg Hall	348,000		348,000	163,954			163,954	163,954														163,954	-	-	163,954
McKnight Art Center	474,000	30,000	504,000	214,060	-		214,060	214,060														214,060	-	-	214,060
Geology Building	418,000	30,000	448,000	-	-		-															-	-	-	-
Ablah Library	161,000		161,000	-			-															-	-	-	-
Jabara Hall	42,000		42,000	-			-															-	-	-	-
Central Energy Plant	384,000	24,000	408,000	235,243	-		235,243	235,243														235,243	-	-	235,243
Lindquist Hall	252,000	42,000	294,000	190,347	-		190,347	190,347														190,347	-	-	190,347
Jardine Hall	36,000	24,000	60,000	59,436	-		59,436	59,436														59,436	-	-	59,436
Elliott Hall		114,000	114,000	-	-		-															-	-	-	-
Infrastructure	680,000		680,000	1,004,270			1,004,270	1,134,660														1,134,660	-	-	1,134,660
Brennan Hall 1		210,000	210,000		-		-													-		-	-	-	-
Blake Hall		120,000	120,000		-		-													-		-	-	-	-
Heskett Center	300,000		300,000	116,696			116,696	116,696														116,696	-	-	116,696
Metropolitan Complex		342,000	342,000		-		-													-		-	-	-	-
Police Building	36,000		36,000	-			-															-	-	-	-
National Institute for Aviation Research	240,000		240,000	86,780			86,780	86,780														86,780	-	-	86,780
TOTALS	$ 9,279,000	$ 6,422,766	$ 15,701,766	$ 9,144,970	$ 4,939,244	$ 85,000	$ 14,169,214	$ 3,093,000	$1,244,952	$ 2,062,000	$ 886,999	$85,000	$ 1,412,470	$ 910,948	$ -	$ 1,546,500	$ 935,544	$ -	$ 1,031,000	$ 960,801	$ -	$ 9,144,970	$ 4,939,244	$ 85,000	$ 14,169,214
						ERR	ERR								ERR			ERR						ERR	ERR

5-YEAR BUDGET PLAN - FISCAL YEARS 2008 THROUGH 2012

Emporia State University	ORIGINAL PROJECT BUDGETS			REVISED PROJECT BUDGETS				5-YEAR ANNUAL BUDGETED ALLOCATION AMOUNTS BY FISCAL YEAR AND CATEGORY												5-YEAR REVISED PROJECT TOTALS			
								FY 2008		FY 2009			FY 2010			FY 2011			FY 2012						
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	IMP	UI	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	4-YEAR TAX CREDITS TOTALS	GRAND TOTALS
Estimated, Approved Budget Amounts	$ 5,436,000	$ 2,430,000	$ 7,866,000	$ 5,357,480	$ 1,964,700		$ 7,322,180	$ 1,812,000	$ 459,700	$ 1,208,000	$ 395,000		$ 827,480	$ 370,000		$ 906,000	$ 370,000		$ 604,000	$ 370,000		$ 5,357,480	$ 1,964,700	$ -	$ 7,322,180
Project Description and Estimated Cost																									
Physical Education Building Roof Replacement	$ 351,000	$ 486,000	$ 837,000	$ 351,000	$ 459,700		$ 810,700	$ 351,000	$ 459,700													$ 351,000	$ 459,700	$ -	$ 810,700
P.E. Building HVAC Repairs / Replacement		363,000	363,000		270,000		270,000															-	270,000	-	270,000
P.E. Building Plumbing Repairs / Replacement		123,000	123,000		100,000		100,000															-	100,000	-	100,000
White Library HVAC Repairs / Replacement	1,438,000	300,000	1,738,000	1,438,000	209,000		1,647,000	230,000		1,208,000	209,000											1,438,000	209,000	-	1,647,000
White Library Electrical Repairs / Replacement	519,000	186,000	705,000	519,000	186,000		705,000	410,000			186,000		109,000									519,000	186,000	-	705,000
White Library Elevator Repairs / Replacement	50,000		50,000	50,000			50,000						50,000									50,000	-	-	50,000
White Library Partition Repairs / Replacement	200,000		200,000	200,000			200,000						200,000									200,000	-	-	200,000
Utility Tunnels Repairs / Replacement	936,000		936,000	936,000			936,000	339,000											597,000			936,000	-	-	936,000
Roosevelt Hall Foundation Stabilization / Repairs	819,000	100,000	919,000	740,480			740,480	272,000					468,480	-								740,480	-	-	740,480
Roosevelt Hall HVAC Repairs / Replacement	175,000	275,000	450,000	175,000	259,000		434,000	175,000						259,000								175,000	259,000	-	434,000
Roosevelt Hall Plumbing Repairs / Replacement	35,000	63,000	98,000	35,000	63,000		98,000	35,000						63,000								35,000	63,000	-	98,000
Cremer Hall Elevator Repairs / Replacement	36,000	24,000	60,000	36,000	24,000		60,000							24,000		36,000						36,000	24,000	-	60,000
King Hall Elevator Repairs / Replacement	36,000	24,000	60,000	36,000	24,000		60,000							24,000		36,000						36,000	24,000	-	60,000
Visser Hall HVAC Repair / Replacement	291,000	486,000	777,000	291,000	370,000		661,000									284,000	370,000		7,000			291,000	370,000	-	661,000
Stormont Maint.Building HVAC Repair / Replacement	300,000		300,000	300,000			300,000									300,000						300,000	-	-	300,000
Power House Roof Replacement	250,000		250,000	250,000			250,000									250,000						250,000	-	-	250,000
TOTALS	$ 5,436,000	$ 2,430,000	$ 7,866,000	$ 5,357,480	$ 1,964,700	$ -	$ 7,322,180	$ 1,812,000	$ 459,700	$ 1,208,000	$ 395,000	$ -	$ 827,480	$ 370,000	$ -	$ 906,000	$ 370,000	$ -	$ 604,000	$ 370,000	$ -	$ 5,357,480	$ 1,964,700	$ -	$ 7,322,180

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State University Deferred Maintenance 5-Year Plan
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5-YEAR BUDGET PLAN - FISCAL YEARS 2008 THROUGH 2012

Pittsburg State University

	ORIGINAL PROJECT BUDGETS			REVISED PROJECT BUDGETS				5-YEAR ANNUAL BUDGETED ALLOCATION AMOUNTS BY FISCAL YEAR AND CATEGORY													5-YEAR REVISED PROJECT TOTALS			
								FY 2008		FY 2009			FY 2010			FY 2011			FY 2012						
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	IMP	UI	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	4-YEAR TAX CREDITS TOTALS	GRAND TOTALS
Estimated, Approved Budget Amounts	$ 6,210,000	$ 3,842,000	$ 10,052,000	$ 6,120,300	$ 2,228,639	$ -	$ 8,348,939	$ 2,070,000	$ 728,639	$ 1,380,000	$ 375,000		$ 945,300	$ 375,000		$ 1,035,000	$ 375,000		$ 690,000	$ 375,000		$ 6,120,300	$ 2,228,639	$ -	$ 8,348,939
Project Description and Estimated Cost																									
McCray Hall	$ 2,300,000	$ -	$ 2,300,000	$ 2,093,357	$ 174,187		$ 2,267,544	$ 2,070,000	$ 200,000	$ 23,357												$ 2,093,357	$ 200,000	$ -	$ 2,293,357
Russ Hall	-	150,000	150,000		138,321		138,321		138,321													-	138,321	-	138,321
Axe Library	-	250,000	250,000		282,596		282,596		284,118													-	284,118	-	284,118
Heckert-Wells Hall and Weede Facility - Replace Electrical Switch Gear	-	150,000	150,000		103,910		103,910		106,200													-	106,200	-	106,200
Steam Line Replacement	-	200,000	200,000	125,000			125,000			125,000												125,000	-	-	125,000
Utility Distribution System Improvements	-	1,359,000	1,359,000		375,000		375,000				-									375,000		-	375,000	-	375,000
Porter Hall	2,185,000	115,000	2,300,000	2,176,943	779,625		2,956,568			1,231,643	375,000		945,300	375,000								2,176,943	750,000	-	2,926,943
Heckert - Wells Hall	630,000	418,000	1,048,000	630,000	-		630,000							-		630,000	-					630,000	-	-	630,000
Grubbs Hall	345,000	438,000	783,000	345,000	-		345,000												345,000	-		345,000	-	-	345,000
Yates Hall	345,000	387,000	732,000	345,000	125,000		470,000										125,000		345,000	-		345,000	125,000	-	470,000
Weede Facility	405,000	375,000	780,000	405,000	250,000		655,000							-		405,000	250,000					405,000	250,000	-	655,000
TOTALS	6,210,000	3,842,000	10,052,000	6,120,300	2,228,639		8,348,939	2,070,000	728,639	1,380,000	375,000		945,300	375,000		1,035,000	375,000		690,000	375,000		6,120,300	2,228,639		8,348,939

5-YEAR BUDGET PLAN - FISCAL YEARS 2008 THROUGH 2012

Fort Hays State University

	ORIGINAL PROJECT BUDGETS			REVISED PROJECT BUDGETS				5-YEAR ANNUAL BUDGETED ALLOCATION AMOUNTS BY FISCAL YEAR AND CATEGORY													5-YEAR REVISED PROJECT TOTALS			
								FY 2008		FY 2009			FY 2010			FY 2011			FY 2012						
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	IMP	UI	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	4-YEAR TAX CREDITS TOTALS	GRAND TOTALS
Estimated, Approved Budget Amounts	$ 6,219,000	$ 3,767,500	$ 9,986,500	$ 6,129,170	$ 3,470,025	$ 672,423	$ 10,271,618	$ 2,073,000	$ 826,225	$ 1,382,000	$ 738,500		$ 946,670	$ 635,100		$ 1,036,500	$ 635,100		$ 691,000	$ 635,100		$ 6,129,170	$ 3,470,025	$ -	$ 9,599,195
Project Description and Estimated Cost																									
Picken Hall Improvements ($3,845,000)	$ 3,455,000	$ 390,000	$ 3,845,000	$ 2,782,577	$ 390,000	$ 672,423	$ 3,845,000	$ 2,073,000		$ 1,382,000	$ 390,000											$ 3,455,000	$ 390,000	$ -	$ 3,845,000
Campus Electrical Improvements ($3,698,000)	2,073,000	1,623,000	3,696,000	2,655,593	1,325,525		3,981,118						946,670	690,425		1,036,500	635,100					1,983,170	1,325,525	-	3,308,695
Akers Energy Center - Boiler Replacements ($1,123,500)	691,000	432,500	1,123,500	691,000	432,500		1,123,500												691,000	432,500		691,000	432,500	-	1,123,500
Street Improvements ($661,000)	-	661,000	661,000		661,000		661,000				223,000						117,000			321,000		-	661,000	-	661,000
Utility Tunnel Replacement-Center of Quadrangle to Rarit	-	336,000	336,000		336,000		336,000		336,000													-	336,000	-	336,000
Sheridan Hall Roof Repairs ($70,000)	-	70,000	70,000		70,000		70,000		70,000													-	70,000	-	70,000
Service Buildings Masonry Cleaning and Sealing ($60,000	-	60,000	60,000		60,000		60,000		60,000													-	60,000	-	60,000
Repaint Cunningham Hall Gyms 100, 101, 102 and 121 (	-	35,000	35,000		35,000		35,000		35,000													-	35,000	-	35,000
Felten-Start Theatre Sealing Replacement ($100,000)	-	100,000	100,000		100,000		100,000		100,000													-	100,000	-	100,000
Campus Exterior Graphics - Phase II ($60,000)	-	60,000	60,000		60,000		60,000		60,000													-	60,000	-	60,000
TOTALS	$ 6,219,000	$ 3,767,500	$ 9,986,500	$ 6,129,170	$ 3,470,025	$ 672,423	$ 10,271,618	$ 2,073,000	$ 661,000	$ 1,382,000	$ 613,000	$ -	$ 946,670	$ 690,425	$ -	$ 1,036,500	$ 752,100	$ -	$ 691,000	$ 753,500	$ -	$ 6,129,170	$ 3,470,025	$ -	$ 9,599,195

5-YEAR BUDGET PLAN - FISCAL YEARS 2008 THROUGH 2012

System Totals

	ORIGINAL PROJECT BUDGETS			REVISED PROJECT BUDGETS				5-YEAR ANNUAL BUDGETED ALLOCATION AMOUNTS BY FISCAL YEAR AND CATEGORY													5-YEAR REVISED PROJECT TOTALS			
								FY 2008		FY 2009			FY 2010			FY 2011			FY 2012						
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	IMP	UI	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	TAX CREDITS	IMP	UI	4-YEAR TAX CREDITS TOTALS	GRAND TOTALS
Estimated, Approved Budget Amounts	$90,000,000	$44,431,266	$134,431,266	$88,700,000	$34,729,953	$ 757,423	$124,187,376	$30,000,000	$9,320,597	$20,000,000	$6,093,038	$85,000	$13,700,000	$6,372,373	$ -	$15,000,000	$6,458,644	$ -	$10,000,000	$6,485,301	$ -	$88,700,000	$34,729,953	$ 85,000	$123,514,953
						ERR	ERR																		ERR

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The University of Kansas

FY 2008 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2008 Allocation Budget			Revised 2008 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES				Project Status at 6/30/08	
									CURRENT QUARTER NOT APPLICABLE					
										FY 2008 TOTALS				
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved		IMP	UI	TAX CREDITS	TOTAL	Projected Completion Date	To Date % of Project Completion
Utility Tunnel Improvements	$ 6,000,000		$ 6,000,000	$ 6,000,000	$ 1,326,000	n/a	$ 7,326,000	6/30/08		$ 964,120		n/a	$ 964,120	12/2009	8.30%
Wescoe Hall	1,961,000	1,350,000	3,311,000	1,961,000	1,300,306	n/a	3,261,306	6/25/09		566,144	$ 881,479	n/a	1,447,623	08/2009	29.78%
Haworth Hall	640,000		640,000	640,000		n/a	640,000	n/a		212,581		n/a	212,581	11/2009	5.50%
TOTALS	$ 8,601,000	$ 1,350,000	$ 9,951,000	$ 8,601,000	$ 2,626,306		$11,227,306			$ 1,742,845	$ 881,479		$ 2,624,324		7.36%

FY 2009 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2009 Allocation Budget			Revised 2009 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES				Project Status	
									CURRENT QUARTER NOT APPLICABLE					
										TOTAL PROJECT-TO-DATE				
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved		IMP	UI	TAX CREDITS	TOTAL	Projected Completion Date	To Date % of Project Completion
Utility Tunnel Improvements	$ 1,200,000		$ 1,200,000	$ 2,769,000	$ 1,485,000	-	$ 4,254,000	6/30/08		$ 8,765,500	$ 1,200,793	$ 12,751	$ 9,979,044	12/2009	85.94%
Wescoe Hall	1,599,000		1,599,000	1,599,000			1,599,000	n/a		3,258,805	1,295,192	-	4,553,997	07/2009	93.70%
Haworth Hall	1,960,000		1,960,000	960,000			960,000	n/a		441,759	-	-	441,759	01/2010	11.44%
Malott Hall	975,000	$ 1,391,000	2,366,000	406,000	262,039		668,039	n/a		259,189	-	-	259,189	11/2010	8.83%
TOTALS	$ 5,734,000	$ 1,391,000	$ 7,125,000	$ 5,734,000	$ 1,747,039	$ -	$ 7,481,039			$12,725,253	$ 2,495,985	$ 12,751	$15,233,989		42.73%

FY 2010 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2010 Allocation Budget			Revised 2010 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES								Project Status	
									CURRENT QUARTER					TOTAL PROJECT-TO-DATE				
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved	IMP	UI	TAX CREDITS	TOTAL		IMP	UI	TAX CREDITS	TOTAL	Projected Completion Date	To Date % of Project Completion
Utility Tunnel Improvements	$ 1,600,000		$ 1,600,000	$ 1,600,000			$ 1,600,000	n/a	$ 16,620		$ 3,152	$ 19,772		$ 9,007,261	$ 2,289,764	$ 55,997	$11,353,022	08/2010	97.78%
Wescoe Hall			-				-	n/a	25,504			25,504		3,307,887	1,295,192	-	4,603,079	07/2009	94.71%
Haworth Hall			-		1,000,000		1,000,000	n/a	796,146			796,146		1,425,027	76	-	1,425,103	05/2011	36.90%
Malott Hall	264,000		264,000	1,961,961			1,961,961	n/a	862,291			862,291		1,123,514	-	-	1,123,514	05/2011	38.25%
Murphy Hall	832,500	$ 1,364,000	2,196,500	365,829	950,000		1,315,829	n/a	14,885			14,885		14,885	-	-	14,885	08/2011	0.34%
Spencer Art Museum		970,000	970,000		-		-	n/a				-		-	-	-	-	02/2011	0.00%
Lippincott Hall	895,000	300,000	1,195,000	-	-		-	n/a				-		-	-	-	-	N/A	0.00%
Bailey Hall	709,000	42,000	751,000	-	-		-	n/a				-		-	-	-	-	N/A	0.00%
TOTALS	$ 4,300,500	$ 2,676,000	$ 6,976,500	$ 3,927,790	$ 1,950,000	$ -	$ 5,877,790		$ 1,715,446	$ -	$ 3,152	$ 1,718,598		$14,878,574	$ 3,585,032	$ 55,997	$18,519,603		51.94%

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FY 2011 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2011 Allocation Budget IMP	2011 Allocation Budget UI	2011 Allocation Budget TOTAL	Revised 2011 Allocation Budget IMP	Revised 2011 Allocation Budget UI	Revised 2011 Allocation Budget TAX CREDITS	Revised 2011 Allocation Budget TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES: CURRENT QUARTER IMP	CURRENT QUARTER UI	CURRENT QUARTER TAX CREDITS	CURRENT QUARTER TOTAL	TOTAL PROJECT-TO-DATE IMP	TOTAL PROJECT-TO-DATE UI	TOTAL PROJECT-TO-DATE TAX CREDITS	TOTAL PROJECT-TO-DATE TOTAL	Project Status: Projected Completion Date	Project Status: To Date % of Project Completion
Utility Tunnel Improvements			$ -				$ -					$ -	$ 9,007,261	$ 2,289,764	$ 55,997	$11,353,022		97.78%
Wescoe Hall			-				-					-	3,307,887	1,295,192	-	4,603,079		94.71%
Haworth Hall			-				-					-	1,425,027	76	-	1,425,103		36.90%
Malott Hall			-				-					-	1,123,514	-	-	1,123,514		38.25%
Murphy Hall	$ 1,804,500	$ 459,000	2,263,500	$ 2,221,171	$ 873,000		3,094,171	n/a				-	14,885	-	-	14,885		0.34%
Spencer Art Museum			-		62,000		62,000					-	-	-	-	-		0.00%
Lippincott Hall			-	1,045,000	107,000		1,152,000					-	-	-	-	-		0.00%
Bailey Hall	908,000	166,000	1,074,000	509,000	908,000		1,417,000	n/a				-	-	-	-	-		0.00%
Strong Hall		742,000	742,000		-		-	n/a				-	-	-	-	-		0.00%
Art and Design		204,000	204,000		-		-	n/a				-	-	-	-	-		0.00%
Lindley Hall	1,058,000		1,058,000	525,329			525,329	n/a				-	-	-	-	-		0.00%
Watson Library	530,000	1,105,000	1,635,000	-	-		-	n/a				-	-	-	-	-		N/A
TOTALS	$ 4,300,500	$ 2,676,000	$ 6,976,500	$ 4,300,500	$ 1,950,000	$ -	$ 6,250,500		$ -	$ -	$ -	$ -	$14,878,574	$ 3,585,032	$ 55,997	$18,519,603		51.94%

