

## PROJECTS FOR COMMISSION ACTION

## THE CITADEL

Priority 1 - Renovation of Thompson Hall \$960,000

With the opening of a new facility it is possible to consolidate the Department of Education, including Psychology, into Thompson Hall. These two academic areas enroll over two-thirds of the graduate level students and nearly one-tenth of the undergraduate level. In addition to offices, space will provide a media center including ETV services, a 120 seat lecture hall, a reading and guidance laboratory and an instructional materials center. The reading and guidance lab and instructional materials center are required to meet accreditation standards. Renovations include rearranging interior walls, dropping ceilings, increasing electrical service, installing central air conditioning and completely repainting the interior.

Recommend approval.

Priority 2 - Renovation of Mary Bennett Murray Hospital \$375,000

This facility was built in 1922 with a wing added in 1939. Renovations include increasing the electrical service, replacing window units with central air conditioning, dropping ceilings, repairing or replacing floors, modernizing bathrooms and kitchens and completely repainting the interior.

Recommend approval.

## CLEMSON

Priority 1 - Renovation of SIRRINE Hall-Phase 3 \$1,400,000

The Commission has previously approved Phases 1 and 2 of the renovation, which have only recently been funded at \$1,000,000. Subsequently three federal agencies vacated SIRRINE Hall, opening space to be renovated in Phase 3. The institution proposes to combine all phases of renovation at a total cost of \$2,400,000. SIRRINE Hall, opened in 1937, houses the College of Industrial Management and Textile Science, the largest college at Clemson. Renovations include rearrangement of interior walls, new flooring, new ceilings, addition of ladies rest rooms (in a building constructed for a male student body), electrical alterations, complete central air conditioning, addition of safety and fire items, provision of access by the handicapped, painting and miscellaneous services to provide for efficient academic utilization.

Recommend approval

Priority 2- Renovation of Cooper Library - Phase 3 \$2,000,000

Cooper Library, the main library, was designed to be expanded by phases as required. Phases 1 and 2 were approved by the Commission and are completed. In Phase 3 an intermediate floor will be installed between the existing basement and the ground floor and the basement will be finished to provide an additional 56,000 square feet.

Application of Association of College and Research Libraries formulae to Clemson's 1975 FTE enrollment produces a requirement for 156,000 square feet, compared to 120,000 available before Phase III renovation. The same formulae project requirements for holdings of 1,170,000 compared to 631,000 on hand and a staff of 37 members compared to an actual staff of 17. As Clemson moves toward meeting ACRL standards, all the additional space will be required.

Recommend approval.

Priority 3 through 9 have been approved by the Commission.

Priority 10 - Renovation of Olin Hall \$ 65,000

This project will convert an antiquated electrical supply system to meet current code requirements. In addition a roof will be constructed over the loading dock.

Recommend approval.

#### COLLEGE OF CHARLESTON

Priority 1 - Physical education facility, has been approved by the Commission.

Priority 2 - Educational equipment \$1,032,212

This request includes the following:

1. Equipment for Marine Science Center	\$ 306,379
2. Equipment for Fine Arts Center	350,000
3. Equipment for Education Center	180,000
4. Mini-computer	144,833
5. Microscopes (51)	51,000
	<u>\$1,032,212</u>

The first three items relate to facilities for which the capital funding plan does not cover the cost of basic initial equipment. In July, 1975, the Commission issued a memorandum reaffirming the requirement to include the cost of basic equipment in the cost of new facilities. The Marine Science Center was substantially completed and it was not feasible to adjust the capital funding plan to cover the equipment. In March 1976 the Commission approved half of the cost of the marine science equipment and recommended the institution seek funds from the federal government or foundations for the balance. If unsuccessful by September 1, 1976, the Commission would approve the entire amount. The institution reports it has unsuccessfully "tried diligently for more than six months to obtain funds through private sources and federal grants for the (marine science) equipment requested herein."

The General Assembly provided \$2,900,000 for construction of the Fine Arts Center and \$2,464,000 for the Education Center. Of the total \$5,364,000, the 5% limitation froze \$2,362,150. Because of urgent need for the facilities, the College provided a total of \$4,385,510 from Plant Improvement Bonds financed by student fees. If funds now frozen could be released to buy equipment, such funds would in effect replace institutional funds which could have been applied toward meeting equipment needs.

The mini-computer would be utilized for computer-assisted instruction. The Commission has not previously approved special funding for computers.

The request for 51 microscopes is in addition to a request for 44 microscopes included in the list of marine science equipment. While the two requests cover different areas of the campus, funding for the 44 could provide some assistance for both areas.

Recommend supplemental funding for the Marine Science Center in the amount of \$306,379, the Fine Arts Center for \$350,000 and the Education Center for \$180,000, from funds now frozen by the 5% limitation.

