

Capital Outlay

CAPITAL OUTLAY

Bond Program

The passage of the Budget Act of 1963, together with the supplementary Budget Act of the special session of 1963, appropriated almost \$133 million from the State Construction Program Fund (bonds) for working drawings, construction and equipment in the state colleges, the University of California, and the Departments of Youth Authority, Corrections, Mental Hygiene, and Conservation. Of this total about 87 percent or nearly \$116 million was for higher education with over \$69 million to the University of California and nearly \$47 million for the state colleges.

The capital expenditure program from the State Construction Program Fund (bonds) proposed for the 1964-65 fiscal year is substantially larger at over \$162,600,000, for the same group of agencies mentioned above. Of this total the portion for higher education represents only 74 percent or somewhat over \$120 million including more than \$61,700,000 for the university, which is less than in the past year, and over \$58,300,000 for the state colleges, which is substantially greater than in the past year. The total for higher education is about \$4,200,000 more than was provided at the 1963 session. The major shift in emphasis occurs in the Departments of the Youth Authority and Corrections where very substantially larger commitments are being proposed than was provided at the 1963 session. This emphasis involves the generation of a significant number of additional beds in both departments, including about 800 beds in a new institution at Tehachapi for the Department of Corrections and 800 beds in the Northern California Youth Center of the Youth Authority.

The final appropriations of the 1963 sessions, mentioned above, left an unappropriated balance in the State Construction Program Fund, available for future appropriations, of something over \$36,500,000 which is all that is now available to cover the proposals in the new budget mentioned above. In effect this means that there is, or will be, a deficit of about \$126 million in the program requested for the 1964-65 fiscal year. To cover this deficit there is to be proposed a new \$350 million bond issue to be placed before the electorate in 1964 which would cover the budget year and one additional year, the 1965-66 fiscal year, with again a balance left which would not be sufficient for the 1966-67 fiscal year.

General Fund

The General Fund appropriations made by the budget session and extra session of the 1963 Legislature totaled about \$33 million. More than half of this, over \$19 million, was for the special beach and park acquisition program which became Item 406.8 of the Budget Act of 1963. While the funds to cover this appropriation were nominally from the General Fund the proposal was based on the sale of certain bonds which were from a previous school bond authorization and which were supposed to cover a loan made from the General Fund for education purposes, some years ago.

The balance of the total appropriation which was from current General Fund moneys, was to cover minor construction in all the agencies

Bond Program—Continued

normally supported from the General Fund and a program of acquisition and development in the Division of Beaches and Parks. The proposal for the budget year for minor construction and the normal program of beach and park development in the Division of Beaches and Parks totals somewhat over \$13,300,000 which is roughly equivalent to the amount provided in 1963.

Higher Education

The summary of full-time equivalent students at the University of California as shown on page 857 of the printed budget when compared with a similar tabulation shown on page 754 of the printed budget for the 1963-64 fiscal year indicates some interesting and significant differences. The prior tabulation showed for the fall of 1963 an estimated 60,405 total for all campuses. The same year in the new tabulation has a substantial increase for a new total of 62,757, or over 2,300 students more than had previously been anticipated. For the fall of 1964 the prior tabulation shows 64,311 and the new tabulation shows 67,592, or over 3,200 more than had previously been projected. For the fall of 1965 the correction drops off somewhat, going from 69,559 in the prior tabulation to 72,391 in the new tabulation, an increase of about 2,800. For the fall of 1966 the correction continues to diminish, going from 75,097 in the prior tabulation to 76,587 in the new tabulation, an increase of only 1,500. In any case, the new tabulation shows a steady year-to-year increase of about 5,000 FTE which can reasonably be translated into annual requirements for capital investment, to accommodate the additional students, of from \$60 to \$75 million annually from state tax sources.

Similar tabulations for the state college system from the fall of 1963 through the fall of 1966 show very little significant variation between the two tabulations except for the fall of 1966 where the prior tabulation had 112,065, the new tabulation has 113,120, an increase correction of less than 1,100. In the new tabulation for the state colleges, there is an interesting year-to-year trend from the fall of 1963 through the fall of 1968. The increase from 1963 to 1964 totaled for all colleges is shown as about 7,700, from 1964 to 1965 it jumps to 10,200, from 1965 to 1966 it increases again to 10,900, from 1966 to 1967 it starts downward at 10,500 and from 1967 to 1968 there is a sharp drop to 8,900. The implications of these increases, assuming the current rates of utilization of the state college plants, would be an annual capital investment requirement of between \$50 and \$60 million to provide the spaces required to house the additional students. However, this could conceivably be radically changed by more intensive utilization of the existing and funded plant either by the techniques of the trimester or the quarter system or by simply raising the required rate of utilization for the conventional semester system now in effect. It is also interesting to note that for the fall enrollment of 1967 which is projected to be 123,610 there is estimated to be an existing and funded capacity of 104,945 based on master plan utilization standards, which calls for a 30-hour-a-week utilization of lecture rooms and 20-hour-a-

Higher Education—Continued

week utilization of laboratories. The excess of projected enrollment over calculated capacity represents about an 18 percent "overutilization." This does not seem to be significant in view of the relatively low utilization standards set by the master plan when compared to the available 45 hours of the week from 8 a.m. to 5 p.m., Monday through Friday.

