1. **Infrastructure Upgrades (Electric, Sewer, and Water)** $6,000,000 Phase I of a $9,000,000 Project

   **Project Purpose:** This project is proposed to repair, replace and upgrade the University's utility infrastructure. The existing water and sewer infrastructure has been in operation since the 1950's. The electrical and gas infrastructure have been in operation since the 1960's. Much of the mechanical equipment has become unreliable.

   **Project Justification:** The purpose of this project is to meet Alcorn State University's long and short range goals. Mapping of the system and upgrades are essential to providing a quality teaching and learning environment. Failure of either of these systems could jeopardize the health and safety of our campus community and could cause the university to temporarily close its operations.

2. **General R & R** $6,000,000
   Phase I of a $11,000,000 Project

   **Project Purpose:** The project will consist of roofing repairs and replacement, ADA modifications, expansion of the safety and security system, interior renovations, HVAC system repairs, energy management upgrades, and removal of hazardous materials.

   **Project Justification:** This project is urgently needed not only to preserve the structural integrity of these buildings, but also to bring the facilities up to standards that are in keeping with modern teaching requirements.

3. **Waste Water Treatment Plant Repairs** $1,500,000
   Phase 1 of a $3,000,000 Project

   **Project Purpose:** The waste water treatment facility is approximately 6 years old but has already begun to show signs of structural deterioration.

   **Project Justification:** Insuring this system is well maintained is critical to the health and function of the University community, as well as to enable the University to stay within compliance with the MS Dept of Environmental Quality Discharge Permit. Failure to comply could result in the temporary closure of the University.
4. **Campus Security Project**  
   $7,500,000

   **Project Purpose:** This project includes general landscaping, open space development, property acquisition, security camera installation, installation of card access system, addition of emergency blue light, and upgrades to street lighting.

   **Project Justification:** The purpose of this project is to meet Alcorn State University's long and short range goals and to improve campus security therefore providing a safer environment for students, faculty, staff and university visitors.

5. **Whitney Renovations Phase II**  
   $12,000,000

   **Project Purpose:** This project provides for renovation of the University's Health and Physical Education classroom facility.

   **Project Justification:** As a fall-out shelter and an emergency evacuation shelter, the Whitney facility requires renovation to better protect and serve students, employees and the public. These facilities have not been significantly updated since the original construction in 1974. Pre-planning design documents have been completed to the design development phase (30%). The project scope includes waterproofing the building's exterior, renovation of interior finishes, windows, doors, roof replacement, installation of an energy management system, upgrading light fixtures, ADA, safety, and security modifications, accreditation issues, electrical, and mechanical modifications.
Delta State University

1. Renovation of Caylor-White/Walters Hall Phase IV (Science/Math Building) Phase 4 of a $20,300,000 Project $10,034,170

Project Purpose: This project was established based upon a phased funding approach; Phase I addressed planning, Phase II will address construction of the laboratory/classroom shell, Phase III will complete construction of the shell making it functional for use and Phase IV will complete the remaining existing building renovation. Currently, Phase II construction is underway and has been funded with a previous total appropriation of $4,750,000.00. This year's 2012 request will address the Phase IV Renovation to Caylor-White/Walters Hall and will complete renovation of the existing building which includes: classrooms, new science and math faculty office suites, a new math department, new lecture rooms, new physics laboratories with prep rooms and installation of sprinkler systems/fire alarms for all existing areas to be renovated in this final phase. The existing auditoriums will be renovated to meet ADA compliance and will include both new furnishings and equipment. This final phase will also include an addition to and renovation of the entrance to allow for a walk thru gallery exhibiting school research and scientific achievements. Students and faculty continue to occupy the facility and will follow a series of transitions within the building as various phases are brought to completion.

Project Justification: Caylor-White/Walters Hall was constructed in the 1970’s and has had no major repair or renovation since the construction. The existing building does not meet current life safety codes or the International Building Code because Caylor does not have a fire alarm system and Walter Hall’s fire alarm system does not work. The existing mechanical system does not have the ability to provide 100% once through air ventilation required for labs. 75% of the existing laboratories cannot provide the necessary student instruction to meet the science curriculum because of the risk of personal exposure to hazardous materials. The building does not have any usable ADA compliant restrooms and does not have enough fixtures for the current occupant load.

2. Campus Roof Repairs Projects $2,567,800

Project Purpose: Replace roof systems and address envelop moisture intrusion issues on the Library, Chadwick-Dickson, the Dorgan Center, Sillers Chapel, Brumby/Castle Hall and Young Mauldin Cafeteria.