FY 2012 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2012 Allocation Budget IMP	2012 Allocation Budget UI	2012 Allocation Budget TOTAL	Revised 2012 Allocation Budget IMP	Revised 2012 Allocation Budget UI	Revised 2012 Allocation Budget TAX CREDITS	Revised 2012 Allocation Budget TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES: CURRENT QUARTER IMP	CURRENT QUARTER UI	CURRENT QUARTER TAX CREDITS	CURRENT QUARTER TOTAL	TOTAL PROJECT-TO-DATE IMP	TOTAL PROJECT-TO-DATE UI	TOTAL PROJECT-TO-DATE TAX CREDITS	TOTAL PROJECT-TO-DATE TOTAL	Project Status: Projected Completion Date	Project Status: To Date % of Project Completion
Utility Tunnel Improvements			$ -				$ -					$ -	$ 9,007,261	$ 2,289,764	$ 55,997	$11,353,022		97.78%
Wescoe Hall			-				-					-	3,307,887	1,295,192	-	4,603,079		94.71%
Haworth Hall			-				-					-	1,425,027	76	-	1,425,103		36.90%
Malott Hall			-				-					-	1,123,514	-	-	1,123,514		38.25%
Murphy Hall			-				-					-	14,885	-	-	14,885		0.34%
Spencer Art Museum			-	908,000			908,000					-	-	-	-	-		0.00%
Lippincott Hall			-				-					-	-	-	-	-		0.00%
Bailey Hall			-		69,000		69,000					-	-	-	-	-		0.00%
Strong Hall		$ 1,271,000	1,271,000	1,063,000	1,677,000		2,740,000	n/a				-	-	-	-	-		0.00%
Art and Design	$ 896,000		896,000	896,000	204,000		1,100,000	n/a				-	-	-	-	-		0.00%
Lindley Hall	1,022,000		1,022,000	-			-	n/a				-	-	-	-	-		0.00%
Watson Library			-				-					-	-	-	-	-		N/A
Learned Hall	949,000	1,405,000	2,354,000	-	-		-	n/a				-	-	-	-	-		0.00%
TOTALS	$ 2,867,000	$ 2,676,000	$ 5,543,000	$ 2,867,000	$ 1,950,000	$ -	$ 4,817,000		$ -	$ -	$ -	$ -	$14,878,574	$ 3,585,032	$ 55,997	$18,519,603		51.94%

FIVE-YEAR TOTALS TO DATE	$25,803,000	$10,769,000	$36,572,000	$25,430,290	$10,223,345	$ -	$35,653,635	>>>>>>>>>>>>>>>>Not Relevant<<<<<<<<<<<<<<<<	$14,878,574	$ 3,585,032	$ 55,997	$18,519,603	N/A	51.94%

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The University of Kansas Medical Center

FY 2008 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2008 Allocation Budget IMP	2008 Allocation Budget UI	2008 Allocation Budget TOTAL	Revised 2008 Allocation Budget IMP	Revised 2008 Allocation Budget UI	Revised 2008 Allocation Budget TAX CREDITS	Revised 2008 Allocation Budget TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES — CURRENT QUARTER NOT APPLICABLE	FY 2008 TOTALS IMP	FY 2008 TOTALS UI	FY 2008 TOTALS TAX CREDITS	FY 2008 TOTALS TOTAL	Project Status at 6/30/08 Projected Completion Date	Project Status at 6/30/08 To Date % of Project Completion
Campus Exterior Maintenance		$ 100,000	$ 100,000		$ 100,000	n/a	$ 100,000	n/a			$ 47,492	n/a	$ 47,492	09/2008	47.49%
Campus Infrastructure Improvements		45,000	45,000		45,000	n/a	45,000	n/a			14,019	n/a	14,019	09/2008	31.15%
Wahl Hall East Basement AHU Replacement		80,000	80,000		80,000	n/a	80,000	n/a			73,752	n/a	73,752	05/2008	92.19%
Mechanical Infrastructure - Wichita		24,500	24,500		24,500	n/a	24,500	n/a				n/a	-	12/2008	0.00%
Emergency Repairs to Building 37 Vivarium			-		124,000	n/a	124,000	6/25/09				n/a	-		0.00%
Replace Building 90 Electrical Switchgear			-			n/a	-	6/25/09				n/a	-		0.00%
Campus Roof Replacements			-			n/a	-	6/25/09				n/a	-		0.00%
Campus Electrical Infrastructure			-			n/a	-	6/25/09				n/a	-		0.00%
Campus Steam Infrastructure Replacements			-			n/a	-	6/25/09				n/a	-		0.00%
Applegate Energy Center and Utility Systems:															
1. Renovate & Upgrade Boiler	$ 574,149		574,149	574,149		n/a	574,149	n/a		$ 31,374		n/a	31,374	06/2012	3.02%
2. Replace Emergency Generator System	1,841,367	100,000	1,941,367	1,841,367		n/a	1,841,367	6/25/09		61,506	42,708	n/a	104,214	06/2011	3.99%
3. Replace & Renovate Chilled Water System	591,084	50,500	641,584	591,084	26,500	n/a	617,584	6/25/09		18,726		n/a	18,726	06/2012	0.45%
4. Renovate Electrical Distribution System	278,400		278,400	278,400		n/a	278,400	n/a		8,820		n/a	8,820	06/2012	0.54%
5. Replace & Renovate Water Pumping System			-			n/a	-	n/a				n/a	-	06/2010	0.00%
TOTALS	$ 3,285,000	$ 400,000	$ 3,685,000	$ 3,285,000	$ 400,000		$ 3,685,000			$ 120,426	$ 177,971		$ 298,397		2.66%

FY 2009 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2009 Allocation Budget IMP	2009 Allocation Budget UI	2009 Allocation Budget TOTAL	Revised 2009 Allocation Budget IMP	Revised 2009 Allocation Budget UI	Revised 2009 Allocation Budget TAX CREDITS	Revised 2009 Allocation Budget TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES — CURRENT QUARTER NOT APPLICABLE	TOTAL PROJECT-TO-DATE IMP	TOTAL PROJECT-TO-DATE UI	TOTAL PROJECT-TO-DATE TAX CREDITS	TOTAL PROJECT-TO-DATE TOTAL	Project Status Projected Completion Date	Project Status To Date % of Project Completion
Campus Exterior Maintenance			$ -				$ -			$ -	$ 91,391	$ -	$ 91,391	03/2009	91.39%
Campus Infrastructure Improvements			-				-			-	40,652	-	40,652	03/2009	90.34%
Wahl Hall East Basement AHU Replacement			-				-			-	73,752	-	73,752	05/2008	92.19%
Mechanical Infrastructure - Wichita			-				-				11,829		11,829	12/2009	48.28%
Emergency Repairs to Building 37 Vivarium			-		226,000		226,000	6/25/09			72,916		72,916		20.83%
Replace Building 90 Electrical Switchgear			-		50,000		50,000	6/25/09			-		-		0.00%
Campus Roof Replacements			-				-				-		-		0.00%
Campus Electrical Infrastructure			-				-				-		-		0.00%
Campus Steam Infrastructure Replacements			-				-			-	-	-	-		0.00%
Applegate Energy Center and Utility Systems:															
1. Renovate & Upgrade Boiler			-				-			116,816	-	-	116,816	06/2012	11.25%
2. Replace Emergency Generator System	$ 513,655	$ 180,000	693,655	513,655	-		513,655	6/25/09		1,184,045	42,708	-	1,226,753	06/2011	47.02%
3. Replace & Renovate Chilled Water System	1,229,610	220,000	1,449,610	1,229,610	-		1,229,610	6/25/09		493,488	6,365	-	499,853	06/2012	11.94%
[illegible]novate Electrical Distribution System	428,835		428,835	428,835			428,835	6/25/09		304,208	-	-	304,208	06/2010	18.76%
[illegible]lace & Renovate Water Pumping System	17,900		17,900	17,900			17,900	6/25/09		86,636	-	-	86,636	06/2010	30.64%
TOTALS	$ 2,190,000	$ 400,000	$ 2,590,000	$ 2,190,000	$ 276,000	$ -	$ 2,466,000			$ 2,185,193	$ 339,613	$ -	$ 2,524,806		22.51%

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FY 2010 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2010 Allocation Budget			Revised 2010 Allocation Budget				Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES								Project Status	
									CURRENT QUARTER				TOTAL PROJECT-TO-DATE				Projected Completion Date	To Date % of Project Completion
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL		IMP	UI	TAX CREDITS	TOTAL	IMP	UI	TAX CREDITS	TOTAL		
Campus Exterior Maintenance			$ -				$ -					$ -	$ -	$ 91,391	$ -	$ 91,391		91.39%
Campus Infrastructure Improvements			-				-					-	-	40,652	-	40,652		90.34%
Wahl Hall East Basement AHU Replacement			-				-					-	-	73,752	-	73,752		92.19%
Mechanical Infrastructure - Wichita			-				-					-	-	11,829	-	11,829		48.28%
Emergency Repairs to Building 37 Vivarium			-				-			58		58	-	361,915	-	361,915	7/31/09	103.40%
Replace Building 90 Electrical Switchgear			-				-			2		2	-	12,671	-	12,671	12/01/09	25.34%
Campus Roof Replacements			-		276,000		276,000					-	-	-	-	-		0.00%
Campus Electrical Infrastructure			-				-					-	-	-	-	-		0.00%
Campus Steam Infrastructure Replacements			-				-					-	-	-	-	-		0.00%
Applegate Energy Center and Utility Systems:																		
1. Renovate & Upgrade Boiler			-				-					-	136,106	-	-	136,106	9/30/10	13.11%
2. Replace Emergency Generator System		$ 175,000	175,000				-			45,519		45,519	2,104,674	88,120	-	2,192,794	9/30/10	84.05%
3. Replace & Renovate Chilled Water System	$ 606,875	225,000	831,875	464,525			464,525			295,870		295,870	2,176,337	14,718	-	2,191,055	9/30/10	52.33%
4. Renovate Electrical Distribution System	770,750		770,750	770,750			770,750			568,982		568,982	1,581,942	2,722	-	1,584,664	9/30/10	97.70%
5. Replace & Renovate Water Pumping System	264,875		264,875	264,875			264,875			227,592		227,592	691,997	2,575	-	694,672	9/30/10	245.63%
TOTALS	$ 1,642,500	$ 400,000	$ 2,042,500	$ 1,500,150	$ 276,000	$ -	$ 1,776,150		$ 1,137,963	$ 60	$ -	$ 1,138,023	$ 6,691,056	$ 700,345	$ -	$ 7,391,401		65.90%

FY 2011 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2011 Allocation Budget			Revised 2011 Allocation Budget				Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES								Project Status	
									CURRENT QUARTER				TOTAL PROJECT-TO-DATE				Projected Completion Date	To Date % of Project Completion
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL		IMP	UI	TAX CREDITS	TOTAL	IMP	UI	TAX CREDITS	TOTAL		
Campus Exterior Maintenance			$ -				$ -					$ -	$ -	$ 91,391	$ -	$ 91,391		91.39%
Campus Infrastructure Improvements			-				-					-	-	40,652	-	40,652		90.34%
Wahl Hall East Basement AHU Replacement			-				-					-	-	73,752	-	73,752		92.19%
Mechanical Infrastructure - Wichita			-				-					-	-	11,829	-	11,829		48.28%
Emergency Repairs to Building 37 Vivarium			-				-					-	-	361,915	-	361,915		103.40%
Replace Building 90 Electrical Switchgear			-				-					-	-	12,671	-	12,671		25.34%
Campus Roof Replacements			-				-					-	-	-	-	-		0.00%
Campus Electrical Infrastructure			-		276,000		276,000					-	-	-	-	-		0.00%
Campus Steam Infrastructure Replacements			-				-					-	-	-	-	-		0.00%
Applegate Energy Center and Utility Systems:																		
1. Renovate & Upgrade Boiler	$ 50,322		50,322	50,322			50,322					-	136,106	-	-	136,106		13.11%
2. Replace Emergency Generator System	254,000		254,000	254,000			254,000					-	2,104,674	88,120	-	2,192,794		84.05%
3. Replace & Renovate Chilled Water System	1,194,178	$ 400,000	1,594,178	1,194,178			1,194,178					-	2,176,337	14,718	-	2,191,055		52.33%
4. Renovate Electrical Distribution System	144,000		144,000	144,000			144,000					-	1,581,942	2,722	-	1,584,664		97.70%
5. Replace & Renovate Water Pumping System			-				-					-	691,997	2,575	-	694,672		245.63%
TOTALS	$ 1,642,500	$ 400,000	$ 2,042,500	$ 1,642,500	$ 276,000	$ -	$ 1,918,500		$ -	$ -	$ -	$ -	$ 6,691,056	$ 700,345	$ -	$ 7,391,401		65.90%

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FY 2012 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2012 Allocation Budget			Revised 2012 Allocation Budget				Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES								Project Status	
									CURRENT QUARTER				TOTAL PROJECT-TO-DATE				Projected Completion Date	To Date % of Project Completion
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL		IMP	UI	TAX CREDITS	TOTAL	IMP	UI	TAX CREDITS	TOTAL		
Campus Exterior Maintenance			$ -				$ -					$ -	$ -	$ 91,391	$ -	$ 91,391		91.39%
Campus Infrastructure Improvements			-				-					-	-	40,652	-	40,652		90.34%
Wahl Hall East Basement AHU Replacement			-				-					-	-	73,752	-	73,752		92.19%
Mechanical Infrastructure - Wichita			-				-					-	-	11,829	-	11,829		48.28%
Emergency Repairs to Building 37 Vivarium			-				-					-	-	361,915	-	361,915		103.40%
Replace Building 90 Electrical Switchgear			-				-					-	-	12,671	-	12,671		25.34%
Campus Roof Replacements			-				-					-	-	-	-	-		0.00%
Campus Electrical Infrastructure			-				-					-	-	-	-	-		0.00%
Campus Steam Infrastructure Replacements			-		276,000		276,000					-	-	-	-	-		0.00%
Applegate Energy Center and Utility Systems:																		
1. Renovate & Upgrade Boiler	$ 414,000		414,000	414,000			414,000					-	136,106	-	-	136,106		13.11%
2. Replace Emergency Generator System			-				-					-	2,104,674	88,120	-	2,192,794		84.05%
3. Replace & Renovate Chilled Water System	681,000	$ 400,000	1,081,000	681,000			681,000					-	2,176,337	14,718	-	2,191,055		52.33%
4. Renovate Electrical Distribution System			-				-					-	1,581,942	2,722	-	1,584,664		97.70%
5. Replace & Renovate Water Pumping System			-				-					-	691,997	2,575	-	694,572		245.63%
TOTALS	$ 1,095,000	$ 400,000	$ 1,495,000	$ 1,095,000	$ 276,000	$ -	$ 1,371,000		$ -	$ -	$ -	$ -	$ 6,691,056	$ 700,345	$ -	$ 7,391,401		65.90%
FIVE-YEAR TOTALS TO DATE	$ 9,855,000	$ 2,000,000	$11,855,000	$ 9,712,650	$ 1,504,000	$ -	$11,216,650		>>>>>>>>>>>>>>>>Not Relevant<<<<<<<<<<<<<<<<				$ 6,691,056	$ 700,345	$ -	$ 7,391,401	N/A	65.90%

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FY 2008 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

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Utility infrastructure & power plant improvements	$ 2,970,000		$ 2,970,000	$ 2,970,000		n/a	$ 2,970,000	n/a		$ 228,681		n/a	$ 228,681	12/2012	1.30%
Renovate academic & academic support spaces in old Memorial Stadium	600,000	$ 1,439,500	2,039,500	600,000	1,439,500	n/a	2,039,500	n/a		63,762	$ 551	n/a	64,313	11/2010	1.10%
Leasure Hall	216,000		216,000	216,000		n/a	216,000	n/a		32,031		n/a	32,031	12/2010	0.96%
Willard Hall	5,100,000		5,100,000	5,100,000		n/a	5,100,000	n/a		302,829		n/a	302,829	12/2012	4.58%
Seaton Court	180,000		180,000	180,000		n/a	180,000	n/a		63,033		n/a	63,033	12/2009	3.15%
Roofs and Other Projects		1,760,500	1,760,500	-	1,760,500	n/a	1,760,500	n/a			782,513	n/a	782,513	07/2008	44.45%
TOTALS	$ 9,066,000	$ 3,200,000	$12,266,000	$ 9,066,000	$ 3,200,000		$12,266,000			$ 690,336	$ 783,064		$ 1,473,400		3.96%

FY 2009 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2009 Allocation Budget IMP	UI	TOTAL	Revised 2009 Allocation Budget IMP	UI	TAX CREDITS	TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES — CURRENT QUARTER NOT APPLICABLE	TOTAL PROJECT-TO-DATE IMP	UI	TAX CREDITS	TOTAL	Project Status Projected Completion Date	To Date % of Project Completion
Utility infrastructure & power plant improvements	$ 1,610,000		$ 1,610,000	$ 1,610,000			$ 1,610,000	n/a		$ 3,988,133	$ 10,249	$ -	$ 3,998,382	12/2012	22.66%
Renovate academic & academic support spaces in old Memorial Stadium	2,000,000	$ 3,000,000	5,000,000	2,000,000	1,800,000		3,800,000	n/a		118,339	551	-	118,890	11/2010	2.04%
Leasure Hall	614,000		614,000	614,000			614,000	n/a		277,978	-	-	277,978	12/2010	8.30%
Willard Hall			-				-	n/a		2,510,349	-	-	2,510,349	12/2012	37.95%
Seaton Court	1,820,000		1,820,000	1,820,000			1,820,000	n/a		621,259	-	-	621,259	12/2009	31.06%
Roofs and Other Projects			-				-	n/a		-	1,334,327	-	1,334,327	12/2009	75.79%
TOTALS	$ 6,044,000	$ 3,000,000	$ 9,044,000	$ 6,044,000	$ 1,800,000	$ -	$ 7,844,000			$ 7,516,058	$ 1,345,127	$ -	$ 8,861,185		23.82%

FY 2010 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2010 Allocation Budget IMP	UI	TOTAL	Revised 2010 Allocation Budget IMP	UI	TAX CREDITS	TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES — CURRENT QUARTER IMP	UI	TAX CREDITS	TOTAL	TOTAL PROJECT-TO-DATE IMP	UI	TAX CREDITS	TOTAL	Project Status Projected Completion Date	To Date % of Project Completion
Utility infrastructure & power plant improvements	$ 2,500,000		$ 2,500,000	$ 2,500,000			$ 2,500,000		$ 440,254	$ 14,354		$ 454,608	$ 7,772,672	$ 1,163,734	$ -	$ 8,936,406	12/2012	50.65%
Renovate academic & academic support spaces in old Memorial Stadium		1,340,000	1,340,000				-		-	-		-	121,839	551	-	122,390	11/2010	2.10%
Leasure Hall	2,033,000	737,000	2,770,000	1,640,140	877,000		2,517,140		139,662	-		139,662	580,004	-	-	580,004	12/2010	17.33%
Willard Hall		923,000	923,000		923,000		923,000		390,756	12,776		403,532	4,271,408	12,776	-	4,284,184	12/2012	64.77%
Court			-				-		52,976	-		52,976	887,962	-	-	887,962	12/2009	44.40%
d Other Projects			-				-		-	2,904		2,904	-	1,376,382	-	1,376,382	12/2009	78.18%
TOTALS	$ 4,533,000	$ 3,000,000	$ 7,533,000	$ 4,140,140	$ 1,800,000	$ -	$ 5,940,140		$ 1,023,648	$ 30,034	$ -	$ 1,053,682	$13,633,885	$ 2,553,443	$ -	$16,187,328		43.51%

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FY 2011 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2011 Allocation Budget			Revised 2011 Allocation Budget				Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES							Project Status	
									CURRENT QUARTER				TOTAL PROJECT-TO-DATE			Projected Completion Date	To Date % of Project Completion
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL		IMP	UI	TAX CREDITS	TOTAL	IMP	UI	TAX CREDITS	TOTAL	
Utility infrastructure & power plant improvements	$ 4,423,000	$ 1,379,500	$ 5,802,500	$ 4,423,000	$ 1,800,000		$ 6,223,000					$ -	$ 7,772,672	$ 1,163,734	$ -	$ 8,936,406		50.65%
Renovate academic & academic support spaces in old Memorial Stadium		1,620,500	1,620,500				-					-	121,839	551	-	122,390		2.10%
Leasure Hall			-				-					-	580,004	-	-	580,004		17.33%
Willard Hall	110,000		110,000	110,000			110,000					-	4,271,408	12,776	-	4,284,184		64.77%
Seaton Court			-				-					-	887,962	-	-	887,962		44.40%
Roofs and Other Projects			-				-					-	-	1,376,382	-	1,376,382		78.18%
TOTALS	$ 4,533,000	$ 3,000,000	$ 7,533,000	$ 4,533,000	$ 1,800,000	$ -	$ 6,333,000		$ -	$ -	$ -	$ -	$13,633,885	$ 2,553,443	$ -	$16,187,328		43.51%