Priorities 3 through 6 have been approved by the Commission.

FRANCIS MARION

Priority 1 - Art, Drama, Music, Speech Building, and  
Priority 2 - Campus development, have been approved by the Commission.

Priority 3 - Cafeteria expansion \$245,000

The cafeteria is located in the Student Center which was constructed with State funds. However, it an auxiliary enterprise and expansion should be funded through revenue from the enterprise.

Recommend disapproval for funding under the Capital Improvement Bonds Act.

Priority 4 - Campus development \$325,000

This project provides for a parking lot; access road; walks, lights and drainage associated with the lot and road; and permanent lighting for four existing tennis courts. (Priority 2 Campus development which has been approved provides for connection of essential utilities; additional chiller capacity; extension of campus walkway and walk light systems; completion of primary electrical power loop; completion of primary water main and fire protection loop; and improvement of campus drainage). If funds are not available, the institution will defer the project.

Recommend disapproval.

Priority 5 - Observatory \$ 65,000

According to the institution's justification, "the growth in undergraduate enrollment and the general interest in the physical sciences has resulted in the need for an observatory...". If funds are not available the institution will defer the project.

Recommend disapproval.

Priority 6 - Landscaping \$210,000

This project is self-explanatory. It is justified to produce "an atmosphere more conducive to a relaxed learning process and to student and community identification with and enjoyment of the campus". If funds are not available the institution will defer the project.

Recommend disapproval.

LANDER

Priority 1 - Learning Center I, has been approved by the Commission

Priority 2 - Renovation of Grier Center \$255,000

Completed in 1960, Grier Student Center houses activities which will move to the Student Center under construction. When renovated, Grier Center will house administrative offices now in facilities scheduled for demolition. Renovation will completely rearrange the interior (which now includes a dining room, kitchen, post office, book store and various student activity facilities) and provide central air conditioning for approximately one-half the building.

Recommend approval.

Priority 3 - Renovation of old library, has been approved by the Commission.

Priority 4 - Fine Arts and Administrative Wings for College Center \$3,400,000

This project of approximately 56,000 net square feet will include space for applied music, music appreciation, dramatics and speech, and most non-academic administrative offices. Two theaters totalling 600 seats are included.

According to the institution, current and projected non-residential space in assignable square feet is as follows:

Upon completion of all funded projects	197,000 ASF
Learning Center I (Priority 1)	62,000 ASF
Fine Arts wing (Priority 4)	56,000 ASF
To be demolished upon completion of Fine Arts wing	(48,200) ASF
	<u>266,800 ASF</u>

This will provide 133 ASF/FTE for a projected enrollment of 2,000 FTE. In GOALS, as a guide for projecting need for space, the Commission approved ASF/FTE of 91 for the College of Charleston and Francis Marion; 105 for The Citadel, S.C. State and Winthrop; 135 for U.S.C. and 175 for Clemson. National averages for four-year colleges were 91 ASF in 1968 and 94 ASF in 1971.

Enrollment at Lander in 1976-77 was 1,602 FTE. Considering the facilities funded and recommended (including the library, student center, classroom/class laboratory/faculty office facility), and the uncertainty about future growth, further expansion should not be approved at this time. By Fall 1978, when the next submission for funds under the Capital Improvements Bond Act is submitted, additional facilities may be fully justified.

Recommend disapproval.

Priority 1 - Hospital renovation

\$5,000,000

In 1972 the Commission approved a request for this project totalling \$3,000,000, of which \$2,000,000 has been provided by the General Assembly. On the advice of consultants the institution broadened the scope which increased the cost to \$7,000,000. A program has been developed for the expanded project and an architect has been retained. This is a major teaching resource for the College of Medicine and the major referral hospital in South Carolina.

Recommend approval of the expanded project.

Priority 2 - Hospital east wing has been approved and funded in part by the General Assembly.

Priority 3 - Quadrangle renovation, has been approved and funded in part by the General Assembly.

Priority 4 - Land acquisition

\$2,000,000

The Commission has approved \$1,000,000, which has not been funded, to purchase land to accommodate future expansion. No specific purchases have been identified to justify an increase.

Recommend disapproval of the \$1,000,000 increase.

Priority 5 - Continuing Education Center

\$5,000,000

This is described as a building containing approximately 60,000 square feet providing classrooms, a banquet facility which could be subdivided into smaller meeting rooms, an auditorium with theater-style seating, a large lobby, space for ETV, audiovisual support services, offices and office support areas, and parking. It would provide for the Continuing Education programs of the Medical University.

In 1974 the institution applied for a new auditorium to handle among other activities the needs of continuing education and professional conferences sponsored by the University. The Commission deferred consideration pending further study by the Charleston Consortium on joint use of facilities.