Project Justification: All of the buildings listed experience substantial leaks every time it rains. Justification for replacement roof systems is as follows:

1. Library - This is a EPDM roof system that has failed at the perimeter parapets.
2. Chadwick-Dickson- This is a Duralast roof that has sustained severe hail damage
3. The Dorgan Center- This is an EPDM roof system that has failed at the perimeter parapets.
4. Sillers Chapel - This is a Built-up roof that requires repairs annually
5. Brumby Castle - This is a shingled roof that has not been replaced since original construction, and requires repairs annually.
6. Young-Mauldin Cafeteria- This roof is supported by a fiber deck that has failed and is repaired annually.
3. **Campus Compliance (ADA/Life Safety/Fire Safety)** $3,000,000

**Phase 1 of a $9,000,000 Project**

**Project Purpose:** This project includes adding fire suppression systems to campus residence halls and repairing and/or replacing exterior entrances, ramps, access routes, stairs, doors, parking, sidewalk curb-cuts, and interior renovations to toilet facilities, doors, signage, hardware fixtures and etc. in selected buildings.

**Project Justification:** Fire suppression systems is a safety concern for students and faculty. This project will be an attempt to meet current life safety codes, and to address ADA compliance issues. Currently, there are places on campus that are difficult for persons with disabilities to move freely from building to building due to lack of curb cuts, inadequate ramps, and interior barriers within existing facilities.

4. **Campus Infrastructure Improvements** $5,000,000

**Project Purpose:** This project involves preparing surveys of the campus natural gas distribution system, water system, storm and sanitary sewer systems and electrical system. Currently, these systems barely meet the current campus load. The natural gas system does not have adequate valves and the lines are beginning to deteriorate. The Campus electrical system does not provide for back-feeding of buildings, and, due to its age, shuts down portions of the campus several times per year. The campus water system does not have adequate valves to make minor repairs without shutting down the entire campus. First, these surveys will be prepared, and then the university will make improvements based on the recommendations of the engineers.

**Project Justification:** This project is needed to ensure the campus infrastructure meets the needs in a safe, code compliant manner. DSU has its own gas distribution system as well as its own water system. Our maps are not up to date, and neither system has adequate valves to perform general repairs to the systems without affecting major portions of campus. The campus electrical system is showing signs of decay (frayed lines, poles that have outlived their lifespan, leaking transformers), and experiences local outages several times per year. The sanitary sewer systems experience storm water infiltration every time it rains, and the storm sewer system is inadequate to keep vehicles from flooding even during an average 5-year rainfall event.

5. **Central Mechanical Plant (Phase II)** $1,200,000

**Project Purpose:** Phase II of the Central Mechanical Plant is a continuation of a project which combines four (4) existing loops on the campus into one, more dependable cooling loop and installs a Central Mechanical Plant which houses the first of two 1250 ton chillers and cooling towers. Phase I has allowed DSU to take off-line seven (7) of the existing thirteen (13) old and inefficient chillers. Phase II includes the second 1250 ton chiller and the required cooling tower, and will replace nearly all of the older chillers on campus. In addition to adding a plate and frame, heat exchanger to maximize energy efficiency.

**Project Justification:** This project is needed to provide a more dependable, sufficient, energy efficient method of cooling the University's campus. When Phase II is completed, the campus will have taken off-line all of the older inefficient chillers and will be able to adequately meet the demands of the campus much more efficiently. Currently, one-ton of cooling is available for every 1600 square feet of building. This number will drop to a more manageable amount of one ton per 600 square feet when Phase II is completed. It will not only be much more dependable than the systems in place now, but will also be extremely energy efficient.
1. **Johnson/Dansby Replacement Phase II (Dansby Replacement) $9,000,000 – Phase 2 of a $17,500,000 Project**

   **Project Purpose:** This project consists of reconstruction of Dansby Hall to accommodate undergraduate studies complex programs. The facility will provide a much needed 500 seat theater to complement the small and large capacity theaters already on campus. The adjacent lobby space will serve students in the day as well as performances on certain evenings. The students will be provided with new classrooms as well as a fine arts museum. The 45,250 SF building will also accommodate Administrative Suites for the Dean, the Honors College and the University College. This facility will be built in a style that complements the adjacent library.

   **Project Justification:** The new construction of this building will relieve the wear and tear on the University Park Auditorium and relieve the pressure surrounding the H. T. Sampson Library Addition.

2. **College of Education and Human Development $350,000**
   **Pre-planning of a $12,000,000 Project**

   **Project Purpose:** This project is to renovate the College of Education & Human Development Building and construct a new wing on the southwest side of the building. Renovation will include adding and modifying existing walls, flooring, ceilings, mechanical HVAC, electrical service and communications/data services. New Construction will accommodate office spaces for the administrative, staff, storage area and etc.

   **Project Justification:** This building has not been totally renovated since its original construction. This project is needed to provide an adequate instructional facility for instructors/faculty, administrative, staff and students.

3. **Alexander Center Renovation $350,000**
   **Pre-planning of a $15,000,000 Project**

   **Project Purpose:** Alexander Hall is a five-story residence hall, (136,810 SF), that houses freshmen students. The building was constructed in the early 1960’s and has not been renovated since its original construction.

   **Project Justification:** Alexendar Hall is critical to the long range academic plan for Jackson State University. The areas to be renovated will include the following: replacing the mechanical and electrical systems, roof, doors, installing VCT and base, elevators, interior finishes, window treatments, and landscaping. These renovations will address all life safety issues and will provide a living environment conducive to learning.
4. General Repair & Renovation Phase II $10,000,000

**Project Purpose:** This project will also include waterproofing (tuck painting and water pressure cleaning) for the selected buildings: T. B. Ellis and H. T. Sampson Library, chill water loop, replacing boilers & cooling towers, plumbing in selected building and foundation problems within the building and campus infrastructure.