FY 2012 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2012 Allocation Budget			Revised 2012 Allocation Budget				Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES							Project Status	
									CURRENT QUARTER				TOTAL PROJECT-TO-DATE			Projected Completion Date	To Date % of Project Completion
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL		IMP	UI	TAX CREDITS	TOTAL	IMP	UI	TAX CREDITS	TOTAL	
Utility infrastructure & power plant improvements	$ 2,875,000	$ 2,665,500	$ 5,540,500	$ 2,875,000	$ 1,465,500		$ 4,340,500					$ -	$ 7,772,672	$ 1,163,734	$ -	$ 8,936,406		50.65%
Renovate academic & academic support spaces in old Memorial Stadium			-				-					-	121,839	551	-	122,390		2.10%
Leasure Hall			-				-					-	580,004	-	-	580,004		17.33%
Willard Hall	147,000	334,500	481,500	147,000	334,500		481,500					-	4,271,408	12,776	-	4,284,184		64.77%
Seaton Court			-				-					-	887,962	-	-	887,962		44.40%
Roofs and Other Projects			-				-					-	-	1,376,382	-	1,376,382		78.18%
TOTALS	$ 3,022,000	$ 3,000,000	$ 6,022,000	$ 3,022,000	$ 1,800,000	$ -	$ 4,822,000		$ -	$ -	$ -	$ -	$13,633,885	$ 2,553,443	$ -	$16,187,328		43.51%

FIVE-YEAR TOTALS TO DATE	$27,198,000	$15,200,000	$42,398,000	$26,805,140	$10,400,000	$ -	$37,205,140	>>>>>>>>>>>>>>>>Not Relevant<<<<<<<<<<<<<<<<					$13,633,885	$ 2,553,443	$ -	$16,187,328	N/A	43.51%

Kansas Board of Regents
State University Deferred Maintenance 5-Year Plan
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Wichita State University

FY 2008 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2008 Allocation Budget			Revised 2008 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES					Project Status at 6/30/08	
									CURRENT QUARTER NOT APPLICABLE	FY 2008 TOTALS					
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved		IMP	UI	TAX CREDITS	TOTAL	Projected Completion Date	To Date % of Project Completion
Duerksen Fine Arts Center	$ 24,000	$ 1,307,383	$ 1,331,383	$ 500,375	$ 1,244,952	n/a	$ 1,745,327	12/31/09		$ -	$ 45,124	n/a	$ 45,124	09/2008	0.56%
Engineering Building	101,000		101,000	145,000		n/a	145,000	3/30/08		-	-	n/a	-	10/2008	0.00%
Grace Wilkie Hall	70,000		70,000	170,000		n/a	170,000	3/30/08		-	-	n/a	-	10/2008	0.00%
Visual Communications Building	120,000		120,000	54,702		n/a	54,702	6/30/09		760	-	n/a	760	06/2008	1.39%
Wallace Hall	220,000		220,000	148,120		n/a	148,120	6/30/09		5,394	-	n/a	5,394	06/2008	3.64%
Ahlberg Hall	300,000		300,000	167,954		n/a	167,954	6/30/09		-	-	n/a	-	09/2008	0.00%
McKnight Art Center	450,000		450,000	214,060		n/a	214,060	6/30/09		-	-	n/a	-	06/2008	0.00%
Central Energy Plant	300,000		300,000	235,258		n/a	235,258	6/30/09		9,638	-	n/a	9,638	06/2008	4.10%
Lindquist Hall	252,000		252,000	190,347		n/a	190,347	6/30/09		-	-	n/a	-	06/2008	0.00%
Jardine Hall	36,000		36,000	59,438		n/a	59,438	6/30/09		-	-	n/a	-	06/2008	0.00%
Infrastructure	680,000		680,000	1,004,270		n/a	1,004,270	12/31/09		32,100	-	n/a	32,100	09/2008	2.83%
Heskett Center	300,000		300,000	116,696		n/a	116,696	6/30/09		27,383	-	n/a	27,383	06/2008	23.47%
National Institute for Aviation Research	240,000		240,000	86,780		n/a	86,780	6/30/09		70,902	-	n/a	70,902	06/2008	81.70%
TOTALS	$ 3,093,000	$ 1,307,383	$ 4,400,383	$ 3,093,000	$ 1,244,952		$ 4,337,952			$ 146,177	$ 45,124		$ 191,301		1.35%

FY 2009 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2009 Allocation Budget			Revised 2009 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES					Project Status	
									CURRENT QUARTER NOT APPLICABLE	TOTAL PROJECT-TO-DATE					
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved		IMP	UI	TAX CREDITS	TOTAL	Projected Completion Date	To Date % of Project Completion
Duerksen Fine Arts Center	$ 1,775,000	$ 1,307,383	$ 3,082,383	$ 1,775,000	$ 886,999	$ 40,000	$ 2,701,999	6/30/09		$ 968,976	$ 173,282	$ -	$ 1,142,258	03/2012	14.22%
Engineering Building	113,000		113,000	113,000		45,000	158,000	12/31/08		101,150	-	-	101,150	06/2010	12.63%
Grace Wilkie Hall	174,000		174,000	174,000			174,000	n/a		92,675	-	-	92,675	06/2011	3.16%
Visual Communications Building			-				-	n/a		54,702	-	-	54,702	12/2008	100.00%
Wallace Hall			-				-	n/a		147,520	-	-	147,520	07/2009	99.59%
Ahlberg Hall			-				-	n/a		167,954	-	-	167,954	06/2009	102.44%
McKnight Art Center			-				-	n/a		214,060	-	-	214,060	05/2009	100.00%
Central Energy Plant			-				-	n/a		235,258	-	-	235,258	04/2009	100.01%
Lindquist Hall			-				-	n/a		190,347	-	-	190,347	04/2009	100.00%
Jardine Hall			-				-	n/a		59,438	-	-	59,438	01/2009	100.00%
Infrastructure			-				-	n/a		746,698	-	-	746,698	07/2009	65.81%
Heskett Center			-				-	n/a		116,696	-	-	116,696	04/2009	100.00%
National Institute for Aviation Research			-				-	n/a		86,780	-	-	86,780	04/2009	100.00%
TOTALS	$ 2,062,000	$ 1,307,383	$ 3,369,383	$ 2,062,000	$ 886,999	$ 85,000	$ 3,033,999			$ 3,182,254	$ 173,282	$ -	$ 3,355,536		23.68%

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Kansas Board of Regents
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Wichita State University

FY 2010 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2010 Allocation Budget			Revised 2010 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES								Project Status	
									CURRENT QUARTER				TOTAL PROJECT-TO-DATE					
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved	IMP	UI	TAX CREDITS	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Projected Completion Date	To Date % of Project Completion
Duerksen Fine Arts Center	$ 648,500	$ 1,172,000	$ 1,820,500		$ 910,948	$ 70,200	$ 981,148	12/31/09	$ 10,035			$ 10,035	$ 1,031,283	$ 173,282	$ -	$ 1,204,565	03/2012	14.75%
Henrion Hall	210,000		210,000	-			-	9/30/09				-	-	-	-	-	N/A	0.00%
Engineering Building			-	1,412,470			1,412,470	9/30/09	82,527			82,527	596,743	-	-	596,743	09/2010	74.50%
Grace Wilkie Hall			-				-	n/a				-	92,675	-	-	92,675	12/2011	3.16%
Wilner Auditorium	498,000		498,000	-			-	9/30/09				-	-	-	-	-	N/A	0.00%
Visual Communications Building			-				-	n/a				-	54,702	-	-	54,702	12/2008	100.00%
Hubbard Hall		60,000	60,000		-		-	9/30/09				-	-	-	-	-	N/A	0.00%
Wallace Hall			-				-	n/a				-	148,119	-	-	148,119	07/2009	100.00%
Ahlberg Hall			-				-	n/a				-	167,954	-	-	167,954	06/2009	102.44%
McKnight Art Center			-				-	n/a				-	214,060	-	-	214,060	05/2009	100.00%
Geology Building	190,000		190,000	-			-	9/30/09				-	-	-	-	-	N/A	0.00%
Central Energy Plant			-				-	n/a				-	235,258	-	-	235,258	04/2009	100.01%
Lindquist Hall			-				-	n/a				-	190,347	-	-	190,347	04/2009	100.00%
Jardine Hall			-				-	n/a				-	59,438	-	-	59,438	01/2009	100.00%
Infrastructure			-				-	n/a				-	1,036,370	-	-	1,036,370	10/2009	103.20%
Heskett Center			-				-	n/a				-	116,696	-	-	116,696	04/2009	100.00%
National Institute for Aviation Research			-				-	n/a				-	86,780	-	-	86,780	04/2009	100.00%
TOTALS	$ 1,546,500	$ 1,232,000	$ 2,778,500	$ 1,412,470	$ 910,948	$ 70,200	$ 2,393,618		$ 92,562	$ -	$ -	$ 92,562	$ 4,030,425	$ 173,282	$ -	$ 4,203,707		29.67%

FY 2011 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2011 Allocation Budget			Revised 2011 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES								Project Status	
									CURRENT QUARTER				TOTAL PROJECT-TO-DATE					
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved	IMP	UI	TAX CREDITS	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Projected Completion Date	To Date % of Project Completion
Duerksen Fine Arts Center	$ 658,500	$ 607,000	$ 1,265,500	$ 952,500	$ 935,544		$ 1,888,044	n/a				$ -	$ 1,031,283	$ 173,282	$ -	$ 1,204,565		14.75%
Henrion Hall		-	-				-					-	-	-	-	-		0.00%
Engineering Building		-	-				-					-	596,743	-	-	596,743		74.50%
Grace Wilkie Hall	90,000		90,000	594,000			594,000	n/a				-	92,675	-	-	92,675		3.16%
Fiske Hall	294,000		294,000	-			-	n/a				-	-	-	-	-		0.00%
Wilner Auditorium			-				-					-	-	-	-	-		0.00%
Clinton Hall	504,000		504,000	-			-	n/a				-	-	-	-	-		0.00%
Visual Communications Building			-				-					-	54,702	-	-	54,702		100.00%
Hubbard Hall		562,000	562,000		-		-	n/a				-	-	-	-	-		0.00%
Wallace Hall		100,000	100,000		-		-	n/a				-	148,119	-	-	148,119		100.00%
Ahlberg Hall			-				-					-	167,954	-	-	167,954		102.44%
McKnight Art Center			-				-					-	214,060	-	-	214,060		100.00%
Geology Building			-				-					-	-	-	-	-		0.00%
ntral Energy Plant			-				-					-	235,258	-	-	235,258		100.01%
quist Hall			-				-					-	190,347	-	-	190,347		100.00%
ine Hall			-				-						59,438	-	-	59,438		100.00%
astructure			-				-						1,036,370	-	-	1,036,370		103.20%
Heskett Center			-				-					-	116,696	-	-	116,696		100.00%
National Institute for Aviation Research			-				-					-	86,780	-	-	86,780		100.00%
TOTALS	$ 1,546,500	$ 1,269,000	$ 2,815,500	$ 1,546,500	$ 935,544	$ -	$ 2,482,044		$ -	$ -	$ -	$ -	$ 4,030,425	$ 173,282	$ -	$ 4,203,707		26.77%

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Kansas Board of Regents
State University Deferred Maintenance 5-Year Plan
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Wichita State University

FY 2012 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2012 Allocation Budget			Revised 2012 Allocation Budget				Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES								Project Status	
									CURRENT QUARTER				TOTAL PROJECT-TO-DATE				Projected Completion Date	To Date % of Project Completion
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL		IMP	UI	TAX CREDITS	TOTAL	IMP	UI	TAX CREDITS	TOTAL		
Duerksen Fine Arts Center			$ -				$ -	n/a				$ -	$ 1,031,283	$ 173,282	$ -	$ 1,204,565		14.75%
Henrion Hall	$ 30,000	$ 53,000	83,000	$ -	$ -		-	n/a				-	-	-	-	-		0.00%
Engineering Building			-				-	n/a				-	596,743	-	-	596,743		74.50%
Grace Wilkie Hall			-	1,031,000	960,801		1,991,801	n/a				-	92,675	-	-	92,675		3.16%
Fiske Hall		42,000	42,000		-		-	n/a				-	-	-	-	-		0.00%
Wilner Auditorium			-				-	n/a				-	-	-	-	-		0.00%
Clinton Hall		240,000	240,000		-		-	n/a				-	-	-	-	-		0.00%
Visual Communications Building	36,000	36,000	72,000	-	-		-	n/a				-	54,702	-	-	54,702		100.00%
Hubbard Hall			-				-	n/a				-	-	-	-	-		0.00%
Wallace Hall	342,000		342,000	-			-	n/a				-	148,119	-	-	148,119		100.00%
Ahlberg Hall	48,000		48,000	-			-	n/a				-	167,954	-	-	167,954		102.44%
McKnight Art Center	24,000	30,000	54,000	-	-		-	n/a				-	214,060	-	-	214,060		100.00%
Geology Building	228,000	30,000	258,000	-	-		-	n/a				-	-	-	-	-		0.00%
Ablah Library	161,000		161,000	-	-		-	n/a				-	-	-	-	-		0.00%
Jabara Hall	42,000		42,000	-			-	n/a				-	-	-	-	-		0.00%
Central Energy Plant	84,000	24,000	108,000	-	-		-	n/a				-	235,258	-	-	235,258		100.01%
Lindquist Hall		42,000	42,000		-		-	n/a				-	190,347	-	-	190,347		100.00%
Jardine Hall		24,000	24,000		-		-	n/a				-	59,438	-	-	59,438		100.00%
Elliott Hall		114,000	114,000		-		-	n/a				-	-	-	-	-		0.00%
Infrastructure			-				-	n/a				-	1,036,370	-	-	1,036,370		103.20%
Brennan Hall 1		210,000	210,000		-		-	n/a				-	-	-	-	-		0.00%
Blake Hall		120,000	120,000		-		-	n/a				-	-	-	-	-		0.00%
Heskett Center			-				-	n/a				-	116,696	-	-	116,696		100.00%
Metropolitan Complex		342,000	342,000		-		-	n/a				-	-	-	-	-		0.00%
Police Building	36,000		36,000	-			-	n/a				-	-	-	-	-		0.00%
National Institute for Aviation Research			-				-	n/a				-	86,780	-	-	86,780		100.00%
TOTALS	$ 1,031,000	$ 1,307,000	$ 2,338,000	$ 1,031,000	$ 960,801	$ -	$ 1,991,801		$ -	$ -	$ -	$ -	$ 4,030,425	$ 173,282	$ -	$ 4,203,707		29.67%
FIVE-YEAR TOTALS TO DATE	$ 9,279,000	$ 6,422,766	$15,701,766	$ 9,144,970	$ 4,939,244	$ 155,200	$14,239,414	>>>>>>>>>>>>>>>Not Relevant<<<<<<<<<<<<<<<					$ 4,030,425	$ 173,282	$ -	$ 4,203,707	N/A	26.77%

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Kansas Board of Regents
State University Deferred Maintenance 5-Year Plan
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Emporia State University

FY 2008 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2008 Allocation Budget			Revised 2008 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES				Project Status at 6/30/08	
									CURRENT QUARTER NOT APPLICABLE	FY 2008 TOTALS				
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved		IMP	UI	TAX CREDITS	TOTAL	Projected Completion Date	To Date % of Project Completion
Physical Education Building Roof Replacement	$ 351,000	$ 486,000	$ 837,000	$ 351,000	$ 459,700	n/a	$ 810,700			$ 348,485	$ 390,619	n/a	$ 739,104	08/2008	91.17%
White Library HVAC Repairs / Replacement	230,000		230,000	230,000		n/a	230,000			63,052		n/a	63,052	08/2008	3.83%
White Library Electrical Repairs / Replacement	410,000		410,000	410,000		n/a	410,000			32,250		n/a	32,250	08/2008	4.57%
Utility Tunnels Repairs / Replacement	339,000		339,000	339,000		n/a	339,000			162,214		n/a	162,214	09/2008	17.33%
Roosevelt Hall Foundation Stabilization / Repairs	272,000		272,000	272,000		n/a	272,000			65,156		n/a	65,156	10/2008	8.80%
Roosevelt Hall HVAC Repairs / Replacement	175,000		175,000	175,000		n/a	175,000			137,425		n/a	137,425	05/2008	31.66%
Roosevelt Hall Plumbing Repairs / Replacement	35,000		35,000	35,000		n/a	35,000			13,600		n/a	13,600	10/2008	13.88%
TOTALS	$ 1,812,000	$ 486,000	$ 2,298,000	$ 1,812,000	$ 459,700		$ 2,271,700			$ 822,182	$ 390,619		$ 1,212,801		16.56%

FY 2009 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2009 Allocation Budget			Revised 2009 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES				Project Status	
									CURRENT QUARTER NOT APPLICABLE	TOTAL PROJECT-TO-DATE				
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved		IMP	UI	TAX CREDITS	TOTAL	Projected Completion Date	To Date % of Project Completion
Physical Education Building Roof Replacement			$ -				$ -			$ 351,000	$ 486,000	$ -	$ 837,000	10/2008	103.24%
White Library HVAC Repairs / Replacement	$ 1,208,000	$ 300,000	1,508,000	1,208,000	209,000		1,417,000			1,385,680	65,285	-	1,450,965	10/2009	88.10%
White Library Electrical Repairs / Replacement		186,000	186,000		186,000		186,000			136,258	-	-	136,258	10/2009	19.33%
Utility Tunnels Repairs / Replacement			-				-			330,507	-	-	330,507	06/2012	35.31%
Roosevelt Hall Foundation Stabilization / Repairs			-				-			175,017	-	-	175,017	06/2010	23.64%
Roosevelt Hall HVAC Repairs / Replacement			-				-			149,137	-	-	149,137	06/2010	34.36%
Roosevelt Hall Plumbing Repairs / Replacement			-				-			13,600	-	-	13,600	06/2010	13.88%
TOTALS	$ 1,208,000	$ 486,000	$ 1,694,000	$ 1,208,000	$ 395,000	$ -	$ 1,603,000			$ 2,541,199	$ 551,285	$ -	$ 3,092,484		42.23%

FY 2010 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2010 Allocation Budget			Revised 2010 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES								Project Status	
									CURRENT QUARTER				TOTAL PROJECT-TO-DATE					
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved	IMP	UI	TAX CREDITS	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Projected Completion Date	To Date % of Project Completion
Physical Education Building Roof Replacement			$ -				$ -					$ -	$ 351,000	$ 486,000	$ -	$ 837,000	10/2008	103.24%
White Library HVAC Repairs / Replacement			-				-			74,131		74,131	1,438,000	184,965	-	1,622,965	10/2009	98.54%
White Library Electrical Repairs / Replacement	$ 109,000		109,000	109,000			109,000		9,445	28,504		37,949	422,303	186,000	-	608,303	10/2009	86.28%
White Library Elevator Repairs / Replacement	50,000		50,000	50,000			50,000					-	22,856	-	-	22,856	06/2010	45.71%
White Library Partition Repairs / Replacement	200,000		200,000	200,000			200,000					-	-	-	-	-	06/2010	0.00%
Utility Tunnels Repairs / Replacement			-				-		22,013			22,013	361,013	-	-	361,013	06/2012	38.57%
Roosevelt Hall Foundation Stabilization / Repairs	547,000	$ 100,000	647,000	468,480			468,480		19,688			19,688	212,020	-	-	212,020	06/2010	28.63%
Roosevelt Hall HVAC Repairs / Replacement		275,000	275,000		259,000		259,000		90,768	15,751		106,519	265,097	15,751	-	280,848	06/2010	64.71%
Roosevelt Hall Plumbing Repairs / Replacement		63,000	63,000		63,000		63,000		1,115			1,115	19,246	-	-	19,246	06/2010	19.64%
Cremer Hall Elevator Repairs / Replacement		24,000	24,000		24,000		24,000					-	-	13,538	-	13,538	06/2010	22.56%
King Hall Elevator Repairs / Replacement		24,000	24,000		24,000		24,000					-	-	17,832	-	17,832	06/2010	29.72%
TOTALS	$ 906,000	$ 486,000	$ 1,392,000	$ 827,480	$ 370,000	$ -	$ 1,197,480		$ 143,029	$ 118,386	$ -	$ 261,415	$ 3,091,535	$ 904,086	$ -	$ 3,995,621		54.57%

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Kansas Board of Regents
State University Deferred Maintenance 5-Year Plan
Report for the Quarter Ended
June 30, 2010