A continuing education center offers an excellent opportunity for the development of a resource for the Charleston Consortium, to serve needs of all educational institutions in the area. This approach should be encouraged considering the unfunded requirements at all institutions.

Recommend that consideration be deferred pending development as a Charleston Consortium project.

Priority 6 - Nursing Education facility

\$1,165,000

Justification submitted by the University is as follows:

"The College of Nursing at present occupies a portion of a dormitory facility with adjacent trailers for classroom space. These facilities are inadequate for the needs of modern nursing education at undergraduate and graduate levels. Current space deficiencies and need for new or expanded facilities have been corroborated by the Board of Review for the National League for Nursing, accrediting body for all schools of nursing. The University's Board of Visitors cited this as a critical need in their 1975 report. A new facility is absolutely necessary for increases in continuing education for Registered Nurses (RNs) studying for baccalaureate degrees; in numbers of graduated professional nurses with special emphasis on clinical training; in utilization of nursing research and demonstration level care as integral parts of the overall educational programs. Undergraduate enrollment will be expanded from present 268 to 489. Graduate level programs will be expanded by an additional 60 students. These enrollment increases are necessary to meet the health care needs of the State of South Carolina.

"We have considered alterations of the existing building. The usable space in the present building is limited to approximately one-third of the total space in the building because of bathrooms, closets, and other unique dormitory types of spaces. The building structural design prohibits alterations necessary to provide adequate space and improved utilization. Mechanical and ventilation systems are inadequate for such use. Alteration cost would be prohibitive. Total alteration and renovation of this building would provide only about 50% of the College's ultimate space needs."

Estimated cost is \$4,660,000, of which \$3,495,000, or two-thirds, could come from federal sources. The institution has applied for a federal grant for this amount.

Recommend approval provided federal funds are provided to meet two-thirds of the cost.

Priority 7 - Student center facility, has been approved and funded in part by the General Assembly.

Priority 8 - Basic Science II was listed in 1978-79 in the five-year forecast submitted on August 30, 1976. It is proposed that this project be forwarded without a recommendation.

Priority 9 - Student residence, does not involve State funds and should not be included in this submission.

Priority 10 - General renovation \$500,000

These funds will renovate the Castle Pinckney Hotel which will be used for administrative space. As the Allied Health Sciences and Business Affairs buildings and the additional floor on the Library/Administration Building are occupied, the space vacated in other facilities will be renovated to accommodate activities now in substandard facilities (e.g., trailers). A plan has been developed to coordinate these moves and funds will be expended in accordance with the plan.

Recommend approval.

Priority 1 - Physical Plant Facilities Complex

\$3,000,000

The institution proposes to construct a complex to house the central energy plant, central stores, warehouses, motor pool, shops, etc., which have been developed piecemeal and in some areas are currently inadequate. Some buildings will be replaced, others expanded and some new facilities will be required. The proposed complex should improve efficiency and could reduce operating costs.

Two boilers in the central energy plant must be replaced. In December, 1974, the Commission approved a request for \$250,000 for this purpose which has not been funded.

There appears to be a requirement for the proposed complex but further information is required to fully justify the request. A program statement should be prepared, describing in detail what is needed and how the needs would be met. Architectural and engineering drawings would be of assistance. Aside from replacing the boilers, delay in starting the project would not be critical. If the institution received \$300,000 at this time it could replace the boilers (including an allowance for inflation) and employ professional assistance in developing detailed plans for the total complex.

Recommend approval of an additional \$50,000 to cover increased cost of the boilers and to obtain professional assistance. Total Cost - \$300,000.

Priority 2 - Addition to classroom building

\$1,500,000

This project would add a wing of approximately 30,000 square feet to the building housing the Department of Business Administration, to provide offices and space for classes utilizing business machines. Visual inspection confirms the crowded condition of the existing facility. A large area now utilized for teaching was formerly a library stack area and utilization is limited by the presence of numerous posts which supported shelves but must remain to support the roof.

Fall, 1975, space utilization data at South Carolina State have been examined and visits have been made to the campus to evaluate the potential for renovating existing space now assigned for other purposes. It is concluded that adequate space is not available for reassignment.

This facility houses the largest Academic Department of the College which is expected to grow. The proposed addition is considered to be justified.

Recommend approval.

Priority 3 - Dormitory for Women

\$1,500,000

This project will provide housing for approximately 144 female students. Off-campus housing is limited; some female students are now occupying a residence constructed for male students.