Minor Construction

With respect to the minor construction program of the many agencies contained in the budget, much of which is ultimately handled by the Office of Architecture and Construction rather than by the individual agencies directly involved, with the exception of the state college program and the University of California, we have continued to participate in well-established procedures whereby we, together with agency and finance personnel, have checked each proposal in the field at the individual installations. We have reviewed each project in detail as to need, propriety of solution and cost estimate.

The two major exceptions to this procedure have been the installations of the Division of Forestry and the Division of Beaches and Parks. These organizations are so widespread that it has been impractical to attempt to check projects at each and every installation. Instead we have spot checked in some cases and in others relied on our familiarity with all of these installations which at some time or other we have visited and developed adequate familiarity for purposes of review.

Subsequent to field review we have met for conference review with the Department of Finance and with the several agencies at some central point either in Sacramento or in Los Angeles. These central reviews usually result in a substantial reduction in the number of proposals and the cost of others between the total number proposed and the number that are finally included in the budget. With very few exceptions, where we could not reach agreements, *we have recommended approval of the minor construction proposals contained in the several budgets.*

DEPARTMENT OF GENERAL SERVICES

ITEM 306 of the Budget Bill

Budget page 801

FOR LAND ACQUISITION, MAJOR AND MINOR CONSTRUCTION PROJECTS, DEPARTMENT OF GENERAL SERVICES, FROM THE GENERAL FUND

RECOMMENDATIONS

Amount budgeted	\$1,353,076
Recommended for approval	No change

ANALYSIS

This item would provide for a series of major land acquisition and alteration projects and two minor projects as follows:

(a) Land acquisition, statewide	\$100,000
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Department of General Services—Continued

The State's radio system is critically dependent for its operating efficiency on mountain top broadcasting locations, many of which are occupied under lease. These mountaintops are becoming in greater demand as private and public utility, and radio and TV systems expand so that there is some danger of losing some of these mountaintops when leases expire. Furthermore, the lease arrangements for access to the mountaintops is not always completely satisfactory. It is proposed to purchase a number of the mountaintops now under lease and additional mountaintops to substitute for unsatisfactory leased locations. It is difficult to estimate actual cost in a situation of this type, but we believe that the amount proposed is within reason. *We recommend approval.*

(b) *Alterations in Sacramento buildings*..... \$708,000

The new Retirement Building in Sacramento is scheduled for occupancy in October of 1964. Into it will be moved a number of agencies now occupying spaces in other state buildings as well as in leased areas. When these agencies are moved out of their present state-owned facilities, alterations will be required to make these spaces suitable for new state occupants. The project is relatively complex and it involves a number of buildings. Alterations of this type are quite difficult to estimate accurately, but based on the large scope of the project, we believe the amount proposed is not unreasonable. *Consequently, we recommend approval.*

(c) *Air-condition Office Building No. 1*..... \$233,000

Over the years Office Building No. 1 has received piecemeal air conditioning in portions of the building. The fifth floor particularly has been so altered and cut up that the present ventilation and air-conditioning system is almost useless and is certainly heavily overloaded. This project proposes to clean up the fifth-floor system by the installation of new centralized ductwork and centralized air-handling equipment. This should bring the area up to the standard enjoyed in the newer buildings. The project is complex and difficult, and estimates for such work are hard to develop with any degree of accuracy. Nevertheless, due to the size and scope of the project, we believe the amount proposed is not unreasonable. *We recommend approval.*

(d) *Replace elevators, State Capitol*..... \$125,000

The one elevator in the north portion of the old Capitol and the two in the south portion are now over 30 years old and have for the past few years given a great deal of trouble. It is proposed to replace these with modern fully automatic units which should not only speed up the movement of people, but reduce, or practically eliminate, breakdown time. We believe the proposal is well justified and the cost is in line for these facilities. *We recommend approval.*

(e) *Repaint State Capitol*..... \$90,200

Both the old State Capitol as well as the East Annex are now badly in need of paint work in the portions above the granite base. This is

Department of General Services—Continued

particularly true of the Capitol building itself. We believe a complete repainting is justified. It should be pointed out that the East Annex has not been repainted since it was constructed in 1951. *We recommend approval.*