Emporia State University

FY 2011 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2011 Allocation Budget			Revised 2011 Allocation Budget				Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES								Project Status	
									CURRENT QUARTER				TOTAL PROJECT-TO-DATE				Projected Completion Date	To Date % of Project Completion
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL		IMP	UI	TAX CREDITS	TOTAL	IMP	UI	TAX CREDITS	TOTAL		
Physical Education Building Roof Replacement			$ -				$ -					$ -	$ 351,000	$ 486,000	$ -	$ 837,000		103.24%
White Library HVAC Repairs / Replacement			-				-					-	1,438,000	184,965	-	1,622,965		98.54%
White Library Electrical Repairs / Replacement			-				-					-	422,303	186,000	-	608,303		86.28%
White Library Elevator Repairs / Replacement			-				-					-	22,856	-	-	22,856		45.71%
White Library Partition Repairs / Replacement			-				-					-	-	-	-	-		0.00%
Utility Tunnels Repairs / Replacement			-				-					-	361,013	-	-	361,013		38.57%
Roosevelt Hall Foundation Stabilization / Repairs			-				-					-	212,020	-	-	212,020		28.63%
Roosevelt Hall HVAC Repairs / Replacement			-				-					-	265,097	15,751	-	280,848		64.71%
Roosevelt Hall Plumbing Repairs / Replacement			-				-					-	19,246	-	-	19,246		19.64%
Cremer Hall Elevator Repairs / Replacement	$ 36,000		36,000	36,000			36,000					-	-	13,538	-	13,538		22.56%
King Hall Elevator Repairs / Replacement	36,000		36,000	36,000	-		36,000					-	-	17,832	-	17,832		29.72%
Visser Hall HVAC Repair / Replacement	284,000	$ 486,000	770,000	284,000	370,000		654,000					-	-	-	-	-		0.00%
Stormont Maintenance Building HVAC R&R	300,000		300,000	300,000			300,000					-	-	-	-	-		0.00%
Power House Roof Replacement	250,000		250,000	250,000			250,000					-	-	-	-	-		0.00%
TOTALS	$ 906,000	$ 486,000	$ 1,392,000	$ 906,000	$ 370,000	$ -	$ 1,276,000		$ -	$ -	$ -	$ -	$ 3,091,535	$ 904,086	$ -	$ 3,995,621		54.57%

FY 2012 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2012 Allocation Budget			Revised 2012 Allocation Budget				Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES								Project Status	
									CURRENT QUARTER				TOTAL PROJECT-TO-DATE				Projected Completion Date	To Date % of Project Completion
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL		IMP	UI	TAX CREDITS	TOTAL	IMP	UI	TAX CREDITS	TOTAL		
Physical Education Building Roof Replacement			$ -				$ -					$ -	$ 351,000	$ 486,000	$ -	$ 837,000		103.24%
P.E. Building HVAC Repairs / Replacement		$ 363,000	363,000		270,000		270,000					-	-	-	-	-		0.00%
P.E. Building Plumbing Repairs / Replacement		123,000	123,000		100,000		100,000					-	-	-	-	-		0.00%
White Library HVAC Repairs / Replacement			-				-					-	1,438,000	184,965	-	1,622,965		98.54%
White Library Electrical Repairs / Replacement			-				-					-	422,303	186,000	-	608,303		86.28%
White Library Elevator Repairs / Replacement			-				-					-	22,856	-	-	22,856		45.71%
White Library Partition Repairs / Replacement			-				-					-	-	-	-	-		0.00%
Utility Tunnels Repairs / Replacement	$ 597,000		597,000	597,000			597,000					-	361,013	-	-	361,013		38.57%
Roosevelt Hall Foundation Stabilization / Repairs			-				-					-	212,020	-	-	212,020		28.63%
Roosevelt Hall HVAC Repairs / Replacement			-				-					-	265,097	15,751	-	280,848		64.71%
Roosevelt Hall Plumbing Repairs / Replacement			-				-					-	19,246	-	-	19,246		19.64%
Cremer Hall Elevator Repairs / Replacement			-				-					-	-	13,538	-	13,538		22.56%
King Hall Elevator Repairs / Replacement			-				-					-	-	17,832	-	17,832		29.72%
Visser Hall HVAC Repair / Replacement	7,000		7,000	7,000			7,000					-	-	-	-	-		0.00%
Stormont Maintenance Building HVAC R&R			-				-					-	-	-	-	-		0.00%
Power House Roof Replacement			-				-					-	-	-	-	-		0.00%
TOTALS	$ 604,000	$ 486,000	$ 1,090,000	$ 604,000	$ 370,000	$ -	$ 974,000		$ -	$ -	$ -	$ -	$ 3,091,535	$ 904,086	$ -	$ 3,995,621		54.57%

FIVE-YEAR TOTALS TO DATE	$ 5,436,000	$ 2,430,000	$ 7,866,000	$ 5,357,480	$ 1,964,700	$ -	$ 7,322,180	>>>>>>>>>>>>>>>Not Relevant<<<<<<<<<<<<<<<	$ 3,091,535	$ 904,086	$ -	$ 3,995,621	N/A	54.57%

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Kansas Board of Regents
State University Deferred Maintenance 5-Year Plan
Report for the Quarter Ended
June 30, 2010

Pittsburg State University

FY 2008 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2008 Allocation Budget			Revised 2008 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES				Project Status at 6/30/08	
									CURRENT QUARTER NOT APPLICABLE	FY 2008 TOTALS				
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved		IMP	UI	TAX CREDITS	TOTAL	Projected Completion Date	To Date % of Project Completion
McCray Hall	$ 2,070,000		$ 2,070,000	$ 2,070,000	$ 174,187	n/a	$ 2,244,187	6/25/09		$ 154,237	$ 12,014	n/a	$ 166,251	11/2008	7.25%
Russ Hall		150,000	150,000		138,321	n/a	138,321	6/25/09			38,263	n/a	38,263	07/2008	27.66%
Axe Library		250,000	250,000		282,596	n/a	282,596	6/25/09			11,488	n/a	11,488	09/2008	4.04%
Replace Electrical Switch Gears		150,000	150,000		103,910	n/a	103,910	6/25/09			2,268	n/a	2,268	08/2008	2.14%
Steam Line Replacement		200,000	200,000		-	n/a	-	6/25/09			-	n/a	-		0.00%
Porter Hall	-	-	-		29,625	n/a	29,625	6/25/09				n/a	-		0.00%
TOTALS	$ 2,070,000	$ 750,000	$ 2,820,000	$ 2,070,000	$ 728,639		$ 2,798,639			$ 154,237	$ 64,033		$ 218,270		2.61%

FY 2009 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2009 Allocation Budget			Revised 2009 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES				Project Status	
									CURRENT QUARTER NOT APPLICABLE	TOTAL PROJECT-TO-DATE				
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved		IMP	UI	TAX CREDITS	TOTAL	Projected Completion Date	To Date % of Project Completion
McCray Hall	$ 230,000		$ 230,000	$ 23,357			$ 23,357	6/25/09		$ 2,093,357	$ 174,187	$ -	$ 2,267,544	4/2009	98.87%
Russ Hall			-				-	6/25/09		-	138,321	-	138,321	12/2008	100.00%
Axe Library			-				-	6/25/09		-	282,596	-	282,596	12/2008	99.46%
Replace Electrical Switch Gears			-				-	6/25/09		-	103,911	-	103,911	12/2008	97.84%
Steam Line Replacement			-	125,000			125,000	6/25/09		15,023	-	-	15,023	08/2009	12.02%
Utility Distribution System Improvements		$ 773,000	773,000				-	6/25/09		-	-	-	-	12/2010	0.00%
Porter Hall	1,150,000		1,150,000	1,231,643	375,000		1,606,643	6/25/09		234,165	6,274	-	240,439	09/2010	8.21%
TOTALS	$ 1,380,000	$ 773,000	$ 2,153,000	$ 1,380,000	$ 375,000	$ -	$ 1,755,000			$ 2,342,545	$ 705,289	$ -	$ 3,047,834		36.51%

FY 2010 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

	2010 Allocation Budget			Revised 2010 Allocation Budget					ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES								Project Status	
									CURRENT QUARTER				TOTAL PROJECT-TO-DATE					
Project/Building Name*	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Date Approved	IMP	UI	TAX CREDITS	TOTAL	IMP	UI	TAX CREDITS	TOTAL	Projected Completion Date	To Date % of Project Completion
McCray Hall			$ -				$ -					$ -	$ 2,093,357	$ 174,187	$ -	$ 2,267,544	4/2009	98.87%
Russ Hall			-				-					-	-	138,321	-	138,321	12/2008	100.00%
Axe Library			-				-					-	-	282,596	-	282,596	12/2008	99.46%
Replace Electrical Switch Gears			-				-					-	-	103,911	-	103,911	12/2008	97.84%
Steam Line Replacement			-				-					-	106,417	-	-	106,417	8/2009	85.13%
Utility Distribution System Improvements		$ 200,000	200,000		-		-	n/a	55,327	6,304		61,631	55,327	6,304	-	61,631	N/A	16.43%
Porter Hall	$ 1,035,000	115,000	1,150,000	$ 945,300	375,000		1,320,300	n/a	493,574			493,574	1,673,829	149,737	-	1,823,566	9/2010	62.30%
Hackert - Wells Hall		228,000	228,000		-		-	n/a				-	-	-	-	-	10/2011	0.00%
Jobs Hall			-				-	n/a		14,575		14,575	-	67,450	-	67,450	10/2010	19.55%
s Hall			-				-	n/a		28,818		28,818	-	76,424	-	76,424	10/2010	16.26%
de Facility		230,000	230,000		-		-	n/a				-	-	-	-	-	10/2012	0.00%
TOTALS	$ 1,035,000	$ 773,000	$ 1,808,000	$ 945,300	$ 375,000	$ -	$ 1,320,300		$ 548,901	$ 49,697	$ -	$ 598,598	$ 3,928,930	$ 998,930	$ -	$ 4,927,860		59.02%

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Kansas Board of Regents
State University Deferred Maintenance 5-Year Plan
Report for the Quarter Ended
June 30, 2010

Pittsburg State University

FY 2011 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2011 Allocation Budget			Revised 2011 Allocation Budget				Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES								Project Status	
									CURRENT QUARTER				TOTAL PROJECT-TO-DATE				Projected Completion Date	To Date % of Project Completion
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL		IMP	UI	TAX CREDITS	TOTAL	IMP	UI	TAX CREDITS	TOTAL		
McCray Hall			$ -				$ -					$ -	$ 2,093,357	$ 174,187	$ -	$ 2,267,544		98.87%
Russ Hall			-				-					-	-	138,321	-	138,321		100.00%
Axe Library			-				-					-	-	282,596	-	282,596		99.46%
Replace Electrical Switch Gears			-				-					-	-	103,911	-	103,911		97.84%
Steam Line Replacement			-				-					-	106,417	-	-	106,417		85.13%
Utility Distribution System Improvements			-				-					-	55,327	6,304	-	61,631		16.43%
Porter Hall			-				-					-	1,673,829	149,737	-	1,823,566		62.30%
Heckert-Wells Hall	$ 630,000	$ 190,000	820,000	$ 630,000	-		630,000	n/a				-	-	-	-	-		0.00%
Grubbs Hall		228,000	228,000				-	n/a				-	-	-	-	-		0.00%
Yates Hall		210,000	210,000		125,000		125,000	n/a				-	-	-	-	-		0.00%
Weede Facility	405,000	145,000	550,000	405,000	250,000		655,000	n/a				-	-	-	-	-		0.00%
TOTALS	$ 1,035,000	$ 773,000	$ 1,808,000	$ 1,035,000	$ 375,000	$ -	$ 1,410,000		$ -	$ -	$ -	$ -	$ 3,928,930	$ 855,056	$ -	$ 4,783,986		57.30%

FY 2012 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2012 Allocation Budget			Revised 2012 Allocation Budget				Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES								Project Status	
									CURRENT QUARTER				TOTAL PROJECT-TO-DATE				Projected Completion Date	To Date % of Project Completion
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL		IMP	UI	TAX CREDITS	TOTAL	IMP	UI	TAX CREDITS	TOTAL		
McCray Hall			$ -				$ -					$ -	$ 2,093,357	$ 174,187	$ -	$ 2,267,544		98.87%
Russ Hall			-				-					-	-	138,321	-	138,321		100.00%
Axe Library			-				-					-	-	282,596	-	282,596		99.46%
Replace Electrical Switch Gears			-				-					-	-	103,911	-	103,911		97.84%
Steam Line Replacement			-				-					-	106,417	-	-	106,417		85.13%
Utility Distribution System Improvements		386,000	386,000		375,000		375,000	n/a				-	55,327	6,304	-	61,631		16.43%
Porter Hall			-				-					-	1,673,829	149,737	-	1,823,566		62.30%
Heckert - Wells Hall			-				-					-	-	-	-	-		0.00%
Grubbs Hall	345,000	210,000	555,000	345,000	-		345,000	n/a				-	-	-	-	-		0.00%
Yates Hall	345,000	177,000	522,000	345,000	-		345,000	n/a				-	-	-	-	-		0.00%
Weede Facility			-				-					-	-	-	-	-		0.00%
TOTALS	$ 690,000	$ 773,000	$ 1,463,000	$ 690,000	$ 375,000	$ -	$ 1,065,000		$ -	$ -	$ -	$ -	$ 3,928,930	$ 855,056	$ -	$ 4,783,986		57.30%

FIVE-YEAR TOTALS TO DATE	$ 6,210,000	$ 3,842,000	$10,052,000	$ 6,120,300	$ 2,228,639	$ -	$ 8,348,939	>>>>>>>>>>>>>>>>Not Relevant<<<<<<<<<<<<<<<<					$ 3,928,930	$ 855,056	$ -	$ 4,783,986	N/A	57.30%

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Kansas Board of Regents
State University Deferred Maintenance 5-Year Plan
Report for the Quarter Ended
June 30, 2010

Fort Hays State University

FY 2008 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2008 Allocation Budget IMP	UI	TOTAL	Revised 2008 Allocation Budget IMP	UI	TAX CREDITS	TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES — CURRENT QUARTER NOT APPLICABLE	FY 2008 TOTALS IMP	UI	TAX CREDITS	TOTAL	Project Status at 6/30/08 Projected Completion Date	To Date % of Project Completion
Picken Hall Improvements	$ 2,073,000		$ 2,073,000	$ 2,073,000		n/a	$ 2,073,000	n/a		$ 184,776	$ -	n/a	$ 184,776	05/2010	4.81%
Utility Tunnel Replacement		336,000	336,000		336,000	n/a	336,000	n/a			25,964	n/a	25,964	09/2008	7.73%
Sheridan Hall Roof Repairs		70,000	70,000		70,000	n/a	70,000	06/25/09			59,256	n/a	59,256	05/2008	84.65%
Service Buildings Masonry Cleaning and Sealing		60,000	60,000		60,000	n/a	60,000	n/a			8,072	n/a	8,072	08/2008	13.45%
Repaint Cunningham Hall Gym Rooms		35,000	35,000		35,000	n/a	35,000	n/a			-	n/a	-		0.00%
Felten-Start Theatre Seating Replacement		100,000	100,000		100,000	n/a	100,000	n/a			-	n/a	-		0.00%
Campus Exterior Graphics - Phase II		60,000	60,000		60,000	n/a	60,000	n/a			-	n/a	-		0.00%
TOTALS	$ 2,073,000	$ 661,000	$ 2,734,000	$ 2,073,000	$ 661,000		$ 2,734,000			$ 184,776	$ 93,292		$ 278,068		2.71%

FY 2009 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2009 Allocation Budget IMP	UI	TOTAL	Revised 2009 Allocation Budget IMP	UI	TAX CREDITS	TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES — CURRENT QUARTER NOT APPLICABLE	TOTAL PROJECT-TO-DATE IMP	UI	TAX CREDITS	TOTAL	Project Status Projected Completion Date	To Date % of Project Completion
Picken Hall Improvements	$ 1,382,000	$ 390,000	$ 1,772,000	$ 709,577	$ 390,000	$ 672,423	$ 1,772,000	1/13/10		$ 1,437,958		$ -	$ 1,437,958	05/2010	37.40%
Street Improvements		223,000	223,000		223,000		223,000			-	-	-	-	08/2010	0.00%
Utility Tunnel Replacement			-				-			-	332,837	-	332,837	10/2008	99.06%
Sheridan Hall Roof Repairs			-				-			-	92,631	-	92,631	05/2008	132.33%
Service Buildings Masonry Cleaning and Sealing			-				-			-	51,984	-	51,984	03/2009	86.64%
Repaint Cunningham Hall Gym Rooms			-				-			-	39,629	-	39,629	01/2009	113.23%
Felten-Start Theatre Seating Replacement			-				-			-	93,760	-	93,760	03/2009	93.76%
Campus Exterior Graphics - Phase II			-				-			-	-	-	-	09/2009	0.00%
TOTALS	$ 1,382,000	$ 613,000	$ 1,995,000	$ 709,577	$ 613,000	$ 672,423	$ 1,995,000			$ 1,437,958	$ 610,841	$ -	$ 2,048,799		19.95%

FY 2010 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2010 Allocation Budget IMP	UI	TOTAL	Revised 2010 Allocation Budget IMP	UI	TAX CREDITS	TOTAL	Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES — CURRENT QUARTER IMP	UI	TAX CREDITS	TOTAL	TOTAL PROJECT-TO-DATE IMP	UI	TAX CREDITS	TOTAL	Project Status Projected Completion Date	To Date % of Project Completion
Picken Hall Improvements			$ -				$ -		$ (82,146)	$ 236,307		$ 154,161	$ 2,678,467	$ 494,110	$ 672,423	$ 3,845,000	05/2010	100.00%
Campus Electrical Improvements	$ 1,036,500	$ 986,500	2,023,000	1,619,093	690,425		2,309,518	01/13/10				-	-	-	-	-	12/2011	0.00%
Street Improvements			-				-			199		199	-	21,293	-	21,293	08/2010	3.22%
Utility Tunnel Replacement			-				-					-	-	332,837	-	332,837	10/2008	99.06%
Sheridan Hall Roof Repairs			-				-					-	-	92,631	-	92,631	05/2008	132.33%
Buildings Masonry Cleaning and Sealing			-				-					-	-	51,984	-	51,984	03/2009	86.64%
Cunningham Hall Gym Rooms			-				-					-	-	39,629	-	39,629	01/2009	113.23%
Start Theatre Seating Replacement			-				-					-	-	93,760	-	93,760	03/2009	93.76%
Campus Exterior Graphics - Phase II			-				-			3,403		3,403	-	44,705	-	44,705	07/2010	74.51%
TOTALS	$ 1,036,500	$ 986,500	$ 2,023,000	$ 1,619,093	$ 690,425	$ -	$ 2,309,518		$ (82,146)	$ 239,909	$ -	$ 157,763	$ 2,678,467	$ 1,170,949	$ 672,423	$ 4,521,839		44.02%

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Kansas Board of Regents
State University Deferred Maintenance 5-Year Plan
Report for the Quarter Ended
June 30, 2010

Fort Hays State University

FY 2011 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2011 Allocation Budget			Revised 2011 Allocation Budget				Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES								Project Status	
									CURRENT QUARTER				TOTAL PROJECT-TO-DATE				Projected Completion Date	To Date % of Project Completion
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL		IMP	UI	TAX CREDITS	TOTAL	IMP	UI	TAX CREDITS	TOTAL		
Picken Hall Improvements			$ -				$ -					$ -	$ 2,678,467	$ 494,110	$ 672,423	$ 3,845,000		100.00%
Campus Electrical Improvements	$ 1,036,500	$ 636,500	1,673,000	$ 1,036,500	$ 635,100		1,671,600					-	-	-	-	-		0.00%
Street Improvements		117,000	117,000		117,000		117,000					-	-	21,293	-	21,293		3.22%
Utility Tunnel Replacement			-				-					-	-	332,837	-	332,837		99.06%
Sheridan Hall Roof Repairs			-				-					-	-	92,631	-	92,631		132.33%
Service Buildings Masonry Cleaning and Sealing			-				-					-	-	51,984	-	51,984		86.64%
Repaint Cunningham Hall Gym Rooms			-				-					-	-	-	-	-		0.00%
Felten-Start Theatre Seating Replacement			-				-					-	-	-	-	-		0.00%
Campus Exterior Graphics - Phase II			-				-					-	-	44,705	-	44,705		74.51%
TOTALS	$ 1,036,500	$ 753,500	$ 1,790,000	$ 1,036,500	$ 752,100	$ -	$ 1,788,600		$ -	$ -	$ -	$ -	$ 2,678,467	$ 1,037,560	$ 672,423	$ 4,388,450		42.72%

FY 2012 BUDGET ALLOCATIONS AND ACTUAL EXPENDITURES

Project/Building Name*	2012 Allocation Budget			Revised 2012 Allocation Budget				Date Approved	ACTUAL QUARTERLY AND PROJECT-TO-DATE EXPENDITURES								Project Status	
									CURRENT QUARTER				TOTAL PROJECT-TO-DATE				Projected Completion Date	To Date % of Project Completion
	IMP	UI	TOTAL	IMP	UI	TAX CREDITS	TOTAL		IMP	UI	TAX CREDITS	TOTAL	IMP	UI	TAX CREDITS	TOTAL		
Picken Hall Improvements			$ -				$ -					$ -	$ 2,678,467	$ 494,110	$ 672,423	$ 3,845,000		100.00%
Campus Electrical Improvements			-				-					-	-	-	-	-		0.00%
Akers Energy Center Boiler Replacements	$ 691,000	$ 432,500	1,123,500	$ 691,000	$ 432,500		1,123,500					-	-	-	-	-		0.00%
Street Improvements		321,000	321,000		321,000		321,000					-	-	21,293	-	21,293		3.22%
Utility Tunnel Replacement			-				-					-	-	332,837	-	332,837		99.06%
Sheridan Hall Roof Repairs			-				-					-	-	92,631	-	92,631		132.33%
Service Buildings Masonry Cleaning and Sealing			-				-					-	-	51,984	-	51,984		86.64%
Repaint Cunningham Hall Gym Rooms			-				-					-	-	-	-	-		0.00%
Felten-Start Theatre Seating Replacement			-				-					-	-	-	-	-		0.00%
Campus Exterior Graphics - Phase II			-				-					-	-	44,705	-	44,705		74.51%
TOTALS	$ 691,000	$ 753,500	$ 1,444,500	$ 691,000	$ 753,500	$ -	$ 1,444,500		$ -	$ -	$ -	$ -	$ 2,678,467	$ 1,037,560	$ 672,423	$ 4,388,450		42.72%

FIVE-YEAR TOTALS TO DATE	$ 6,219,000	$ 3,767,500	$ 9,986,500	$ 6,129,170	$ 3,470,025	$ 672,423	$10,271,618	>>>>>>>>>>>>>>>>Not Relevant<<<<<<<<<<<<<<<<	$ 2,678,467	$ 1,037,560	$ 672,423	$ 4,388,450	N/A	42.72%

19-34

Kansas Board of Regents
State University Deferred Maintenance 5-Year Plan
Report for the Quarter Ended
June 30, 2010

	TOTAL PROJECT-TO-DATE			
ALL UNIVERSITIES	IMP	UI	TAX CREDITS	TOTAL
Project-to-date total expenditures by category	$48,932,872	$10,086,067	$ 728,420	$59,747,359

KANSAS
DEPARTMENT OF ADMINISTRATION

Mark Parkinson, Governor
Marilyn Jacobson, Director

http://da.ks.gov/fm

October 1, 2010

The Honorable Dwayne Umbarger, Chairperson
Joint Committee on State Building Construction
c/o Audrey A. Dunkel, Senior Fiscal Analyst
Legislative Research Department
68-W, State Capitol Building
Topeka, Kansas 66612

RE: Report of change orders for and status of State construction projects

Dear Chairperson Umbarger:

Pursuant to K.S.A. 75-1264 as amended, I am reporting to the Joint Committee on State Building Construction as to change orders of less than $125,000 which have been approved by this office. The enclosed documents reflect change orders which occurred during the month of September 2010, and the current status of major projects under construction.