**Project Justification:** This project is urgently needed. The deteriorated state of exterior finishes of buildings is in need of cleaning and waterproofing to enhance the exterior appearance of the building and the campus. This project will assist in reducing the level of deferred maintenance items resulting from moisture damages.

5. Land Acquisition Phase V $3,000,000

**Project Purpose:** This project is to include general landscaping and open space development, property acquisition, fencing, reconstruction of parking lots, closing of streets, construction on new streets, irrigation, street furnishings, lighting and utilities.

**Project Justification:** This project is needed for expansion and to meet the University's long and short range goals. Beautification of the campus is necessary to improve the perception of Jackson State University.
Mississippi State University

1. Renovation of Lee Hall $8,700,000
   Balance of a $21,000,000 Project

   **Project Purpose:** Complete renovation of building that began with the renovation of the auditorium. Restore historic details where possible; install new HVAC systems; install new electrical, communications and lighting systems; install new fire alarm; install sprinkler system; improve administrative and support spaces; install new finishes; install new elevators; waterproof exterior masonry below grade and improve drainage systems around building. In addition, the project should include furnishings and equipment to support this renovation.

   **Project Justification:** Lee Hall, constructed in 1909, is a popular and historic facility supporting several academic departments. Creating properly designed classrooms and administrative spaces in the building will enhance even further the ability of the faculty, the administration and the students to utilize this strategically located building to the fullest. Waterproofing the foundation and improving the storm drainage around the building is needed to prevent damage to the interior finishes in the basement and above grade. A new heating ventilation and air conditioning system is required to replace window units which are damaging the historic windows. A new fire alarm and installation of a sprinkler system is needed to protect the occupants and the building. Lee Hall is a Mississippi Landmark Building and is in desperate need of renovation to preserve this historic building. Lee Hall scored a total of 22 points out a possible 100 points on the MSU Building Assessment survey. Total funds accumulated for the project, as noted below, equals $12,300,000 leaving a budget balance of $8,700,000.

2. New Classroom Building $15,000,000

   **Project Purpose:** This new classroom building is to be constructed in a central location to support general classes from all campus colleges and departments. The building is to be appropriately outfitted with modern instructional technology, lecterns, energy efficient lighting, energy management control systems, studios, small classrooms (20 seats), medium size (35 seats), large lecture halls (300 to 400 seats), etc. The facility is to be designed to adequately support the teaching requirements for future classes delivered traditionally, as technology enhanced classes, and by distance education delivery methods (students joining a traditional class remotely). The facility should be delivered so that it may be used by all campus colleges and departments.

   **Project Justification:** Mississippi State enrollment has grown significantly in the past 5 years. Our campus student population continues to increase and is projected to continue to increase at the current rate. With the current economical situation, the teaching and research resources (instructors and general classroom buildings) have not kept the pace, therefore we need more efficient and innovative classroom space, more modern and properly sized classrooms, and larger lecture halls to accommodate the smaller number of instructors who will teach the larger more general classes. We need a centralized classroom facility that can be used by many colleges for general purpose instruction. Our general and centralized classroom needs are based upon growth. At a growth rate of 5% per annum, we will reach ~22,000 Students by 2012/2013 (19,000 Starkville students). At a growth rate of 3.5% per annum, we will reach ~22,000 by 2015 (19,000 Starkville Students by 2015). Our classroom usage analysis indicates that our classroom usage is growing in two opposite directions: (1) toward large auditorium based classes and (2) toward smaller classes 35 or fewer seats. To accommodate 19,000 Starkville Campus Students, or 22,000 total MSU students, we need a minimum of 4 additional large auditoriums with 350 to 400 seats, 16 additional classrooms with 25 to 35 moveable seats, and 20 new classrooms with 20 moveable seats.
The classrooms should be constructed with high quality moveable partitions so that at least two adjoining classrooms may be combined into larger classroom(s) as needed.

3. **Civil and Environmental Engineering Complex**  $14,000,000  
Balance of a $27,617,469 Project

**Project Purpose:** Construct a new facility that will consist of 89,000 square feet to house Civil and Environmental Engineering. The facility would include much needed classrooms and faculty space. The project should also include furnishings and equipment to support the new facility. It is the intent of the University to ask for funding in the amount of $14 million dollars from the State of Mississippi and the remaining $13,618 million dollars would be through donations secured by the University.

**Project Justification:** The Civil and Environmental Engineering Complex is a new building that will replace the antiquated Walker Engineering Building. The Bagley College of Engineering is adapting its mission to position it well in the top 50 engineering schools in the United States. The complex would become a cornerstone to a growing engineering facilities quadrangle and the gateway to the University. The new complex will contain classroom facilities which can be used to benefit the entire campus and is proposed to include a large state of the art auditorium. It would provide facilities that do not currently exist in the Starkville community thereby providing an opportunity to foster expanded cooperative and supportive activities between the community and the institution. The facility has been preplanned by the University.