In 1975-76, S.C. State housed 933 men, 970 women, 64 married students, and 134 students in a coed dorm. Fees ranged from \$288-\$360, remained the same for 1976-77, and no changes are indicated for 1977-78. Fees charged in 1976-77 at other institutions are as follows:

Clemson	\$460-\$620
U.S.C.	\$432-\$640
College of Charleston	\$650
Lander	\$500-\$730
Winthrop	\$560

S.C. State has financed some residential facilities from student fees and currently carries Student-Faculty Housing Bond indebtedness of \$1,895,000. According to the institution, it requires income from all residential facilities to finance this indebtedness. No increase is possible without increasing housing fees which is not considered feasible in view of the large percentage of the student body from low-income families. Full funding under the Capital Improvement Bonds Act is requested (such funding has been provided in the past e.g., \$1,360,000 for a men's dormitory in 1974).

The following table provides data on student financial aid programs at the public senior colleges and universities and at S.C. State:

Financial Aid

	<u>All Institutions</u>	<u>S.C. State</u>
Unduplicated number of aid recipients	15,775	1,782
Percent of enrolled undergraduate students receiving assistance	41.9%	75.2%
Average financial aid per enrolled student	\$560	\$1,062
Average financial aid per recipient	\$1,335	\$1,413

It should be noted that while S.C. State has a large proportion of the student body receiving financial aid, in actual numbers there are many such students on other campuses which have not received State funds for residential facilities.

Recommend approval with the understanding that future requests for State funds to support auxiliary enterprises will not be favorably considered.

UNIVERSITY OF SOUTH CAROLINA-MAIN CAMPUS

Priority 1(a) - Renovation of Wardlaw College and Priority 1(b) - Renovation of Barnwell and Hamilton Colleges, have been approved by the Commission. Priority 1(c) - Renovation of the Horseshoe has been approved and funded in part by the General Assembly.

Priority 2 - Utility distribution system \$1,850,000

The University operates four central energy facilities. By connecting the four, savings can be realized through shutting down plants during periods of low demand, and better service provided through shifting loads during peak demand. This project will connect the fourth plant to the system and complete extension of lines from all of them. The estimated cost is \$1,250,000. In addition an automated central monitoring system will be installed at an estimated cost of \$600,000 with a potential savings of approximately 20 watchman positions.

Recommend approval.

Priority 3 - Multi-purpose auditorium, has been approved and funded in part by the General Assembly.

U.S.C. - AIKEN CAMPUS

Priority 1 - Campus development \$800,000

This project includes the following:

Auxiliary service center building	\$300,000
Equipment	100,000
Electrical distribution system	200,000
Storm and sewage systems	140,000
Domestic water (well and storage tank)	25,000
Roads and sidewalks	35,000
	<u>\$800,000</u>

In GOALS, the Commission used 91 assignable square feet per full-time equivalent student as the minimum for the senior colleges and universities. In Fall, 1976, U.S.C. Aiken had 1,135 FTE. For a projected 1,500 FTE, 91 ASF/FTE produces 136,500 ASF. With the completion of all facilities now funded, U.S.C.-Aiken will have a total of 115,132 ASF.

Recommend approval.

U.S.C. - SPARTANBURG CAMPUS

Priority 1 - Hodge Center addition

\$1,000,000

This project will add approximately 30,000 net square feet to the existing student center. The additional space will provide a swimming pool, locker rooms and showers, storage rooms, and space for various physical education activities.

In Fall, 1976, U.S.C.-Spartanburg had 1,551 FTE. A projected 2,000 FTE at 91 ASF/FTE produces 182,000 ASF. With the completion of all facilities now funded, U.S.C.-Spartanburg will have a total of 121,000 ASF.

Recommend approval.

Priority 2 - Campus development

\$250,000

This project will provide a maintenance and storage facility, a campus-wide fire alarm system, parking facilities, access roads, and outside lighting.

Recommend approval.

WINIHTROP

Priority 1 - Barrier-free design modifications

\$661,250

Five multi-storied buildings containing classrooms, laboratories and offices will be renovated to provide access by the handicapped. Renovations include installation of ramps, handrails, elevators and appropriate restroom facilities.

S.C. Act 1191, 1974, established the S.C. Board for Barrier Free Design, and directed it to establish minimum standards and specifications to eliminate architectural barriers to entry and use of buildings and their facilities by the aged, disabled and physically handicapped. Guidelines have not yet been promulgated by the Board. Act 1191 provides for waivers by the Board based on acceptable alternatives or on excessive incremental cost. However, it is the clear intent of the General Assembly to remove barriers to the handicapped.

Recommend approval.

Priority 2 - Replacement of primary waterlines

\$143,750

This project will replace approximately 1,500 feet of existing water main which is undersized and add approximately 1,700 feet. The 3,200 feet will complete the fireline loop on the campus and assure an adequate supply of water.

Recommend approval.