Should any questions arise concerning this matter, please feel free to contact me at 296-0749.

Sincerely yours,

Randy Riveland, Deputy Director
Design, Construction and Compliance

RR:sk
Encl.

pc:
Senator Pat Apple
Senator Jay Emler
Senator Marci Francisco
Senator Laura Kelly
Representative Steve Brunk
Representative Bill Feuerborn
Representative Robert Grant
Representative Mitch Holmes
Representative Jo Ann Pottorff
Secretary of Administration Duane A. Goossen
James Wilson, Office of Revisor of Statutes
Matt Sterling, Office of Revisor of Statutes
Brendan Yorkey, Division of the Budget
Audrey A. Dunkel, Legislative Research Dept.

DIVISION OF FINANCE AND FACILITIES MANAGEMENT
900 SW Jackson, Room 600-N, Topeka, KS 66612-1220 • (785) 296-2113 • Fax: (785) 296-3456
e-mail: marilyn.jacobson@da.ks.gov

Attachment 20
JCSBC 10-10-10

FPDC form 460
Revised January 1, 2009

STATE AGENCY MUST FILL IN
Fund
PO No

CONTRACT CHANGE ORDER

STATE OF KANSAS
DEPARTMENT OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT
FACILITIES PLANNING, DESIGN & CONSTRUCTION
900 SW JACKSON, SUITE 600
TOPEKA, KANSAS 66612-1220
PHONE 785-296-8899 FAX 785-296-8898
WEBSITE: http//:da.ks.gov/fp

				DFM Approval
Project Title:	Parking Structure Irrigation & Topsoil	Project No.:	A-010333(a)	Planner RSS 9-17-10
Agency:	Kansas State University	Date:	8/15/10	
Institution & Location:	Kansas State University	Change Order No.	6	
Building Number:	36700-00192	Net Amount of Change:	$12,203.00 show deduct in ( )	
A / E Firm:	Kansas State University Facilities Planning			

A Brief Description of the Work The following shall be provided subject to the requirements of the Contract and Bond already executed the same as if herein repeated. Furnish all labor, materials, tools and equipment & transportation required to complete the following item(s) of work. Use continuation sheet if necessary & attach all back-up documentation.	Request Info Use Legend Below (Required for Approval)		Amount
Provide and install landscape plantings and mulch for (2) west shrub beds, 1" Sch 40 irrigation piping at west bike rack, and drainage/grading work at southwest end of site.	Initiated by:	2	$12,203.00
	Result of:	C	
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
APPROVED 8/26/10 [signature] DIRECTOR OF FACILITIES PLANNING KANSAS STATE UNIVERSITY	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Subtotal from continuations sheets		

Legend: Initiated by: Architect/Engineer = 1 Agency = 2 DFM = 3 Contractor = 4
Result of: Design Error = A Design Omission = B Change in Scope/Program = C Result of Field Conditions = D Other (explain) = E

The Original Contract Sum was	$	139,780.00
Net change by previous Change Orders	$	59,035.50
The Contract Sum prior to this Change Order was	$	198,815.50
The Contract Sum will be ☑ Increased ☐ Decreased ☐ Unchanged by ths Change Order	$	12,203.00
The New Contract Sum including this Change Order will be	$	211,018.50
The Contract time will be ☑ Increased ☐ Decreased ☐ Unchanged		(see below) Days
The Date of Completion as of the date of this Change Order therefore is September 20, 2010		

APPROVALS

Contractor Name and Address
Blueville Nursery, Inc.
4539 Anderson Ave.
Manhattan, KS 66503

[signature] 9-2-10
Head of State Agency Signature — Date

[signature] 8/16/10
Contractor's Signature — Date

[signature] 9-21-10
Director of Facilities Management Signature — Date

[signature] 8/24/10.
Project Architect/Engineer Signature — Date

Director of Accounts and Reports Signature — Date

[initials] 8-30-10

9/24/10

8-30-2010
20-2

FPDC form 460
Revis[illegible]ry 1, 2009

STATE AGENCY MUST FILL IN
Fund
PO No

CONTRACT CHANGE ORDER

STATE OF KANSAS
DEPARTMENT [illegible]STRATION
DIVISION OF FACIL[illegible]AGEMENT
FACILITIES PLANNING, DESIGN[illegible]STRUCTION
900 SW JACKSON, SUITE 600
TOPEKA, KANSAS 66612-1220
PHONE 785-296-8899 FAX 785-296-8898
WEBSITE: http://da.ks.gov/fp

Project Title:	Parking Structure Irrigation & Topsoil	Project No.:	A-010333(a)
Agency:	Kansas State University	Date:	8/15/10
Institution & Location:	Kansas State University	Change Order No.	7
Building Number:	36700-00192	Net Amount of Change:	$20,007.86
A / E Firm:	Kansas State University Facilities Planning		show deduct in ( )

DFM Approval Planner
RSS
9-17-10

A Brief Description of the Work	Request Info Use Legend Below (Required for Approval)		Amount
The following shall be provided subject to the requirements of the Contract and Bond already executed the same as if herein repeated. Furnish all labor, materials, tools and equipment & transportation required to complete the following item(s) of work. Use continuation sheet if necessary & attach all back-up documentation.			
Provide and install materials, labor, testing, and bonding for drainage improvements at north plaza.	Initiated by:	2	$20,007.86
	Result of:	C	
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Subtotal from continuations sheets		

APPROVED 8/26/10

Legend: Initiated by: Architect/Engineer = 1 Agency = 2 DFM = 3 Contractor = 4
Result of: Design Error = A Design Omission = B Change in Scope/Program = C Result of Field Conditions = D Other (explain) = E

The Original Contract Sum was	$	139,780.00
Net change by previous Change Orders	$	71,238.50
The Contract Sum prior to this Change Order was	$	211,018.50
The Contract Sum will be ☑ Increased ☐ Decreased ☐ Unchanged by ths Change Order	$	20,007.86
The New Contract Sum including this Change Order will be	$	231,026.36
The Contract time will be ☐ Increased ☐ Decreased ☑ Unchanged		(see below) Days
The Date of Completion as of the date of this Change Order therefore is		September 20, 2010

APPROVALS

Contractor Name and Address
Blueville Nursery, Inc.
4539 Anderson Ave.
Manhattan, KS 66503

Head of State Agency Signature — Date: 9-2-10

Contractor's Signature — Date: 8/16/10

Director of Facilities Management Signature — Date: 9-21-10

Project Architect/Engineer Signature — Date: 8/24/10

Director of Accounts and Reports Signature — Date:

8-30-10

9/24/10

for Hepler 9-30-2010

20-3

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F[illegible]n 460
F[illegible]anuary 1, 2009

STATE AGENCY MUST FILL IN
Fund
PO No

CONTRACT CHANGE ORDER

KANSAS
DEPARTMENT O[illegible]STRATION
DIVISION OF FACILITIES MANAGEMENT
FACILITIES PLANNING, DESIGN & CONSTRUCTION
900 SW JACKSON, SUITE 600
TOPEKA, KANSAS 66612-1220
PHONE 785-296-8899 FAX 785-296-8898
WEBSITE: http//:da.ks.gov/fp

Project Title:	Kansas State University Jardine Apartments Building 5 Tenant Improvements	Project No.:	A-010425	DFM Approval Planner
Agency:	Kansas State University Housing and Dining Services	Date:	July 21, 2010	18
Institution & Location:	Kansas State University, Manhattan KS 66502	Change Order No.	7	
Building Number:	36700-00270	Net Amount of Change:	$69,877.90	
A / E Firm:	The Ebert Mayo Design Group		show deduct in ( )	9.2.10

A Brief Description of the Work The following shall be provided subject to the requirements of the Contract and Bond already executed the same as if herein repeated. Furnish all labor, materials, tools and equipment & transportation required to complete the following item(s) of work. Use continuation sheet if necessary & attach all back-up documentation.	Request Info Use Legend Below (Required for Approval)		Amount
Provide work per ASI 11 to add HVAC fire dampers within dry storage room.	Initiated by:	1	$1,420.23
	Result of:	B	
Provide owner requested TV's, mounting, and digital signage software.	Initiated by:	2	$60,221.70
	Result of:	C	
Provide and install Glastender system, not provided by purveyer.	Initiated by:	4	$5,789.77
	Result of:	C	
Provide additional food warmer within the kitchen at owners request.	Initiated by:	2	$558.80
	Result of:	C	
Miscellaneous additions required for existing conditions.	Initiated by:	4	$1,713.60
	Result of:	D	
Provide additional light above soda machine within the kitchen.	Initiated by:	2	$173.80
	Result of:	C	
	Initiated by:		
	Result of:		
Subtotal from continuations sheets			

Legend: Initiated by: Architect/Engineer = 1 Agency = 2 DFM = 3 Contractor = 4
Result of: Design Error = A Design Omission = B Change in Scope/Program = C Result of Field Conditions = D Other (explain) = E

The Original Contract Sum was	$	1,457,000.00
Net change by previous Change Orders	$	68,909.75
The Contract Sum prior to this Change Order was	$	1,525,909.75
The Contract Sum will be ☑ Increased ☐ Decreased ☐ Unchanged by ths Change Order	$	$69,877.90
The New Contract Sum including this Change Order will be	$	1,595,787.65
The Contract time will be ☐ Increased ☐ Decreased ☑ Unchanged		0 Days
The Date of Completion as of the date of this Change Order therefore is April 10, 2010		

APPROVALS

Contractor Name and Address
First Management, Inc.
601 N. Iowa
Lawrence, KS 66044

[signature] 8/3/10 For Abe Fattaey

[signature] Head of State Agency Signature — Date 8-23-10

[signature] Contractor's Signature — Date

[signature] Director of Facilities Management Signature — Date 9-2-10

[signature] Project Architect/Engineer Signature — Date 7/29/10

Director of Accounts and Reports Signature — Date

Ellen DeRoce 8-4-10

[initials] 8-4-10 [initials] 9/2/10 20-4

FPDC[illegible]460
Revi[illegible]ary 1, 2009

STATE AGENCY MUST FILL IN

CONTRACT CHANGE ORDER

STATE OF KANSAS
DEPARTMEN[illegible]NISTRATION
DIVISION OF FAC[illegible]ANAGEMENT
FACILITIES PLANNING, DESIG[illegible]ONSTRUCTION
900 SW JACKSON, SUITE 600
TOPEKA, KANSAS 66612-1220
PHONE 785-296-8899 FAX 785-296-8898
WEBSITE: http://da.ks.gov/fp

Fund

PO No A2041347 PO ID 0000002777

Project Title:	K-4 Highway 40 - KDOT Sub-Area Shop	Project No.:	A-010538
Agency:	Kansas Department of Transportation	Date:	9/3/2010
Institution & Location:		Change Order No.	2
Building Number:		Net Amount of Change:	($380.40)
A / E Firm:	Bruce McMillan AIA Architects, P.A.		show deduct in ( )

DFM Approval Planner
RSS 9-28-10

A Brief Description of the Work The following shall be provided subject to the requirements of the Contract and Bond already executed the same as if herein repeated. Furnish all labor, materials, tools and equipment & transportation required to complete the following item(s) of work. Use continuation sheet if necessary & attach all back-up documentation	Request Info Use Legend Below (Required for Approval)	Amount
Allowance #1 (Contingency) not utilized in the project. See attached log.	Initiated by: 1 Result of: E	-$380.40
	Initiated by: Result of:	
	Initiated by: Result of:	
	Initiated by: Result of:	
	Initiated by: Result of:	
	Initiated by: Result of:	
	Initiated by: Result of:	
	Subtotal from continuations sheets	

Legend: Initiated by: Architect/Engineer = 1 Agency = 2 DFM = 3 Contractor = 4
Result of: Design Error = A Design Omission = B Change in Scope/Program = C Result of Field Conditions = D Other (explain) = E

The Original Contract Sum was	$	1,566,065.00
Net change by previous Change Orders	$	-
The Contract Sum prior to this Change Order was	$	1,566,065.00
The Contract Sum will be ☐ Increased ☑ Decreased ☐ Unchanged by ths Change Order	$	(380.40)
The New Contract Sum including this Change Order will be	$	1,565,684.60
The Contract time will be ☐ Increased ☐ Decreased ☑ Unchanged	0	Days
The Date of Completion as of the date of this Change Order therefore is June 14, 2010		

APPROVALS

Contractor Name and Address
Shirley Construction Inc.
2139 SW Westport Drive
Topeka, Kansas 66867

Contractor's Signature — Date: 9/9/10

Head of State Agency Signature — Date: 9/16/10

Director of Facilities Management Signature — Date: 9-28-10

Project Architect/Engineer Signature — Date: 9/3/10

Director of Accounts and Reports Signature — Date

20-5

FPDC form 460
Revised January 1, 2009

STATE AGENCY MUST FILL IN
Fund
PO No

CONTRACT CHANGE ORDER

STATE OF KANSAS
DEPARTMENT OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT
FACILITIES PLANNING, DESIGN & CONSTRUCTION
900 SW JACKSON, SUITE 600
TOPEKA, KANSAS 66612-1220
PHONE 785-296-8899 FAX 785-296-8898
WEBSITE: http://da.ks.gov/fp

Project Title:	K-State Center for Child Development	Project No.:	A-010662 Rev
Agency:	Kansas State University	Date:	Sep 1, 2010
Institution & Location:	Manhattan, Kansas	Change Order No.	6
Building Number:		Net Amount of Change:	$16,483.40
A / E Firm:	Gould Evans Associates		show deduct in ( )

DFM Approval Planner
DSS
9-27-10

A Brief Description of the Work The following shall be provided subject to the requirements of the Contract and Bond already executed the same as if herein repeated. Furnish all labor, materials, tools and equipment & transportation required to complete the following item(s) of work. Use continuation sheet if necessary & attach all back-up documentation.	Request Info Use Legend Below (Required for Approval)		Amount
Wood Sills in classrooms ($3,018) / Vinyl Faced Tile in Kitchen ($320)	Initiated by:	2	$3,338.00
	Result of:	C	
Add gutter at east curtain wall	Initiated by:	4	$624.00
	Result of:	C	
Added Siding for attic stock	Initiated by:	2	$7,370.40
	Result of:	C	
Builder's Risk Extension	Initiated by:	4	$3,536.50
	Result of:	C	
Gas Line Tap overtime	Initiated by:	4	$1,614.50
	Result of:	C	
	Subtotal from continuations sheets		

APPROVED: 9/9/10
DIRECTOR OF FACILITIES PLANNING
KANSAS STATE UNIVERSITY

Legend: Initiated by: Architect/Engineer = 1 Agency = 2 DFM = 3 Contractor = 4
Result of: Design Error = A Design Omission = B Change in Scope/Program = C Result of Field Conditions = D Other (explain) = E

The Original Contract Sum was	$	3,539,997.00
Net change by previous Change Orders	$	73,004.87
The Contract Sum prior to this Change Order was	$	3,613,001.87
The Contract Sum will be ☑ Increased ☐ Decreased ☐ Unchanged by ths Change Order	$	16,483.40
The New Contract Sum including this Change Order will be	$	3,629,485.27
The Contract time will be ☐ Increased ☐ Decreased ☑ Unchanged		0 Days
The Date of Completion as of the date of this Change Order therefore is		September 16, 2010

APPROVALS

Contractor Name and Address
First Management, Inc.
601 North Iowa
P.O. Box 1797
Lawrence, KS 66044

Contractor's Signature — Date: 9/2/10

Project Architect/Engineer Signature — Date: 8/1/10

Head of State Agency Signature — Date: 9-17-10

Director of Facilities Management Signature — Date: 9-28-10

Director of Accounts and Reports Signature — Date

9-3-10

9-9-10

9-9-10

9/28/10

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STATE AGENCY MUST FILL IN
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CONTRACT CHANGE ORDER

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DEPARTMENT ... STRATION
DIVISION OF FACIL... AGEMENT
FACILITIES PLANNING, DESIGN & CONSTRUCTION
900 SW JACKSON, SUITE 600
TOPEKA, KANSAS 66612-1220
PHONE 785-296-8899 FAX 785-296-8898
WEBSITE: http//:da.ks.gov/fp

Project Title:	12.5kV Distribution System Modifications	Project No.:	A-010700	DFM Approval Planner
Agency:	Board of Regents	Date:	August 10, 2010	
Institution & Location:	Kansas State University, Manhattan, Kansas	Change Order No.	8	
Building Number:	N/A	Net Amount of Change:	$96,311.00	9/16/10
A / E Firm:	Morrow Engineering, Inc.		show deduct in ( )	

A Brief Description of the Work The following shall be provided subject to the requirements of the Contract and Bond already executed the same as if herein repeated. Furnish all labor, materials, tools and equipment & transportation required to complete the following item(s) of work. Use continuation sheet if necessary & attach all back-up documentation.	Request Info Use Legend Below (Required for Approval)		Amount
1) (PCO #52) Pat Roberts Feed Per RFP #23	Initiated by:	1	$96,311.00
	Result of:	C	
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
APPROVED 8/23/10 DIRECTOR OF FACILITIES PLANNING KANSAS STATE UNIVERSITY	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Subtotal from continuations sheets		

Legend: Initiated by: Architect/Engineer = 1 Agency = 2 DFM = 3 Contractor = 4
Result of: Design Error = A Design Omission = B Change in Scope/Program = C Result of Field Conditions = D Other (explain) = E

The Original Contract Sum was	$	1,135,000.00
Net change by previous Change Orders	$	1,047,308.00
The Contract Sum prior to this Change Order was	$	2,182,308.00
The Contract Sum will be ☑ Increased ☐ Decreased ☐ Unchanged by ths Change Order	$	96,311.00
The New Contract Sum including this Change Order will be	$	2,278,619.00
The Contract time will be ☑ Increased ☐ Decreased ☐ Unchanged		30 Days
The Date of Completion as of the date of this Change Order therefore is November 9, 2010		

APPROVALS

Contractor Name and Address
Torgeson Electric Co
711 W 1st Street
Topeka, KS 66603

[signature]	9-2-10		
		Head of State Agency Signature	**Date**
[signature] **Contractor's Signature**	08/12/2010 **Date**	[signature] **Director of Facilities Management Signature**	9-21-10 **Date**
[signature] **Project Architect/Engineer Signature**	08/10/2010 **Date**	**Director of Accounts and Reports Signature**	**Date**