4. **Addition to Mitchell Memorial Library**  $6,741,718

**Project Purpose:** Construct an addition to the Mitchell Memorial Library to appropriately house the Presidential Collection/Papers of Ulysses S. Grant, 18th President of the United States, and thus provide additional and proper space needed in support of the use of these materials on behalf of teaching, research and scholarships. This addition consists of approximately 20,000 square feet and shall be constructed above the third floor of the Library's 1970 addition. The addition should be equipped with state of the art technology, designed to accommodate space for a conference room, a museum, office space and storage for additional archival and manuscript collections. The addition will be constructed according to archival standard.

**Project Justification:** Mitchell Memorial Library has gone through several additions and renovations. The library was built in 1950 to replace the library located in Harned Hall. Two additions have been made to the facility over the years. The first addition occurred in 1970 and the second on 1996. The 20,000 square foot addition requested is to the upper level of the 1970 addition. This expansion is needed to support the Presidential Collection of Ulysses S. Grant and other library resource materials. In addition the project shall include the replacement of an area of roof that is in desperate need of repair.
5. Fire Suppression, ADA Compliance, Fire Alarm Upgrades $6,900,000

Project Purpose: Place Fire Sprinkler systems in various buildings that house classrooms to protect the health, safety and welfare of students, staff and visitors. Buildings include Simrall, Patterson, Walker, Carpenter, Allen Hall, Magruder, Dorman, Herzer, IED, Giles, Memorial, Freeman, Stafford, Briscoe, Butler, Cobb, Etheredge, Moore, Clay Lyle and Hill Poultry. Place Fire Alarm Systems in various buildings that house classrooms to protect the health, safety and welfare of students, staff and visitors. Buildings include Patterson, Giles, Harned Annex, and Walker. Provide ADA access to various buildings on campus.

Project Justification: Classroom buildings need to have fire sprinkler protection to protect the health, safety and welfare of students, faculty, staff and visitors. Classroom buildings need to have upgraded fire alarm systems to protect the health, safety and welfare of students, faculty, staff and visitors. Many buildings and routes on campus are not accessible to handicap students, faculty, staff and visitors.
Mississippi State University Division of Agriculture, Forestry, and Veterinary Medicine

1. Wise Center Classroom Addition $2,700,000

Project Purpose: Construct a 10,000 gsf classroom addition near the Wise Center. The addition will consist of two 120-seat classrooms, possibly two smaller classrooms, faculty offices, restrooms and other supporting spaces. The classrooms will be equipped with the latest in audio-visual teaching technologies.

Project Justification: The classroom addition is needed because of the lack of sufficiently large classrooms and long-distance-learning equipped classrooms in the Wise Center. Both the College of Veterinary Medicine and the College of Agriculture and Life Sciences have large undergraduate classes that are projected to outgrow their current classrooms within two years. The additional offices are needed to meet the current shortage of office space for faculty and staff in the Wise Center, particularly for the Department of Animal and Dairy Sciences.

2. Forest Genetics Greenhouse $2,000,000

Project Purpose: The facility will include computer-controlled regulation of the greenhouse environment and a platform of multiplexing and data logging hardware capable of monitoring a diverse array of sensors needed by research projects. The greenhouse should be constructed as three independent 30 x 60-foot bays attached to a common head house and control room. At least four walk-in controlled environment chambers should be included in the headhouse for experiments that require more precise environmental control than a greenhouse can provide.

Project Justification: The University is emphasizing biotechnology and the Department of Forestry is developing a national reputation for excellence in forest biotechnology. This new science will help forest industry compete globally by developing trees that are insect resistant, grow faster, and have optimum wood properties. The existing greenhouse was purchased second-hand, twenty-five years ago, and is inadequate to support the Department's biotechnology program at its current level and will impede its future success.

3. Animal Life Sciences Initiative $6,000,000
Phase 1 of a $12,000,000 Project

Project Purpose: The enhancement of a number of facilities at the Leveck Animal Research Center (LARC) and the construction of a modern (off-main campus) abattoir will be the main focus of Phase I. In Phase I, a new 10,000 sq. ft. abattoir (building and equipment) will be constructed in close proximity to the LARC. It will include complete animal harvesting and fabrication facilities. Moving this kill floor and meats lab is a high priority for both division and MSU leaders. The installation of a grow safe feeding efficiency system for 100 animals on approximately 50 acres of land at the LARC will also be a part of this project.

Project Justification: Current facilities were built in 1972 and need to be upgraded and replaced. The sustainability of animal agriculture will require modern and specialized facilities that allow faculty to be competitive for extramural funding opportunities in the Life Sciences, food safety, and value-added product development. Implementation of the proposed plans will be necessary to prepare a future generation of students, for stakeholder needs, and for technological and economic development in animal agriculture. Animal and forage production in Mississippi has an estimated annual farm-gate value of about $400 million.
4. **Wildlife & Fisheries Research & Ed. Support Facility**  $990,000

**Project Purpose:** Construction of 6,000 sq. ft research and education facility to be housed at the Blackjack Research Area. The facility will house laboratories for preparation and storage of food for the captive animal species used in research and education, a small animal rearing facility, equipment storage rooms, office space for the facilities and animal care coordinators.