[signature] 8/26/10 9/24/10 Der Boppe for Hepting 8-26-2010 20-7

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January 1, 2009

STATE AGENCY MUST FILL IN
Fund 8100 118240
PO No 170

CONTRACT CHANGE ORDER

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DEPARTMENT OF AD... RATION
DIVISION OF FACILITIES MANAGEMENT
FACILITIES PLANNING, DESIGN & CONSTRUCTION
900 SW JACKSON, SUITE 600
TOPEKA, KANSAS 66612-1220
PHONE 785-296-8898 FAX 785-296-8898
WEBSITE: http://da.ks.gov/fp

Project Title:	Remodel Hickory Cottage	Project No.:	A-010770
Agency:	Department of Social & Rehabilitation Services	Date:	March 2, 2010
Institution & Location:	Parsons State Hospital & Training Center	Change Order No.	1
Building Number:	50700-00020	Net Amount of Change:	$5,550.83
A / E Firm:	Architectural Collaboration		show deduct in ( )

DFM Approval Planner
9/8/10

A Brief Description of the Work	Request Info Use Legend Below (Required for Approval)		Amount
The following shall be provided subject to the requirements of the Contract and Bond already executed the same as if herein repeated. Furnish all labor, materials, tools and equipment & transporation required to complete the following item(s) of work. Use continuation sheet if necessary & attach all back-up documentation.			
Refurbish existing electrical panelboard by installing new interior buses and circuit breakers and refeed panel.	Initiated by:	1	
	Result of:	D	5550.83
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Subtotal from continuations sheets		

Legend: Initiated by: Architect/Engineer = 1 Agency = 2 DFM = 3 Contractor = 4
Result of: Design Error = A Design Omission = B Change in Scope/Program = C Result of Field Conditions = D Other (explain) = E

The Original Contract Sum was	$	697,966.00
Net change by previous Change Orders	$	-
The Contract Sum prior to this Change Order was	$	697,966.00
The Contract Sum will be ☑ Increased ☐ Decreased ☐ Unchanged by ths Change Order	$	5,550.83
The New Contract Sum including this Change Order will be	$	703,516.83
The Contract time will be ☑ Increased ☐ Decreased ☐ Unchanged	20	Days
The Date of Completion as of the date of this Change Order therefore is April 30, 2010		

APPROVALS

Contractor Name and Address
Dalrymple Construction
7030 West 107th Street Suite 210
Overland Park, Kansas 66212

Head of State Agency Signature — Date 9/7/10

Contractor's Signature — Date 4-27-10

Director of Facilities Management Signature — Date 9-5-10

Project Architect/Engineer Signature — Date 5/3/10

Director of Accounts and Reports Signature — Date

9/15/10

FPDC form 460
Revised January 1, 2009

STATE AGENCY MUST FILL IN	
Fund	SIGC 11 8.240
PO No	170

CONTRACT CHANGE ORDER

STATE OF KANSAS
DEPARTMENT OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT
FACILITIES PLANNING, DESIGN & CONSTRUCTION
900 SW JACKSON, SUITE 600
TOPEKA, KANSAS 66612-1220
PHONE 785-296-8899 FAX 785-296-8898
WEBSITE: http//:da.ks.gov/fp

Project Title:	Remodel Hickory Cottage	Project No.:	A-010770
Agency:	Department of Social & Rehabilitation Services	Date:	August 31, 2010
Institution & Location:	Parsons State Hospital & Training Center	Change Order No.	2
Building Number:	50700-00020	Net Amount of Change:	$45.111.80
A / E Firm:	Architectural Collaboration		

DFM Approval
Planner
fast
9/8/10

A Brief Description of the Work	Request Info		Amount
Due to fire consultant's design error and manufacturer's limitations for substitute system, eliminate (20) ECLH sidewall fire sprinkler heads in attic space, and provide an additional (40) brass upright fire sprinkler heads in the attic space.	Initiated by:	1	$23,839.45
	Result of:	A	
The General Contractor is being compensated for items such as additional mileage, dumpster rental, portable toilet rental, additional time for the Project Manager directly affected by the fire sprinkler consultant's miss application of the wrong fire sprinkler system. No additional fees shall be requested for compensation due to work stoppage.	Initiated by:	4	$21,272.35
	Result of:	C	
Since General Contractor elected to stop all work on project instead of continuing with non-sprinkler work, only additional time for the substituted sprinkler system will be allowed. Due to G.C.'s schedule, the hospital will have available the project site for the contractor to be able to commence with the completion of the work September 1, 2010 and achieve Final Completion on or before December 7, 2010.	Initiated by:		
	Result of:		
Review and approval of the amended fire sprinkler shop drawings shall be conducted in a reasonable time period. Should the approval process be extended beyond a reasonable timeframe, consideration for additional time will be given the General Contractor. Consideration for additional time shall not be given for resubmission of shop drawings if they are incomplete or if errors are found in the data. The parties acknowledge that review of the fire sprinkler shop drawing submittals will require review by numerous entities separate from the other and one cannot control the actions of the other.	Initiated by:		
	Result of:		
	Subtotal from continuations sheets		

Legend:

The Original Contract Sum was	$	697,966.00
Net change by previous Change Orders	$	5,550.83
The Contract Sum prior to this ☑ hange Order was ☐ ☐	$	703,516.83
The Contract Sum will be Increased Decreased Unchanged by ths Change Order	$	$45.111.80
The New Contract Sum including this Change Order will be	$	748,628.63
The Contract time will be ☑ Increased ☐ Decreased ☐ Unchanged		40 Days
The Date of Completion as of the date of this Change Order therefore is January 16, 2011		

APPROVALS

Contractor Name and Address
Dalrymple Construction
7030 West 107th Street Suite 210
Overland Park, Kansas 66212

Head of State Agency Signature — Date 9/7/10

Contractor's Signature — Date 8-31-10

Director of Facilities Management Signature — Date 9-15-10

Project Architect/Engineer Signature — Date 9/1/10

Director of Accounts and Reports Signature — Date 9/15/10

20-9

FPDC form 460
Revised January 1, 2009

STATE AGENCY MUST FILL IN
Fund
PO No

CONTRACT CHANGE ORDER

STATE OF KANSAS
DEPARTMENT OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT
FACILITIES PLANNING, DESIGN & CONSTRUCTION
900 SW JACKSON, SUITE 600
TOPEKA, KANSAS 66612-1220
PHONE 785-296-8899 FAX 785-296-8998
WEBSITE: http://da.ks.gov/fp

Project Title:	Pittsburg State University, New Student Housing	Project No.:	A-010807
Agency:	Pittsburg State University	Date:	August 27, 2010
Institution & Location:	Pittsburg State University, Pittsburg, Kansas	Change Order No.	4
Building Number:	38500-0048A, 0048B, 1148C, 0048D, 0048E	Net Amount of Change:	$53,593.00
A / E Firm:	HTK Architects, P.A.		show deduct in ( )

DFM Approval Planner
9.15.10

A Brief Description of the Work The following shall be provided subject to the requirements of the Contract and Bond already executed the same as if herein repeated. Furnish all labor, materials, tools and equipment & transportation required to complete the following item(s) of work. Use continuation sheet if necessary & attach all back-up documentation.	Request Info Use Legend Below (Required for Approval)		Amount
CR # 39 - End Vent Modification	Initiated by:	2	$8,277.00
	Result of:	D	
CR # 47 - Metal Trim at Block to Precast	Initiated by:	1	$7,776.00
	Result of:	D	
CR # 48 - Core Drill Planter Weeps	Initiated by:	2	$1,092.00
	Result of:	D	
CR # 49 - Add Conduit for Future Sign	Initiated by:	2	$3,058.00
	Result of:	C	
CR # 50 - Add Asphalt to Existing Parking Lot	Initiated by:	2	$6,289.00
	Result of:	B	
CR # 55 - Sod at All Locations	Initiated by:	2	$29,765.00
	Result of:	C	
CR # 53 - Credit for Deletion of Door Chains	Initiated by:	2	($2,188.00)
	Result of:	A	
Subtotal from continuations sheets			($476.00)

Legend: Initiated by: Architect/Engineer = 1 Agency = 2 DFM = 3 Contractor = 4
Result of: Design Error = A Design Omission = B Change in Scope/Program = C Result of Field Conditions = D Other (explain) = E

The Original Contract Sum was	$	8,290,689.00
Net change by previous Change Orders	$	232,591.76
The Contract Sum prior to this Change Order was	$	8,523,280.76
The Contract Sum will be ☑ Increased ☐ Decreased ☐ Unchanged by ths Change Order	$	53,593.00
The New Contract Sum including this Change Order will be	$	8,576,873.76
The Contract time will be ☑ Increased ☐ Decreased ☐ Unchanged		2 Days
The Date of Completion as of the date of this Change Order therefore is	August 4, 2010	

APPROVALS

Contractor Name and Address
R.E. Smith Construction Company
P.O. Box 549
Joplin, MO 64802

Head of State Agency Signature — Date: 09/09/10

Contractor's Signature — Date: 9/8/2010

Director of Facilities Management Signature — Date: 9-15-10

Project Architect/Engineer Signature — Date: 8/30/10

Director of Accounts and Reports Signature — Date

9/15/10

9-20-10

FPDC form 160
Revised v 1, 2009

STATE AGENCY MUST FILL IN
Fund
PO No

CONTRACT CHANGE ORDER

STATE OF KANSAS
DEPARTMENT OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT
FACILITIES PLANNING, DESIGN & CONSTRUCTION
900 SW JACKSON, SUITE 600
TOPEKA, KANSAS 66612-1220
PHONE 785-296-8899 FAX 785-296-8898
WEBSITE: http://da.ks.gov/fp

Project Title:	Trout Hall Renovation	Project No.:	A-010808(A)
Agency:	Pittsburg State University	Date:	31 August 2010
Institution & Location:	Pittsburg State University, Pittsburg Kansas	Change Order No.	1
Building Number:	38500-00170	Net Amount of Change:	$23,102.00
A / E Firm:	Anderson MacAdam Architects, Inc.		show deduct in ( )

DFM Approval Planner
18
9.15.10

A Brief Description of the Work The following shall be provided subject to the requirements of the Contract and Bond already executed the same as if herein repeated. Furnish all labor, materials, tools and equipment & transportation required to complete the following item(s) of work. Use continuation sheet if necessary & attach all back-up documentation.	Request Info Use Legend Below (Required for Approval)		Amount
Crossland Const. Co. 001 - Add - Bowen Hall detection system additions	Initiated by:	2	$1,292.00
	Result of:	D	
Crossland Const. Co. 002 - Add - Trout hall bathroom lighting	Initiated by:	2	$1,083.00
	Result of:	D	
Crossland Const. Co. 003 - Add - Safety improvements to Trout Hall stairwell and fireplace hearth modifications	Initiated by:	2	$21,927.00
	Result of:	D	
Crossland Const. Co. 004 - Deduct - Omitt fan coil unit relocatino in Trout Hall laundry room.	Initiated by:	2	-$1,200.00
	Result of:	D	
	Initiated by:		11
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Subtotal from continuations sheets		$0.00

Legend: Initiated by: Architect/Engineer = 1 Agency = 2 DFM = 3 Contractor = 4
Result of: Design Error = A Design Omission = B Change in Scope/Program = C Result of Field Conditions = D Other (explain) = E

The Original Contract Sum was	$	840,300.00
Net change by previous Change Orders	$	-
The Contract Sum prior to this Change Order was	$	840,300.00
The Contract Sum will be ☑ Increased ☐ Decreased ☐ Unchanged by ths Change Order	$	23,102.00
The New Contract Sum including this Change Order will be	$	863,402.00
The Contract time will be ☐ Increased ☐ Decreased ☑ Unchanged	0	Days
The Date of Completion as of the date of this Change Order therefore is July 30, 2010		

APPROVALS

Contractor Name and Address
Crossland Construction Company, Inc.
P.O. Box 45
Columbus, Kansas 66725

Head of State Agency Signature — Date: 09/10/10

Contractor's Signature — Date: 9/8/10

Director of Facilities Management Signature — Date: 9-15-10

Project Architect/Engineer Signature — Date: 31 Aug '10

Director of Accounts and Reports Signature — Date

9/15/10

20-11

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Revised January 1, 2009

STATE AGENCY MUST FILL IN

Fund 8001-837

PO No AD041393

CONTRACT CHANGE ORDER

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DEPARTMENT OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT
FACILITIES PLANNING, DESIGN & CONSTRUCTION
900 SW JACKSON, SUITE 500
TOPEKA, KANSAS 66612-1220
PHONE 785-296-8899 FAX 785-296-8896
WEBSITE: http://da.ks.gov/fp

Project Title:	WSU Engineering Building HVAC Renovation	Project No.:	A-010846
Agency:	Wichita State University - Wichita, Kansas	Date:	September 8, 2010
Institution & Location:	Wichita State University - Wichita, Kansas	Change Order No.	3
Building Number:	71500-00016	Net Amount of Change:	$15,875.00
A / E Firm:	Welch and Mitchell, Inc		show deduct in ( )

DFM Approval Planner
vmo 9/29/10

A Brief Description of the Work The following shall be provided subject to the requirements of the Contract and Bond already executed the same as if herein repeated. Furnish all labor, materials, tools and equipment & transportation required to complete the following item(s) of work. Use continuation sheet if necessary & attach all back-up documentation.	Request Info Use Legend Below (Required for Approval)		Amount
COR #23: Addt'l labor to install control valve from CO #22	Initiated by:	2	$454.00
	Result of:	C	
COR #24: Addt'l excavation and removeal required to trench in new hydronic pipe, due to unforseen conditions.	Initiated by:	2	$4,412.00
	Result of:	D	
COR #25: Addt'l rework required to trench in new hydronic pipe, due to unforseen conditions.	Initiated by:	2	$4,341.00
	Result of:	D	
COR #26: Change ceiling grid and tiles to accommodate projectors in rms 102, 122, 202, 204 & 211.	Initiated by:	2	$5,568.00
	Result of:	C	
COR#27: Electrical rework required for field conditions.	Initiated by:	1,2	$1,100.00
	Result of:	D	
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Subtotal from continuations sheets		$0.00

Legend: Initiated by: Architect/Engineer = 1 Agency = 2 DFM = 3 Contractor = 4
Result of: Design Error = A Design Omission = B Change in Scope/Program = C Result of Field Conditions = D Other (explain) = E

The Original Contract Sum was	$	951,056.00
Net change by previous Change Orders	$	152,165.25
The Contract Sum prior to this Change Order was	$	1,103,221.25
The Contract Sum will be ☑ Increased ☐ Decreased ☐ Unchanged by this Change Order	$	15,875.00
The New Contract Sum including this Change Order will be	$	1,119,096.25
The Contract time will be ☐ Increased ☐ Decreased ☑ Unchanged		0 Days
The Date of Completion as of the date of this Change Order therefore is		July 15, 2010

APPROVALS

Contractor Name and Address
Caro Construction
527 North Walnut Street
Wichita, KS 67203-5936

Mary L. Herrum — Head of State Agency Signature — 9/23/10 Date

9-14-10 — Contractor's Signature — Date

Director of Facilities Management Signature — 9-29-10 Date

Michael B. Welch — Project Architect/Engineer Signature — 9-8-2010 Date

Director of Accounts and Reports Signature — Date

9/29/10

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Revise[illegible]r 1, 2009

ST[illegible]F KANSAS
DEPARTMENT OF[illegible]TRATION
DIVISION OF FACILIT[illegible]GEMENT
FACILITIES PLANNING, DESIGN & CONSTRUCTION
900 SW JACKSON, SUITE 600
TOPEKA, KANSAS 66612-1220
PHONE 785-296-8899 FAX 785-296-8898
WEBSITE: http//:da.ks.gov/fp

CONTRACT CHANGE ORDER

STATE AGENCY MUST FILL IN	
Fund	800I-8319
PO No	ADD4/364

Project Title:	Campus Exterior Lighting Upgrades	Project No.:	A-010908
Agency:	Wichita State University	Date:	September 2, 2010
Institution & Location:	Wichita State University: Wichita. KS	Change Order No.	3
Building Number:	N/A	Net Amount of Change:	$4,800.00
A / E Firm:	WSU Architectural & Engineering Services		show deduct in ( )

DFM Approval Planner
9/20/10 MW

A Brief Description of the Work	Request Info Use Legend Below (Required for Approval)		Amount
The following shall be provided subject to the requirements of the Contract and Bond already executed the same as if herein repeated. Furnish all labor, materials, tools and equipment & transportation required to complete the following item(s) of work. Use continuation sheet if necessary & attach all back-up documentation.			
Remove twenty-four (24) abandoned concrete light pole bases, not previously requested for removal in the project design documents, to eliminate them as a safety hazard to campus pedestrian traffic. Subject bases shall be field located in coodination with the Engineer.	Initiated by:	2	$4,800.00
	Result of:	D	
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Subtotal from continuations sheets		

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Legend: Initiated by: Architect/Engineer = 1 Agency = 2 DFM = 3 Contractor = 4
Result of: Design Error = A Design Omission = B Change in Scope/Program = C Result of Field Conditions = D Other (explain) = E

The Original Contract Sum was	$	262,740.00
Net change by previous Change Orders	$	77,963.80
The Contract Sum prior to this Change Order was	$	340,703.80
The Contract Sum will be ☑ Increased ☐ Decreased ☐ Unchanged by ths Change Order	$	4,800.00
The New Contract Sum including this Change Order will be	$	345,503.80
The Contract time will be ☑ Increased ☐ Decreased ☐ Unchanged		62 Days
The Date of Completion as of the date of this Change Order therefore is	September 30, 2010	

APPROVALS

Contractor Name and Address
Wichita Electric Co., Inc.
2020 E. Douglas
Wichita, KS 67214

Mary L Herron 9/14/10
Head of State Agency Signature Date

Contractor's Signature 9-3-2010 Date

Director of Facilities Management Signature 9-21-10 Date

Project Architect/Engineer Signature 9/9/10 Date

Director of Accounts and Reports Signature Date

9/24/10

20-13

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January 1, 2009

STATE AGENCY MUST FILL IN
Fund
PO No

CONTRACT CHANGE ORDER

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DEPARTMENT O... ...NISTRATION
DIVISION OF FACILITIES MANAGEMENT
FACILITIES PLANNING, DESIGN & CONSTRUCTION
900 SW JACKSON, SUITE 600
TOPEKA, KANSAS 66612-1220
PHONE 785-296-8899 FAX 785-296-8898
WEBSITE: http//:da.ks.gov/fp

Project Title:	FHSU Soccer Facility	Project No.:	A011156
Agency:	FHSU	Date:	September 1, 2010
Institution & Location:	Fort Hays State University, Hays, Kansas	Change Order No.	3
Building Number:	24600-00146	Net Amount of Change:	$10,236.00
A / E Firm:	Olsson Associates		show deduct in ( )

DFM Approval
Planner
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9-21-10

A Brief Description of the Work	Request Info Use Legend Below (Required for Approval)		Amount
The following shall be provided subject to the requirements of the Contract and Bond already executed the same as if herein repeated. Furnish all labor, materials, tools and equipment & transportation required to complete the following item(s) of work. Use continuation sheet if necessary & attach all back-up documentation.			
Coating the posts of the ball-net system with black PVC to match the playing field fence.	Initiated by:	2	$2,973.00
	Result of:	C	
Adding lockers to locker room and work associated with it, including relocation of some electrical recepticles which required additional material.	Initiated by:	2	$3,769.00
	Result of:	C, D	
Various gate adjustments including eliminating 2-3' wide pedestrian gates and adding 1-5' wide pedestrian gate from the playing field fence, adding 12' wide gates to both the playing field and security fence and widening two 10' wide gates located north and south of the grandstand to 12'.	Initiated by:	2	$3,278.00
	Result of:	C	
Increasing the stone caps to be placed on the bollards shown on Sheet A1.1 from 26 inches square to 30 inches square.	Initiated by:	4	$216.00
	Result of:	A	
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
		Subtotal from continuations sheets	

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Legend: Initiated by: Architect/Engineer = 1 Agency = 2 DFM = 3 Contractor = 4
Result of: Design Error = A Design Omission = B Change in Scope/Program = C Result of Field Conditions = D Other (explain) = E

The Original Contract Sum was	$	2,083,900.00
Net change by previous Change Orders	$	29,166.00
The Contract Sum prior to this Change Order was	$	2,113,066.00
The Contract Sum will be ☑ Increased ☐ Decreased ☐ Unchanged by ths Change Order	$	10,236.00
The New Contract Sum including this Change Order will be	$	2,123,302.00
The Contract time will be ☐ Increased ☐ Decreased ☑ Unchanged		0 Days
The Date of Completion as of the date of this Change Order therefore is June 30, 2011		

APPROVALS

Contractor Name and Address
Konrath
1600 Genessee, Suite 340
Kansas City, Missouri 64102
P: (816) 283-3860 F: (816) 283-3858

Contractor's Signature 9/2/10 **Date**

Project Architect/Engineer Signature 9-1-10 **Date**

Head of State Agency Signature 9/17/10 **Date**

Director of Facilities Management Signature 9-21-10 **Date**

Director of Accounts and Reports Signature **Date**

9/9/10

H11484

9/24/10

20-14

FPDC form 460
Revised 1, 2009

STATE AGENCY MUST FILL IN
Fund
PO No

CONTRACT CHANGE ORDER

KANSAS
DEPARTMENT O. TRATION
DIVISION OF FACILITI AGEMENT
FACILITIES PLANNING, DESIGN & CONSTRUCTION
900 SW JACKSON, SUITE 600
TOPEKA, KANSAS 66612-1220
PHONE 785-296-8899 FAX 785-296-8898
WEBSITE: http//:da.ks.gov/fp

Project Title:	Rarick Hall - Roof Replacement	Project No.:	A-011211
Agency:	Department of Facilities Planning	Date:	September 2, 2010
Institution & Location:	Fort Hays State University	Change Order No.	2
Building Number:	24600-00140	Net Amount of Change:	$1,520.00
A / E Firm:	Abercrombie Architects, P.A.		show deduct in ( )

DFM Approval Planner
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9-15-10

A Brief Description of the Work The following shall be provided subject to the requirements of the Contract and Bond already executed the same as if herein repeated. Furnish all labor, materials, tools and equipment & transportation required to complete the following item(s) of work. Use continuation sheet if necessary & attach all back-up documentation.	Request Info Use Legend Below (Required for Approval)		Amount
Provide an auxiliary piece of prefinished skirt metal at Penthouse perimeter	Initiated by:	1	$540.00
	Result of:	D	
Provide new "dark bronze" counterflashing (surface mount) at perimeter of Penthouse	Initiated by:	1	$980.00
	Result of:	D	
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
Subtotal from continuations sheets			

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Legend: Initiated by: Architect/Engineer = 1 Agency = 2 DFM = 3 Contractor = 4
Result of: Design Error = A Design Omission = B Change in Scope/Program = C Result of Field Conditions = D Other (explain) = E

The Original Contract Sum was	$	392,140.00
Net change by previous Change Orders	$	10,488.00
The Contract Sum prior to this Change Order was	$	402,628.00
The Contract Sum will be ☑ Increased ☐ Decreased ☐ Unchanged by this Change Order	$	1,520.00
The New Contract Sum including this Change Order will be	$	404,148.00
The Contract time will be ☑ Increased ☐ Decreased ☐ Unchanged		43 Days
The Date of Completion as of the date of this Change Order therefore is August 30, 2010		

APPROVALS

Contractor Name and Address
High Plains Roofing
PO Box 1347
Hays, KS 67601

Head of State Agency Signature — Date: 9/9/10

Thomas Phillips — Contractor's Signature — Date: 9-3-10

Director of Facilities Management Signature — Date: 9-16-10

Project Architect/Engineer Signature — Date: 9/2/2010

Director of Accounts and Reports Signature — Date: 9/16/10

H11399

20-15

PPBC form 450
Revised January 1, 2009

STATE AGENCY MUST FILL IN
Fund
PO No

CONTRACT CHANGE ORDER

STATE OF KANSAS
DEPARTMENT OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT
FACILITIES PLANNING, DESIGN AND CONSTRUCTION
900 SW JACKSON, SUITE 600
TOPEKA, KANSAS 66612-1220
PHONE 785-296-8899 FAX 785-296-8898
WEBSITE: http://da.ks.gov/fp

t	McMindes Hall Toilet-Bath Improvements	Project No.:	A-011289
Agency:	Fort Hays State University	Date:	August 27, 2010
Institution & Location:	Hays, Kansas	Change Order No.	One (1)
Building Number:	24600-00325	Net Amount of Change:	$58,442.00
A / E Firm:			show deduct in ( )

DFM Approval Planner
9/1/10

A Brief Description of the Work	Request Info Use Legend Below (Required for Approval)		Amount
The following shall be provided subject to the requirements of the Contract and Bond already executed the same as if herein repeated. Furnish all labor, materials, tools and equipment & transportation required to complete the following item(s) of work. Use continuation sheet if necessary & attach all back-up documentation.			
PR #1 - Door Hardware. Provide Sargeant brand locksets, closers and latches. *University standard.	Initiated by:	2	$2,587.00
	Result of:	E*	
PR #2 - Provide controls for fire/smoke dampers and exhaust fans.	Initiated by:	3	$16,037.00
	Result of:	B	
PR #3 - Replace existing floor drains - east wing only.	Initiated by:	4	$3,434.00
	Result of:	D	
PR #4 - Provide additional CMU walls to cover exposed piping - east wing only.	Initiated by:	4	$6,662.00
	Result of:	C	
PR #5 - Reroute exhaust ductwork - east wing only.	Initiated by:	4	$360.00
	Result of:	D	
PR #6 - Provide drop-in sinks in vanity tops.	Initiated by:	4	$2,774.00
	Result of:	B	
PR #7 - Provide flashing trim to accommodate shower pans.	Initiated by:	4	$9,440.00
	Result of:	B	
		Subtotal from continuations sheets	$17,148.00

Legend: Initiated by: Architect/Engineer = 1 Agency = 2 DFM = 3 Contractor = 4
Result of: Design Error = A Design Omission = B Change in Scope/Program = C Result of Field Conditions = D Other (explain) = E

The Original Contract Sum was	$	1,610,000.00
Net change by previous Change Orders	$	-
The Contract Sum prior to this Change Order was	$	1,610,000.00
The Contract Sum will be ☑ Increased ☐ Decreased ☐ Unchanged by ths Change Order	$	58,442.00
The New Contract Sum including this Change Order will be	$	1,668,442.00
The Contract time will be ☐ Increased ☐ Decreased ☑ Unchanged	0	Days
The Date of Completion as of the date of this Change Order therefore is ~~August 13, 2010~~ (Phase 1), August 12, 2011 (Phase 2)		

APPROVALS

Contractor Name and Address
Paul-Wertenberger Construction
1102 East 8th Street
Hays, Kansas 67601

Head of State Agency Signature — Date: 9/2/10

Contractor's Signature — Date: 8-30-10

Director of Facilities Management Signature — Date: 9-8-10

Project Architect/Engineer Signature — Date: 8.27.10

H11187

Director of Accounts and Reports Signature — Date: 9/13/10

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FPDC form 461
Revised January 1, 2009

CONTRACT CHANGE ORDER CONTINUATION SHEET

Project Title:	McMindes Hall Toilet-Bath Improvements	Project No.:	A-011289
Agency:	Fort Hays State University	Date:	27-Aug-10
Institution & Location:	Hays, Kansas	Change Order No.	One (1)
Building Number:	24600-00325	Net Amount of Change:	$ 17,148.00

A Brief Description of the Work The following shall be provided subject to the requirements of the Contract and Bond already executed the same as if herein repeated. Furnish all labor, materials, tools and equipment & transportation required to complete the following item(s) of work. Use continuation sheet if necessary & attach all back-up documentation.	Request Info Use Legend Below (Required for Approval)		Amount
PR #8 - Delete shower entrance curbs	Initiated by:	4	($16,778.00)
	Result of:	D	
PR #9 - Replace additional sanitary piping in the 1st floor crawl space and repipe mop sinks on the 2nd, 3rd, 4th and 5th floors - east wing only. Insulate the roof drain on the 6th floor - east wing only.	Initiated by:	4	$ 10,428.00
	Result of:	D	
PR #10 - Repair damaged concealed conduits - east wing only.	Initiated by:	4	$ 642.00
	Result of:	D	
PR #11 -Replace mop sinks and associated piping.	Initiated by:	2	$ 3,509.00
	Result of:	C	
PR #12 - Change fire dampers, add access doors, and make filler panels - east wing only.	Initiated by:	4	$ 15,262.00
	Result of:	D	
PR #13 - Additional painting and vinyl base repair - east wing only.	Initiated by:	2	$ 784.00
	Result of:	C	
PR #14 - Replace light fixtures in ADA bathrooms.	Initiated by:	4	$ 1,386.00
	Result of:	A	
PR #15 - Install removeable thresholds at ADA showers - east wing only.	Initiated by:	2	$ 1,915.00
	Result of:	C	
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
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	Result of:		
	Initiated by:		
	Result of:		
	Initiated by:		
	Result of:		

20-17

Division of Facilities Management
Facilities Planning, Design and Construction
Change Order Approvals
Change Orders Approved between 09/01/2010 and 09/30/2010

A-010333(A)

K-STATE PARKING STRUCTURE IRRIGATION & TOPSOIL
KANSAS STATE UNIVERSITY
BLUEVILLE NURSERY, INC.,
Change Order No. 6 - Install landscape plantings and mulch for 2 west shrub beds, irrigation piping at west bike rack and drainage/grading work at southwest end of site.

Contract Completion Date:	
Days added by Change Order:	103
Current Contract Completion Date:	10/6/2009
Amount this C.O.	$12,203.00
Original Contract:	$139,780.00
Net Total C.O.s:	$71,238.50
Total Contract:	$211,018.50

K-STATE PARKING STRUCTURE IRRIGATION & TOPSOIL
KANSAS STATE UNIVERSITY
BLUEVILLE NURSERY, INC.,
Change Order No. 7 - Install drainage improvements at north plaza.

Contract Completion Date:	
Days added by Change Order:	0
Current Contract Completion Date:	10/6/2009
Amount this C.O.	$20,007.86
Original Contract:	$139,780.00
Net Total C.O.s:	$91,246.36
Total Contract:	$231,026.36

A-010425

**JARDINE APARTMENTS BUILDING 5 TENANT FINISH
KANSAS STATE UNIVERSITY
FIRST MANAGEMENT, INC.,
Change Order No. 7 - Add HVAC fire dampers in Dry Storage Rm; TV's, mounting & digital software; install Glastender system; add'l food warmer in Kitchen; misc additions required for existing conditions; add'l light above soda machine in Kitchen.

Contract Completion Date:	
Days added by Change Order:	0
Current Contract Completion Date:	4/10/2010
Amount this C.O.	$69,877.90
Original Contract:	$1,457,000.00
Net Total C.O.s:	$138,787.65
Total Contract:	$1,595,787.65

A-010538

KDOT SUBAREA SHOP K-4 & HIGHWAY 40
DEPARTMENT OF TRANSPORTATION
SHIRLEY CONSTRUCTION, INC.,
Change Order No. 2 - Credit for Allowance #1 not used in project.

Contract Completion Date:	
Days added by Change Order:	0
Current Contract Completion Date:	5/6/2010
Amount this C.O.	$2.00
Original Contract:	$1,566,065.00
Net Total C.O.s:	$2.00
Total Contract:	$1,566,067.00

2018

A-010662REV

CENTER FOR CHILD DEVELOPMENT
KANSAS STATE UNIVERSITY
FIRST MANAGEMENT, INC.,
Change Order No. 6 - Wood sills in classrooms, vinyl faced tile in Kitchen; add gutter at E. curtain wall; add siding for attic stock; Builder's Risk insurance extension; gas line tap overtime work.

Contract Completion Date:	
Days added by Change Order:	0
Current Contract Completion Date:	7/26/2010
Amount this C.O.	$16,483.40
Original Contract:	$3,539,997.00
Net Total C.O.s:	$89,488.27
Total Contract:	$3,629,485.27

A-010700

12.5KV DISTRIBUTION SYSTEM MODIFICATIONS
KANSAS STATE UNIVERSITY
TORGESON ELECTRIC COMPANY,
Change Order No. 8 - Additional radial feed from west loop required for Pat Roberts Hall.

Contract Completion Date:	
Days added by Change Order:	30
Current Contract Completion Date:	12/18/2009
Amount this C.O.	$96,311.00
Original Contract:	$1,135,000.00
Net Total C.O.s:	$1,143,619.00
Total Contract:	$2,278,619.00

A-010770

REMODEL HICKORY COTTAGE
PARSONS STATE HOSPITAL & TRAINING CTR
DALRYMPLE CONSTR. CO., INC.,
Change Order No. 1 - Refurbish electrical panelboard: Install new interior buses and circuit breakers and refeed panel.

Contract Completion Date:	
Days added by Change Order:	20
Current Contract Completion Date:	
Amount this C.O.	$5,550.83
Original Contract:	$697,966.00
Net Total C.O.s:	$5,550.83
Total Contract:	$703,516.83

REMODEL HICKORY COTTAGE
PARSONS STATE HOSPITAL & TRAINING CTR
DALRYMPLE CONSTR. CO., INC.,
Change Order No. 2 - Refer to Change Order No. 2 for complete description of work.

Contract Completion Date:	
Days added by Change Order:	40
Current Contract Completion Date:	
Amount this C.O.	$45,111.80
Original Contract:	$697,966.00
Net Total C.O.s:	$50,662.63
Total Contract:	$748,628.63

A-010807

NEW STUDENT HOUSING
PITTSBURG STATE UNIVERSITY
R. E. SMITH CONSTRUCTION CO.,
Change Order No. 4 - End vent modifications; metal trim at block to precast; core drill planter weeps; add conduit for future sign; add asphalt to existing parking lot; sod at all locations; delete door chains.

Contract Completion Date:	
Days added by Change Order:	2
Current Contract Completion Date:	
Amount this C.O.	$53,593.00
Original Contract:	$8,290,689.00
Net Total C.O.s:	$286,184.76
Total Contract:	$8,576,873.76

A-010808(A)

**TROUT HALL RENOVATIONS
PITTSBURG STATE UNIVERSITY
CROSSLAND CONSTRUCTION CO., INC.,
Change Order No. 1 - Bowen Hall: Detection system additions. Trout Hall: Bathroom lighting; safety improvements to stairwell and fireplace hearth modifications; omit fan coil unit relocation in Laundry Room.

Contract Completion Date:	
Days added by Change Order:	0
Current Contract Completion Date:	7/30/2010
Amount this C.O.	$23,102.00
Original Contract:	$840,300.00
Net Total C.O.s:	$23,102.00
Total Contract:	$863,402.00

A-010846

**ENGINEERING BUILDING HVAC RENOVATION
WICHITA STATE UNIVERSITY
CARO CONSTRUCTION CO., INC.,
Change Order No. 3 - Add'l labor to install control valve; add'l excav/removal to trench new hydronic pipe and add'l rework; change ceiling grid & tiles to accommodate projectors in Rms 102/122/202/204 & 211; electrical rework.

Contract Completion Date:	
Days added by Change Order:	0
Current Contract Completion Date:	6/7/2010
Amount this C.O.	$15,875.00
Original Contract:	$951,056.00
Net Total C.O.s:	$168,040.25
Total Contract:	$1,119,096.25

A-010908

CAMPUS EXTERIOR LIGHTING UPGRADES
WICHITA STATE UNIVERSITY
WICHITA ELECTRIC CO., INC.,
Change Order No. 3 - Remove 24 abandoned concrete light pole bases.

Contract Completion Date:	
Days added by Change Order:	62
Current Contract Completion Date:	
Amount this C.O.	$4,800.00
Original Contract:	$262,740.00
Net Total C.O.s:	$82,763.80
Total Contract:	$345,503.80

A-011156

**SOCCER FACILITY
FORT HAYS STATE UNIVERSITY
THE KONRATH GROUP,
Change Order No. 3 - Coat posts of ball-net system with black PVC; add lockers in Locker Rm; various gate adjustments; increase size of stone caps for bollards to 30 inches square.

Contract Completion Date:	
Days added by Change Order:	0
Current Contract Completion Date:	6/30/2011
Amount this C.O.	$10,236.00
Original Contract:	$2,083,900.00
Net Total C.O.s:	$39,402.00
Total Contract:	$2,123,302.00

A-011211

**RARICK HALL ROOF REPLACEMENT
FORT HAYS STATE UNIVERSITY
HIGH PLAINS ROOFING, INC.,
Change Order No. 2 - Provide auxiliary piece of prefinished skirt metal and new "dark bronze" counterflashing (surface mount) at perimeter of Penthouse.

Contract Completion Date:	
Days added by Change Order:	43
Current Contract Completion Date:	7/18/2010
Amount this C.O.	$1,520.00
Original Contract:	$392,140.00
Net Total C.O.s:	$12,008.00
Total Contract:	$404,148.00

A-011289

**MCMINDES HALL TOILET- BATH IMPROVEMENTS
FORT HAYS STATE UNIVERSITY
PAUL - WERTENBERGER CONSTR., INC.,
Change Order No. 1 - Refer to Change Order No. 1 for complete description of work.

Contract Completion Date:	
Days added by Change Order:	0
Current Contract Completion Date:	8/12/2011
Amount this C.O.	$58,442.00
Original Contract:	$1,610,000.00
Net Total C.O.s:	$58,442.00
Total Contract:	$1,668,442.00

Amended Change Order Report

A-010889

Kansas Bioscience Authority Venture Accelerator
Kansas Bioscience Authority
Excel Constructors
Updated - Change Orders 4 thorough 9

Change Order No. 4 (5/21/2010) – Add'l. concrete foundation wall and waterproofing; partition changes to accommodate furniture; add'l. conduit for security cameras.

Contract Completion Date	2/25/2011
Days added by Change Order	0
Current Contract Completion Date	2/25/2011
Amount this C.O.	$14,823.00
Original Contract	$10,631,200.00
Net Total C.O's	(-$11,612.00)
Total Contract	$10,619,588.00

Change Order No. 5 (6/24/2010) – Seal exterior concrete; add'l conduit for Conference room touch screen.

Contract Completion Date	2/25/2011
Days added by Change Order	0
Current Contract Completion Date	2/25/2011
Amount this C.O.	$2,807.00
Original Contract	$10,631,200.00
Net Total C.O's	(-$8,805.00)
Total Contract	$10,622,395.00

Change Order No. 6 (7/31/2010) – Add'l site lighting and add'l electrical for voice, data and power; fire alarm changes; mailbox changes; add and install water hammer arrestors: add'l toilet fixtures; minor changes to floor finish; add motion sensor; change to casework countertops.

Contract Completion Date	2/25/2011
Days added by Change Order	0
Current Contract Completion Date	2/25/2011
Amount this C.O.	$22,869.00
Original Contract	$10,631,200.00
Net Total C.O's	$14,064.00
Total Contract	$10,645,264.00

Change Order No. 7 (8/30/2010) – Add'l conduit, wiremold and reconfigure conduit layout for previously scheduled perimeter Lab outlets.

Contract Completion Date	2/25/2011
Days added by Change Order	0
Current Contract Completion Date	2/25/2011
Amount this C.O.	$49,882.00
Original Contract	$10,631,200.00
Net Total C.O's	$63,996.00
Total Contract	$10,695,146.00

Change Order No. 8 (8/30/2010) – Revise M/E/P work in Mechanical room 190; change floor sinks to 4" deep; revise stainless steel panels at Conference room roof; provide 42" coat racks and hangers.

Contract Completion Date	2/25/2011
Days added by Change Order	0
Current Contract Completion Date	2/25/2011
Amount this C.O.	$34,060.00
Original Contract	$10,631,200.00
Net Total C.O's	$98,006.00
Total Contract	$10,729,206.00

Change Order No. 9 (9/23/2010) – electrical power for motorized shades; raise roof curb for intake hood; add electrical for disposal; add chase for RO water line; modify generator frame for controls access; relocate two FTU's from under the Conference room; add bracket for boiler flue.

Contract Completion Date	2/25/2011
Days added by Change Order	0
Current Contract Completion Date	2/25/2011
Amount this C.O.	$11,874.00
Original Contract	$10,631,200.00
Net Total C.O's	$109,880.00
Total Contract	$10,741,080.00

KANSAS
DEPARTMENT OF ADMINISTRATION

Mark Parkinson, Governor
Marilyn Jacobson, Director

http://da.ks.gov/fm

November 1, 2010

The Honorable Dwayne Umbarger, Chairperson
Joint Committee on State Building Construction
c/o Audrey A. Dunkel, Senior Fiscal Analyst
Legislative Research Department
68-W, State Capitol Building
Topeka, Kansas 66612

RE: Report of change orders for and status of State construction projects

Dear Chairperson Umbarger:

Pursuant to K.S.A. 75-1264 as amended, I am reporting to the Joint Committee on State Building Construction as to change orders of less than $125,000 which have been approved by this office. The enclosed documents reflect change orders which occurred during the month of October 2010, and the current status of major projects under construction.

Should any questions arise concerning this matter, please feel free to contact me at 296-0749.