**Project Justification:** The current facility which houses the support laboratories, food, and supply storage rooms is extremely antiquated and difficult to maintain in a condition suitable to state (MSU IACUC) and federal inspectors (USDA APHIS) concerning animal care and use. New, modern facilities are desperately needed to safely store and process food for captive animal consumption, rear young animals for research and education purposes, store expensive research equipment, and house research support staff associated with the captive animal facilities (terrestrial and aquatic).

5. **Leveck Animal Research Center Building Program**  $970,000

**Project Purpose:** Construction of pre-engineered metal buildings for maintenance shops, equipment storage, feed storage/handling, and fertilizer storage.

**Project Justification:** The facilities currently being utilized were built in the mid-1950's and are no longer adequate to support the research needs of the Animal Research Center. There are no suitable commodity bins for feed and fertilizers, which are needed for efficiency of operations. The existing shops and equipment storage facilities have been out grown by larger, more efficient equipment.
1. ADA Code Compliance and Campus Safety  
   **Phase 2 of a $8,071,245 Project**  
   **$4,000,000**

   **Project Purpose:** This project addresses various ADA issues, code compliance issues and safety issues on campus. It includes ADA issues such as access ramps, automatic door openers, doors/emergency exits, ADA drinking fountains, elevators, handrails, restrooms, sidewalks, curb cuts, signage, strobe lights; code compliance issues such as fire suppression, panic hardware, fire/smoke alarm systems, emergency egress lighting; and safety issues include exterior sirens with voice capability, emergency alert systems, card swipe access, updated gate operators and card readers, taller fencing and camera systems.

   **Project Justification:** This project incorporates all university codes, compliances and safety issues and is vital as it is a life safety/code issue as well as an environmental impact issue. In some cases asbestos abatement will have to be completed before certain issues can be addressed. Numerous places on campus need ADA access ramps and automatic door openers. In order to be compliant with local, state and federal agencies, fire suppression is needed in all residence halls, with most residence halls in need of panic hardware. Fire suppression is needed for Callaway and Grossnickel Hall. This project includes asbestos abatement for Callaway Hall. Safety issues include matters that would involve any type of man-made or natural events. For communication during disasters sirens with voice capability is needed as well as an emergency alert system in key buildings. Updating perimeter gate operators, installing taller fence sections and camera systems will provide a more secure, more closely monitored campus to ensure every effort is being made to provide a comfortable, safe campus for students, faculty, staff and visitors.

2. Fant Memorial Library & Expansion (Phase I)  
   **Phase 1 of a $16,884,000 Project**  
   **$6,100,000**

   **Project Purpose:** This project involves a space-efficient, two-story addition (15,250 Gross Square Feet) on the west and south facades of the existing Fant Memorial Library (46,600 GSF) that will provide the University with an architectural landmark at a strategic location on campus. The project also encompasses significant renovation (20,000 GSF) of the existing facility to improve interior functionality and appearance, to upgrade mechanical systems, and to achieve spatial integration with the new construction. Improvements are needed to meet the technological requirements of 21st Century libraries, including data networking and additional student computer resources, and to provide: 1) a 24 hour study room, 2) additional stack capacity for multiple collections and compact shelving, 3) group study rooms, 4) media listening/viewing rooms, 5) archival and archival processing areas, 6) cyber café, 7) special collection rooms, and 8) exhibit areas. This project includes an Automated Storage and Retrieval System (ASRS) that could house much of the library’s book and journal collections, reducing the amount of additional costly building space needed to store these materials. This system could also be used to store archival boxes. This project also involves the library move as well as address asbestos and lead paint surveys and any necessary abatement. All applicable code requirements, including ADA, will be addressed.

   **Project Justification:** Except for new lighting, carpeting and a chiller, Fant Memorial Library has been largely unimproved since original construction in 1969. Even the furniture and built-in equipment are original, dated and require replacement. Group study areas and sufficient computer resources are unavailable, as is 24 hour access to the facility due to interior configuration limitations. Over 325,000 volumes are currently housed in open stacks designed for 225,000 volumes; valuable special collections are crammed into storage rooms; exhibition areas are lacking; and archival space is absent. The quality of the interior environment is a deterrent to student use of the facility, and insufficient collection capacity is a threat to the accreditation of several academic programs. Additional capacity and functional and
qualitative improvements to the existing facility are critically needed. This project is vital to accomplish MUW's purpose of providing a quality education with up-to-date resources and facilities. Completion of this project is crucial to recruitment and retention of students and faculty at MUW. In addition, this project is in alignment with the University’s master plan and provides a competitive edge as it will provide MUW with an attractive, modern library facility. As this project will be done in phases, MUW is requesting $6.1 million for the first phase of construction funding.

3. Storm Drainage and Street Repair  $2,000,000

Project Purpose: This project involves the planning, re-routing, repairing and restoration of deteriorated campus drainage systems and streets. Old campus drainage systems will be removed and repaired. This project will also include milling and resurfacing of campus streets.

Project Justification: MUW’s drainage system and streets are in need of repair. In the past it did not take a lot of rain to cause flooding on campus, particularly areas on south campus. A storm drainage project was initiated to survey the existing drainage system. Upon investigation it was determined that some piping was outdated and needed replacing in order for the system to operate effectively. In other areas, piping was cleaned. This process called for some streets to be torn up adding another reason for our streets to be repaired. Due to storms, storm clean-up with heavy equipment, other projects involving equipment, our streets are heavily damaged. Continued deterioration of streets increases the cost of repair. Upon completion of the storm drainage project, a street repair project is to follow. Newer streets will also enhance the look of our campus.

4. Keirn & Taylor Halls Demolition  $1,300,000

Project Purpose: This project involves the complete demolition of Kerin Hall and Taylor Hall, twin 5-story fireproof buildings no longer in use.

Project Justification: Keirn and Taylor Halls were both built in 1959. Demolition of these buildings will allow for a combined total of over 90,000 square feet of gross area to be used in coordination of the campus master plan. This added space will enhance the appearance of the campus.

5. Shattuck Hall Renovation  $4,709,000

Project Purpose: This project involves a complete interior renovation of Shattuck Hall. Shattuck has already had an exterior stabilization project and renovation of the north annex area. A portion of Shattuck Hall is used to house the university’s culinary arts program while another portion houses the university’s Women’s Center for Entrepreneurship (WCE). This project would renovate the remaining part of Shattuck Hall in order to accommodate space to expand our culinary arts program and allow more office space, meeting rooms, conference rooms for WCE. This project includes asbestos and lead surveys as well as any necessary abatement. All applicable codes, including ADA, will be addressed

Project Justification: The completion of this project will bring this Shattuck Hall, built in 1910, in compliance with local, state and federal agencies maximizing its service to the University by enhancing MUW's premier culinary arts program which furthers our mission and provides us with a competitive edge. Because of the facility’s age and function, there are increased costs associated with maintaining and renovating it.
Mississippi Valley State University

1. J.H. White Library $4,500,000

Project Purpose: Upgrade and expand the J. H. White Library to add space for computer labs, additional volumes, and graduate students’ research. Refurbish library interior and rework mechanical systems. Rework exterior landscaping and increase lighting around building.

Project Justification: Space in the existing library building is limited and not suited to current student population and research needs. The interior shows wear and needs refurbishing. Mechanical upgrades to the HVAC is needed for climate control and the preservation of library content.

2. RW Harrison Renovation/Expansion Phase II $10,000,000
Balance of a $16,000,000 Project

Project Purpose: This project is the continuation of (Phase II) of a project underway. The project consists of a renovation and addition to the existing HPER Building and to provide for academic/wellness functions. The project will provide space and facilities for academic instruction, space for HPER co-curricular activities, academic and wellness education, clinical space, as well as academic assembly and additional classroom space.

Project Justification: This renovation/addition project is needed to provide updated facilities for the existing HPER Building curriculum with provisions for campus and community wellness. The project will also accommodate academic assemblies and convocations. Existing campus facilities do not meet life safety and NFPA codes and are grossly inadequate. Overflow crowds for campus events cause both occupant management and safety problems.

3. Campus Waste Water System Upgrades $7,500,000

Project Purpose: Construction of a new waste water treatment facility for Mississippi Valley State University.

Project Justification: Campus waste water capacity must be increased to comply with revised DEQ regulations and discharge limits. Campus currently operates under 2008 NPDES permit requirements and has been given five years by DEQ to accommodate revisions to discharge limits.

4. Student Union Renovation and Expansion $6,300,000

Project Purpose: Project proposes the expansion of the Jacob Aaron Student Union complex to provide additional meeting room space, ballroom, theater, and food court amenities. Project will also address the remediation of existing roof and structure, replacement of existing mechanical systems, and the renovation of the interior.

Project Justification: Existing facility does not have adequate space for the spaces listed in the project description. Antiquated mechanical systems, roof, and structure require replacement. Optimizes leveraging for institutional efficiency. Maximizes space for facility utilization and effectiveness.
5. Fine Arts Renovation and Expansion  $7,700,000

**Project Purpose:** Project proposes to add a performing arts theater, art gallery, and provide an adequate climate and secure environment.

**Project Justification:** Additional space and amenities are needed to bring the facility up to standards required for a fully functional fine arts facility. Accreditation standards require proper facilities for performances and exhibitions of art work.
1. **Student Union Renovation**
   **Balance of a $42,000,000 Project**
   **$10,000,000**

   **Project Purpose:** To provide much needed interior and exterior upgrades for the Ole Miss Student Union. The building sits at the west end of the Grove. The Campus Master Plan acknowledges the importance of this building by making it the 'hub' of all University-wide public transportation.