Sincerely yours,

Randy Riveland, Deputy Director
Design, Construction and Compliance

RR:sk
Encl.

pc:
Senator Pat Apple
Senator Jay Emler
Senator Marci Francisco
Senator Laura Kelly
Representative Steve Brunk
Representative Bill Feuerborn
Representative Robert Grant
Representative Mitch Holmes
Representative Jo Ann Pottorff
Secretary of Administration Duane A. Goossen
James Wilson, Office of Revisor of Statutes
Matt Sterling, Office of Revisor of Statutes
Brendan Yorkey, Division of the Budget
Audrey A. Dunkel, Legislative Research Dept.

DIVISION OF FINANCE AND FACILITIES MANAGEMENT
900 SW Jackson, Room 600-N, Topeka, KS 66612-1220 • (785) 296-2113 • Fax: (785) 296-3456
e-mail: marilyn.jacobson@da.ks.gov

Attachment 21
JCSBC 11-10-10

Division of Facilities Management
Facilities Planning, Design and Construction
Change Order Approvals

Change Orders Approved between 10/01/2010 and 10/31/2010

A-010737REV

**STEAM DISTRIBUTION PIPING REPLACEMENT
KANSAS STATE UNIVERSITY
THE WALDINGER CORPORATION
Change Order No. 3 - Encase and fireproof fuel oil lines; raise existing manhole at West Stadium.

Contract Completion Date:	
Days added by Change Order:	73
Current Contract Completion Date:	8/7/2010
Amount this C.O.	$8,490.00
Original Contract:	$2,118,100.00
Net Total C.O.s:	$90,381.00
Total Contract:	$2,208,481.00

A-010856

**STRONG HALL WEST WING REROOF AND PARAPET REPAIR
UNIVERSITY OF KANSAS
BOB FRAZIER ROOFING CO., INC.
Change Order No. 3 - Remove and replace sawtooth skylight membrane with .060 mil EPDM.

Contract Completion Date:	9/9/2010
Days added by Change Order:	0
Current Contract Completion Date:	
Amount this C.O.	$6,200.00
Original Contract:	$110,625.00
Net Total C.O.s:	($5,103.00)
Total Contract:	$105,522.00

A-010945(a)

DECENTRALIZATION OF FACILITY HEATING - PHASE II
WINFIELD CORRECTIONAL FACILITY
AMERICAN MECHANICAL, INC.
Change Order No. 1 - A new condensing unit is on order to replace the one damaged by a hail storm prior to installation. The new unit will arrive after the contract completion date, therefore 35 days have been added to the contract to adjust for the delay.

Contract Completion Date:	
Days added by Change Order:	35
Current Contract Completion Date:	10/15/2010
Amount this C.O.	$0.00
Original Contract:	$458,160.00
Net Total C.O.s:	$0.00
Total Contract:	$458,160.00

A-011004

**EASTMAN BUILDING REROOF
DEPARTMENT OF LABOR
BOB FRAZIER ROOFING CO., INC.
Change Order No. 1 - Additional labor expense for working around vertical aluminum louvers maintained in place by the curtainwall renovation contractor.

Contract Completion Date:	
Days added by Change Order:	0
Current Contract Completion Date:	10/19/2010
Amount this C.O.	$4,800.00
Original Contract:	$147,440.00
Net Total C.O.s:	$4,800.00
Total Contract:	$152,240.00

A-011033

MARLATT HALL WINDOW REPLACEMENT
KANSAS STATE UNIVERSITY
J & M CONTRACTING, INC.
Change Order No. 3 - Install aluminum trim.

Contract Completion Date:	
Days added by Change Order:	0
Current Contract Completion Date:	7/31/2009
Amount this C.O.	$7,510.80
Original Contract:	$475,000.00
Net Total C.O.s:	$38,377.16
Total Contract:	$513,377.16

A-011107

SMISSMAN RESEARCH LABS RENOVATE LABS B51, B52 AND B53
UNIVERSITY OF KANSAS
RMT CONSTRUCTION COMPANY, INC.
Change Order No. 6 - Move stored casework; install 6" base in corridor.

Contract Completion Date:	8/2/2010
Days added by Change Order:	0
Current Contract Completion Date:	
Amount this C.O.	$2,665.00
Original Contract:	$243,900.00
Net Total C.O.s:	$20,086.00
Total Contract:	$263,986.00

A-011173

**ROBINSON CENTER TUCKPOINTING, CLEANING AND SEALING
UNIVERSITY OF KANSAS
MID-CONTINENTAL RESTORATION CO.
Change Order No. 2 - Deduct for landscape repairs.

Contract Completion Date:	6/2/2010
Days added by Change Order:	0
Current Contract Completion Date:	
Amount this C.O.	($300.00)
Original Contract:	$84,126.00
Net Total C.O.s:	$8,269.00
Total Contract:	$92,395.00

A-011174(A)

** KU CLINICAL RESEARCH CENTER TENANT IN FILL DEMOLITION
UNIVERSITY OF KANSAS MEDICAL CENTER
THE KONRATH GROUP
Change Order No. 1 - Contractor contacted electrician to reset and test main breaker and remaining systems on 120/208 distribution panel and silence fire alarm panel trouble.

Contract Completion Date:	
Days added by Change Order:	0
Current Contract Completion Date:	9/10/2010
Amount this C.O.	$201.59
Original Contract:	$156,000.00
Net Total C.O.s:	$201.59
Total Contract:	$156,201.59

A-011190

**SCIENCE HALL BREUKELMAN FUME HOODS
EMPORIA STATE UNIVERSITY
MCELROY'S, INC.
Change Order No. 3 - Modify Cram Hall natural gas service including a new emergency shutoff valve to isolate Cram Hall and portions of Breukelman Hall.

Contract Completion Date:	8/2/2010
Days added by Change Order:	0
Current Contract Completion Date:	8/2/2010
Amount this C.O.	$11,701.00
Original Contract:	$244,162.00
Net Total C.O.s:	$26,597.00
Total Contract:	$270,759.00

A-011207

REROOF CENTER SECTION OF A BUILDING
RAINBOW MENTAL HEALTH FACILITY
BOB FRAZIER ROOFING CO., INC.
Change Order No. 1 - Install taper tile insulation and partial temporary roof; replace existing expansion joint on lower south roof.

Contract Completion Date:	
Days added by Change Order:	0
Current Contract Completion Date:	12/6/2010
Amount this C.O.	$19,569.00
Original Contract:	$35,000.00
Net Total C.O.s:	$19,569.00
Total Contract:	$54,569.00

A-011219

**KELCE HALL HVAC, ELECTRICAL & FIRE SAFETY MODIFICATIONS
PITTSBURG STATE UNIVERSITY
HOME CENTER CONSTRUCTION, INC.
Change Order No. 2 - New door/frame-E. wall & additional drywall above ceiling to deck; replace door at stairs on E. end, increase fence height; add remote generator push-button cover; add furring around condensate drain lines-E. offices.

Contract Completion Date:	
Days added by Change Order:	0
Current Contract Completion Date:	11/8/2010
Amount this C.O.	$3,995.70
Original Contract:	$315,500.00
Net Total C.O.s:	$3,995.70
Total Contract:	$319,495.70

A-011274

**JAYHAWKER TOWERS APARTMENTS TOWER D RENOVATION
UNIVERSITY OF KANSAS
CHAMPION BUILDERS, LLC
Change Order No. 4 - Refer to Change Order No. 4 for complete description of work.

Contract Completion Date:	
Days added by Change Order:	0
Current Contract Completion Date:	
Amount this C.O.	$15,035.00
Original Contract:	$4,024,000.00
Net Total C.O.s:	$240,804.00
Total Contract:	$4,264,804.00

A-011286

**ROOSEVELT SCHOOL HVAC RENOVATION
EMPORIA STATE UNIVERSITY
MODERN AIR CONDITIONING, INC.
Change Order No. 2 - Provide temporary fire wall construction with door; add ground bar at 4 electrical panels.

Contract Completion Date:	
Days added by Change Order:	0
Current Contract Completion Date:	8/6/2010
Amount this C.O.	$2,307.79
Original Contract:	$157,200.00
Net Total C.O.s:	$49,944.86
Total Contract:	$207,144.86

A-011304

**GRUBBS HALL RENOVATION
PITTSBURG STATE UNIVERSITY
GENERAL SERVICE CORPORATION
Change Order No. 1 - Refer to Change Order No. 1 for complete description of work.

Contract Completion Date:	
Days added by Change Order:	0
Current Contract Completion Date:	8/6/2010
Amount this C.O.	$26,844.47
Original Contract:	$356,400.00
Net Total C.O.s:	$26,844.47
Total Contract:	$383,244.47

A-011339

**AGNEW HALL RAZE BUILDING
FORT HAYS STATE UNIVERSITY
G & G DOZER, LLC
Change Order No. 1 - Demolition Contractor's compensation for copper removed inadvertently by University personnel; deduct for ornamental handrails demo'd/disposed of but not delivered to Owner as spec'd; repl cost for bldg sign damaged by Contractor.

Contract Completion Date:	9/15/2010
Days added by Change Order:	0
Current Contract Completion Date:	9/3/2010
Amount this C.O.	$5,172.00
Original Contract:	$168,700.00
Net Total C.O.s:	$5,172.00
Total Contract:	$173,872.00

A-011417

THROCKMORTON HALL DAIRY BARN REROOF REPLACEMENT
KANSAS STATE UNIVERSITY
RON FOWLES CONSTRUCTION
Change Order No. 1 - Test, remove and dispose of lead based paint per Unit Price No. 6.

Contract Completion Date:	
Days added by Change Order:	0
Current Contract Completion Date:	1/24/2011
Amount this C.O.	$18,000.00
Original Contract:	$368,000.00
Net Total C.O.s:	$18,000.00
Total Contract:	$386,000.00

SUMMARY OF CONSTRUCTION PROJECTS
October 1, 2010 – October 31, 2010

ADJUTANT GENERAL'S DEPARTMENT

Olathe Armory Rehabilitation, A-9613
Single Contract - $664,522.00; Dalrymple Construction, Overland Park, Kansas - Contractor
Inspection and construction administration by Slemmons Associates, Architects, P.A.
Notice to Proceed September 27, 2007; original completion date May 27, 2008.

Dalrymple Construction filed a Petition in Johnson County for recovery of withheld funds and damages. Legal proceedings in progress.

Salina Crisis City, Smoky Hill Weapons Range, A-010676
Design Build Contract - $5,043,761.00; Gracon Corporation, Loveland, Colorado - Contractor
Inspection and construction administration by Tevis Architects.
Notice to Proceed July 15, 2008; completion date extended to October 4, 2009.

Construction on the project has been completed. Closeout documents have not been submitted.

Field Maintenance Shop No. 9 Work Bay Renovations, A-011245
Single Contract - $406,000.00; Kelley Construction, Topeka, Kansas - Contractor
Inspection and construction administration by HTK Architects.
Notice to Proceed February 1, 2010; completion date July 7, 2010.

The project is substantially complete.

AASF #2 Taxiway and Parking, Salina, A-011311
Single Contract - $1,879,574.63; Pavers, Inc., Salina, Kansas - Contractor
Inspection and construction administration by HWS Consulting Group.
Notice to Proceed September 27, 2010; completion date April 30, 2011.

The Contractor has mobilized on site and started demolition and site clearing.

CORRECTIONS, DEPT. OF

El Dorado Correctional Facility, D & E Cellhouses, Metal Roof Retrofit, A-011096(a)
Single Contract - $390,110.00; Centurion Industries dba A-Lert Roof Systems Div., Kansas - Contractor
Inspection and construction administration by Kevin Morgan, Kansas Department of Corrections.
Notice to Proceed May 26, 2009; completion date October 17, 2010.

All Cellhouse roofing projects are complete.

KA. .AS BIOSCIENCE AUTHORITY

Kansas Bioscience Park Venture Accelerator, Olathe, Kansas, A-010889
Single Contract - $10,741,080.00; Excel Constructors, Overland Park, Kansas - Contractor
Inspection and construction administration by PGAV Architects.
Notice to Proceed December 1, 2009; completion date February 25, 2011.

The mechanical equipment roof deck caught on fire October 8th. Fire and smoke damaged the water and ice shield, sheathing, roofing, and insulation. Water infiltrated into the Mechanical Room below and into the air handling unit damaging the heat recovery wheel. Measures have been taken to dry out the interior of the unit. The Architect and Structural Engineer have inspected the damaged areas and have or will make written reports regarding the damage and remediation. The Contractor has removed damaged sheathing and roofing materials and has taken measures to protect from rain. The Contractor's insurance adjustor has been on site along with a fire and smoke remediation contractor. A remediation plan will be formulated and remediation will take place as soon as possible. Installation of flashings, stainless steel soffit panels and trim has started. Ductwork, piping, electrical, and fire sprinkler are continuing on both levels. The parking lot curb/gutter and drives have been poured. The first pour of pervious pavement has been placed. The south stone retaining wall has been placed and work on the north retaining wall is in progress.

REGENTS, BOARD OF

EMPORIA STATE UNIVERSITY

Memorial Union Remodel and Addition – Phase 1, A-010897
Single Contract - $15,964,497.00; Ferrell Construction, Topeka, Kansas - Constr. Mgmt. At-Risk (CMAR)
Inspection and construction administration by Treanor Architects.
Completion date is March 1, 2012.

Foundations at the east addition have been completed and structural steel erection is in progress along with masonry. In the existing building partition framing and M.E.P. rough-in are continuing within areas that have been cleared of demolition.

FORT HAYS STATE UNIVERSITY

Soccer Facility, A-011156
Single Contract - $2,083,900.00; Konrath Group LTD, Kansas City, Missouri - Contractor
Inspection and construction administration by Olsson Associates.
Notice to Proceed written July 19, 2010; completion date June 30, 2011.

On-site utility work is continuing along with under field drainage at the soccer field. Framing, interior M.E.P. rough-in and sheathing for Buildings "B" and "C" are in progress.

Switchgear Building, Medium Voltage Power Distribution System Improvements, A-011292
Single Contract - $509,895.00; Paul-Wertenberger Construction, Inc., Hays, Kansas - Contractor
Inspection and construction administration by Morrow Engineering, Inc.
Notice to Proceed October 27, 2010; completion date March 16, 2011.

K AS STATE UNIVERSITY

Steam Distribution Piping Replacement, A-010737 Revised
Single Contract - $2,118,100.00; The Waldinger Corporation, Wichita, Kansas - Contractor
Inspection and construction administration by Smith & Boucher Consulting Engineers.
Notice to Proceed April 2, 2010; completion date August 7, 2010.

Project completion extended again to November to accommodate University steam shutdown coordination.

Center for Child Development, A-010662 Revised
Single Contract - $3,539,997; First Management, Lawrence, Kansas - Contractor
Inspection and construction administration by Gould Evans Associates.
Notice to Proceed June 22, 2009; completion date September 16, 2010.

A punch list walk through has been conducted and the building is "Substantially Complete." The Owner has started moving in and the Contractor is working on punch list items.

12.5 KV Distribution System Modifications, A-010700
Single Contract - $1,135,000.00; Torgeson Electric Topeka, Kansas - Contractor
Inspection and construction administration by Morrow Engineering, Inc.
Notice to Proceed April 22, 2009; completion date extended to October 12, 2010.

Main Campus project has been completed. Project has been extended to modify the BRI electrical service to accommodate their requirements. Project deadline will be extended to November to accommodate the work.

Peters Student Recreation Center Expansion, A-011021
Single Contract - $16,661,400.00; McPherson Contractors, Inc., Topeka, Kansas - Contractor
Inspection and construction by HTK Architects.
Notice to Proceed July 28, 2010; completion date December 16, 2011.

The Contractor has completed site clearing at the Phase 1 addition and started placement of driven piles and some site utility work.

PITTSBURG STATE UNIVERSITY

Student Health Center, A-010243
Single Contract - $2,271,743.00; Crossland Construction, Columbus - Contractor
Inspection and construction administration by Anderson-MacAdam Architects, Inc.
Notice to Proceed October 27, 2008; completion date July 1, 2009.

Waiting on as-built drawings.

New Student Housing, A-010807
Single Contract - $8,290,689.00; R. E. Smith Construction Company, Inc., Joplin, Missouri - Contractor
Inspection and construction administration by Horst, Terrill & Karst Architects.
Notice to Proceed July 13, 2009; completion date extended to August 4, 2010.

Substantial completion on all buildings. Liquidation damages are being assessed.

Bowen Hall Renovation, A-010808
Single Contract - $879,800.00; Crossland Construction Company, Inc., Columbus, Kansas - Contractor
Inspection and construction administration by Anderson MacAdam Architects, Inc.
Notice to Proceed May 4, 2009; completion date August 7, 2009.

Work is complete. Waiting on as-built drawings.

Porter Hall Renovation – Deferred Maintenance – Phase 1, A-010925(a)
Single Contract - $803,450.00; Crossland Construction Co., Inc., Columbus, Kansas - Contractor
Inspection and construction administration by Helix Architecture.
Notice to Proceed April 22, 2010; completion date August 7, 2010.

The project has been completed; waiting on closeout documents.

UNIVERSITY OF KANSAS

Kansas Law Enforcement Training Center, Phase II, A-010407
Single Contract - $2,459,800.00; The Law Company, Wichita, Kansas - Contractor
Inspection and construction administration by Treanor Architects, P.A.
Notice to Proceed July 9, 2009; completion date April 7, 2010.

The Contract has been completed. Closeout documents have not been submitted.

Kansas Law Enforcement Training Center, Phase II, A-010407(a)
Single Contract - $1,084,800.00; Regier Construction, Newton, Kansas - Contractor
Inspection and construction administration by Treanor Architects, P.A.
Notice to Proceed July 13, 2009; completion date February 11, 2010.

The Contract has been completed. Closeout documents have not been submitted.

School of Pharmacy, A-010933
Multiple Contracts - $32,577,727.00 (to date); J.E. Dunn Construction, Topeka, Ks. - Constr. Mgmt. At-Risk (CMAR)
Inspection and construction administration by Treanor Architects, P.A.
Notice to Proceed March 10, 2009; completion date August 2, 2010.

The project is substantially complete and the Certificate of Occupancy has been issued.

Utility Tunnel Deferred Maintenance, Phase III, A-011059
Single Contract - $826,100.00; Taylor Kelly, LLC, Kansas City, Kansas - Contractor
Inspection and construction administration by PEC, Lawrence, Kansas.
Notice to Proceed March 29, 2010; completion date extended to November 18, 2010.

All work complete except flood damage. Completion date extension change order is in process. Flood damage is still being negotiated.

ERSITY OF KANSAS MEDICAL CENTER

Wichita Campus - Pharmacy and Standardized Patient Training Addition, A-010970
Single Contract - $2,554,299.00; Walz Harman Huffman Construction, Kechi, Kansas - Contractor
Inspection and construction administration by McCluggage, Van Sickle, Perry Corporation.
Notice to Proceed October 6, 2009; completion September 15, 2010.

The project is substantially complete.

Parking Garage No. 4, A-011144
Single Contract - $6,789,500.00; Crossland Construction, Columbus, Kansas - Contractor
Inspection and construction administration by HTK Architects.
Notice to Proceed June 8, 2010; Completion date May 2, 2011.

Utility relocation has been completed, pier drilling and installation of underslab M.E.P. rough-in is in progress.

WICHITA STATE UNIVERSITY

Duerksen Fine Arts Center HVAC System Replacement, A-010718
Single Contract - $1,663,816.00; Central Air Group, Inc., Wichita, Kansas - Contractor
Inspection and construction administration by MKEC, Consulting Engineers.
Notice to Proceed April 19, 2010; completion date April 20, 2011.

Project is progressing on schedule.

SOCIAL & REHABILITATION SERVICES, DEPARTMENT OF

Laundry Building Restoration, A-011364
Single Contract - $1,045,400.00; Construction Services Bryant, Inc., Wichita, Kansas - Contractor
Inspection and construction administration by GMCN.
Notice to Proceed November 1, 2010; completion date November 1, 2011.

TRANSPORTATION, KANSAS DEPARTMENT OF

Topeka Westgate Subarea Shop, A-010538
Single Contract - $1,566,065.00; Shirley Construction, Inc., Topeka, Kansas - Contractor
Inspection and construction administration by Bruce McMillan, AIA, Architects.
Notice to Proceed July 13, 2009; completion date June 14, 2010.

The project has been completed and the Certificate of Occupancy issued.

WILDLIFE AND PARKS, DEPARTMENT OF

Lake Perry Wildlife Area, Small Office Building, A-011338
Single Contract - $104,802.00; Shirley Construction, Inc., Topeka, Kansas - Contractor
Inspection and construction administration by Luke Peterson Kaye.
Notice to Proceed October 5, 2010; completion date April 3, 2011.

The preconstruction conference has been held and the Contractor has mobilized on site and started site clearing and excavation for foundations.