   **Project Justification:** The 112,000 square foot Union building has served as the center of campus life since its completion in 1977. While enrollment on campus has risen dramatically, the use of the building has increased even more. The building is in need of many upgrades. While several areas have been renovated recently, the entire building needs to be re-thought to provide increased traffic-flow to better serve the student and staff population and project the appropriate image for a building in such a prominent location.

2. **New Science Building**
   **Balance of a $40,000,000 Project**
   **$10,000,000**

   **Project Purpose:** To provide a new general purpose science classroom building.

   **Project Justification:** Science buildings use significantly more energy than academic or support buildings. In our attempts to reduce energy use at the UM campus we would design a building to support our scientific educational goals, while at the same time conserving as much energy as possible to utilize the most up to date technologies.

3. **Turner Center Renovation**
   **Balance of a $42,000,000 Project**
   **$10,000,000**

   **Project Purpose:** This project will contribute to a complete renovation and update for this four story building. The Turner Center is located in the heart of campus and will provide updated amenities for cardio-vascular exercise, basketball, swimming, racketball, dance, food service, running, and a climbing facility. The building is also the home of Ole Miss Outdoors, the administrative offices of Campus Recreation, and Applied Science.

   **Project Justification:** This building, built in 1982, is one of the most heavily used buildings on campus. Twenty years of hard use have taken their toll, and this renovation will convert the 155,000 square foot building into a full-service student recreation center. Currently the lighting levels are too low, there is a lack of connection to the outside, the facility is 'tired', uninviting to the students, and is outdated.
4. Music Hall Mechanical Upgrade $4,000,000

Project Purpose: The request was made in the 2008 list of projects. It was removed at the request of The University of Mississippi to free funds for the emergency renovation of Coulter Hall. However, the project is still high on our list of priorities and this request seeks reinstatement. The building's mechanical system has been replaced with the exception of the portion serving the west wing. This part of the building is the last in the series of renovations necessary to complete the project.

Project Justification: This is a continuation of the renovation of the buildings known as Old Education. It is now used by the Department of Music. The building has undergone extensive renovations over the last four years. In previous renovations, the work included installation of new ducts. The old mechanical systems were left in part of the west wing. This phase will complete the mechanical upgrade.

5. Garland Hedleston Mayes (GHM) $10,000,000

Project Purpose: This project will completely renovate all three buildings (GHM) to include new mechanical and electrical systems, provide barrier-free accessibility, weatherproof the building exterior, and complete the interiors upgrade.

Project Justification: Garland, Hedleston, and Mayes were built in 1938 as men's dormitories. Currently these three Neo-Georgian buildings sit empty in the west-central part of campus. They are strong examples of their architectural style. While the interiors have deteriorated, they are structurally sound. It is necessary to completely replace the mechanical, electrical, fire protection, and plumbing systems. The buildings lend themselves to continued academic or administrative use.
University of Mississippi Medical Center

1. **Center Core Support Office**  $8,500,000
   
   **Project Purpose:** Construct new Core Support Facility of approximately 30,000 sf
   
   **Project Justification:** Presently, Physical Facilities, Campus Police, Telecommunications and Environmental Health and Safety offices are located in separate trailers and in various locations on campus. Spaces are inefficient and do not provide for needed expansion. Consolidating these services into a single new facility would allow the removal of the unsightly trailers and also facilitate the development of ambulatory clinics and patient services centers.

2. **Fire Alarm System Upgrade**  $1,202,000
   
   **Project Purpose:** Upgrade UMC fire alarm systems at various locations to provide addressable devices and smoke detection of latest design and technology including areas at Learning Resources, Dental School, HRP, Alumni, Women's Residence, Office Annex, URC, Clinical Sciences and Lakeland Buildings.
   
   **Project Justification:** These existing fire alarm systems have obsolete smoke detectors and replacement detectors are no longer available. The new design and technology allows each device to report individually, allowing immediate response to the activated device. Sensitivity of the new devices is adjustable in the field and remains constant over time, thereby eliminating false alarms.

3. **Campus Mechanical Upgrade Phase I**  $1,645,000
   
   **Phase I of a $2,846,907 Project**
   
   **Project Purpose:** Upgrade/replace aging and inefficient mechanical systems: Cooling tower #1 at the Central Plan, replace (2) water cooled chillers at the Office Annex with air cooled chiller, replace the water cooled chiller at Med Towers with an air cooled chiller.
   
   **Project Justification:** These mechanical systems have been extended beyond life expectancy and need to either be replaced or upgraded. Replacement parts are becoming increasingly harder to obtain. Replacing these systems will significantly improve building comfort, while at the time increase energy efficiency. Systems include, but are not limited to, chilled water, cooling towers, etc.
4. East Central Mechanical Plant $8,000,000

**Project Purpose:** Construct a new central mechanical plant to serve the east campus. To include new chiller battery providing 4,000 tons of additional capacity and a new heating center to provide 800,000 MBH of capacity.

**Project Justification:** The planned expansion of campus facilities will require additional capacity from the central systems. The east campus development will require 4,000 tons of chilled water capacity and up to 800,000 MBH of heating capacity. The extension of the central loop will allow for distribution and duplicity in the utility services for the energy production and distribution.

5. Pedestrian Bridge & Utility Loop Expansion $6,125,000

**Project Purpose:** Construct Extensions of pedestrian bridge systems for circulation and utility distribution.

**Project Justification:** The east campus expansion will require a circulation system for faculty, staff, students and patients. The elevated pedestrian bridge system will be expanded to service the future ambulatory clinics and new parking facilities. This system also serves as the chilled and hot water distribution pathway as an extension of the central loop. The bridge network will provide a pathway for the distribution of electrical and communication systems.
University of Southern Mississippi

1. College of Business – Phase II  
   Phase 2 of a $35,000,000 Project  
   $15,000,000  

   **Project Purpose:** This project provides for construction of a new facility to include state-of-the-art classrooms, study rooms, conference/seminar rooms, as well as faculty and administrative offices and support spaces for the College of Business.

   **Project Justification:** The College of Business is currently housed in Joseph A. Greene Hall that was constructed in 1968. The number of students, faculty, and research projects has grown considerably. Teaching methods in this field have changed from lecture to coaching and team projects. This college requires additional and upgraded space to maintain accreditation of academic programs.

2. School of Nursing – Phase I  
   Phase I of a $27,000,000 Project  
   $15,000,000  

   **Project Purpose:** This project will provide for construction of a new facility to include state-of-the-art laboratories, classrooms, study rooms, conference/seminar rooms, as well as faculty, research and administrative offices and support spaces for the School of Nursing.

   **Project Justification:** The School of Nursing is currently housed in Harkins Hall that was built in 1977. The School of Nursing has increased enrollment and current accreditation standards require advanced technological applications. The facility must accommodate rapidly changing technology, equipment and teaching methods. Harkins Hall has an obsolete HVAC system and an inadequate lighting/electrical system. The limited ceiling heights prohibit installation of updated systems.

3. General Repair and Renovation  
   $6,000,000  

   **Project Purpose:** This project encompasses several critical needs including safety, exterior electrical distribution, HVAC modification, security lighting and general repair and renovation to campus facilities.

   Upgrade Electrical Distribution System = $1,400,000  
   Repair Cooling Tower/Chillers = $1,200,000  
   Upgrade Security Lighting = $900,000  
   Repair/Upgrade Printing Center for Academic Function = $2,500,000

   **Project Justification:** The university is required to comply with the standards set by various regulatory agencies. Funds are needed to make necessary modifications to campus buildings to bring them into compliance, and to preclude unsafe conditions, lawsuits, and monetary fines.
4. **College Hall Renovation**  
**Project Purpose:** This project includes the renovation of partition walls and interior finishes; restoration of windows, transoms, and doors; replacement of light fixtures; and modification and restoration of the south entrance and west stairwell.

**Project Justification:** College hall is one of the historical buildings on campus. During previous renovations, the historical characteristics have been distorted or removed. This project would restore the historically significant architectural features of the building, while maintaining functional classrooms and administrative offices. The south entrance was designed as the main entrance to the building. Currently, this area is occupied by mechanical equipment, which must be relocated to restore the original design.

5. **Southern Hall Renovation**  
**Project Purpose:** This project consists of repair and restoration of structural and architectural features; demolition and construction of partition walls; new finish treatments; and the installation of utility systems to meet applicable codes, current program requirements, and standards of the Department of Archives and History.

**Project Justification:** The University is in dire need of additional classroom, seminar, tutorial, and laboratory space. The departments housed in this facility need to be relocated to allow the building to better serve the needs of the university.
Education and Research Center

1. General Repair and Renovation  $1,500,000

   Project Purpose: This request will provide funding for Phase II ADA accessibility requirements and structural repairs in the Paul B. Johnson Building. In addition, this project will address code compliance issues, failing infrastructure needs, and will provide for increased energy efficiency by replacing interior/exterior light fixtures and other deferred maintenance items.

   Project Justification: This funding is necessary to reduce the level of deferred maintenance issues at the Education and Research Center Campus. Structural issues and failing infrastructure need to be addressed before they disrupt the goal of the research center. Additionally, the Paul B. Johnson building does not meet all current ADA regulations. This project will assist in the continuing efforts to bring the campus up to current ADA requirements and current energy efficiency standards.

2. Renovation of Paul B. Johnson Building (Pre-Plan)  $350,000

   Project Purpose: This project will provide funding for the planning and design to renovate the Paul B. Johnson Building.

   Project Justification: The Paul B. Johnson Building was constructed in 1969 and has had no significant major repair or renovation. This project is needed to replace the existing windows which are not energy efficient, to replace the elevators which have been prone to have problems and are approaching the end of their recommended useful life, to replace the electrical systems, roof, floors, interior finishes, window treatments, and landscaping. The mechanical items not covered in the current HVAC project will also be addressed as well as security needs.
IHL/University System

1. **System-wide Centralized Technology Program**  $20,000,000

   **Project Purpose:** This funding request is at the suggestion of the Efficiencies & Effectiveness Committee. The project is for funding to purchase software to begin the process of consolidating technology within the system.