(f) *Equip Stockton State Building*----- \$19,246

The Stockton State Building is scheduled for occupancy in March of 1965 and it is necessary to provide certain basic maintenance and operation equipment to run the building. This does not include any furnishings for the tenant agencies but involves such things as fire extinguishers, floor polishers, maintenance tools, etc. We have reviewed the list and it appears entirely reasonable for the purpose. *We recommend approval.*

(g) *Study of Sacramento City Garage*----- \$5,000

It has been proposed that a joint venture be undertaken between the city and the State for the construction of a multilevel parking facility on the south half of the block facing L Street from 11th to 10th which would include the demolition of the old Mull building. In order to carefully study the feasibility and the practicality of the proposal, funds are requested to cover the necessary work. We believe that the proposal is a sound approach to the problem. *We recommend approval.*

(h) *Minor projects* ----- \$72,630

This involves two substantial projects, one for reroofing the entire Capitol building, both the old and the East Wing, at \$36,630 in order to eliminate the numerous leaks which have developed even in the new building and the other, to continue the installation of the grounds sprinkler system in Capitol Park at \$36,000. The latter involves the agreement that over the long range, and by attrition, groundskeepers will be reduced in number which will ultimately more than pay for the automatic sprinkler system. *We recommend approval of both these minor projects.*

Department of Agriculture
MUSEUM OF SCIENCE AND INDUSTRY

ITEM 307 of the Budget Bill

Budget page 814

FOR MAJOR AND MINOR CONSTRUCTION, IMPROVEMENTS
AND EQUIPMENT, FROM THE GENERAL FUND

RECOMMENDATIONS

Amount budgeted ----- \$64,000

TOTAL RECOMMENDED REDUCTION----- None

ANALYSIS

This item will provide for one major project and several small minor projects each under \$5,000 in cost as follows:

(a) *Alter and reroof main museum building*----- \$55,000

Museum of Science and Industry—Continued

The roof on the main museum building is now about 53 years old and has some structural as well as watertightness problems which cause repeated leaks. Since the areas immediately beneath the roof are filled with valuable displays and other material, it would appear essential that the integrity of this roof be restored. The amount appears reasonable for the purpose and the size of the building. *We recommend approval.*

(b) *Minor projects* \$9,000

This will cover two projects, one to improve the functional qualities of the rear entryway in order to accommodate increasing attendance and the other to improve and repair certain permanent exhibits. *The amounts appear reasonable and we recommend approval.*

DEPARTMENT OF CORRECTIONS

ITEM 308 of the Budget Bill

Budget page 819

FOR MINOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT, DEPARTMENT OF CORRECTIONS FROM THE GENERAL FUND

RECOMMENDATIONS

Amount budgeted	\$478,664
Recommended for approval	469,664

TOTAL RECOMMENDED REDUCTION..... \$9,000

ANALYSIS

The minor construction program proposed represents a \$10,592 increase over the \$468,072 approved for the current year. The proposed projects are described briefly by institution in the order given in the budget as follows:

California Conservation Center \$2,500

Construction of a lath house is proposed as a basis of operation for the vocational horticulture class.

We recommend approval.

Southern Conservation Center..... \$22,506

The Southern Conservation Center is a base of operations for the seven conservation camps in the Southern California area. The recently funded Cuyamaca State Conservation Camp will be completed and operated as an arm of the Southern Conservation Center in 1964-65, and an \$11,006 equipment appropriation is required for the new camp.

Some of the receiving and release functions were originally intended to be handled in the adjacent California Institution for Men at Chino. However, it has been determined to be impractical from an operational viewpoint and it is necessary, therefore, to increase the size of the receiving and release building in the Southern Conservation Center for an estimated cost of \$11,500.

We recommend approval.

Department of Corrections—Continued

California Institution at Tehachapi..... \$11,000

Construction of a vocational shop designed to provide for teaching the silk screen process is proposed.

We recommend approval.

Correctional training facility..... \$70,516

A new quarry tile floor will be laid in the bakery, the bread storage room will be enlarged, bakery equipment will be renovated and the area will be painted for a total of \$27,170. The most critical need is for the quarry tile floor and the remaining items should be completed at this time so that adequate renovation is possible in one project. The screen that will be installed in the adjustment center along the catwalk, opposite the cells, is required to eliminate the danger of inmates or correctional officers being pushed over the rail in the event of a disturbance. The cost is \$3,400. A sprinkler system will be installed in an industries warehouse for \$8,500. Laundry equipment worn beyond the point of economical maintenance will be replaced for \$5,240 and the reservoir roof that is structurally unsound because of dry rot will be replaced for \$15,200. The new conservation camp at Piney Creek will be equipped for \$11,006.

We recommend approval of the six minor projects requested.

Deuel Vocational Institution..... \$65,150

The Department of Corrections maintains that this institution does not have sufficient capacity to properly handle the most unruly members of the population. It is therefore proposed to convert the K-wing adjacent to the maximum security unit to maximum security type custody. The construction involves installation of sally port control for entering and departing inmates, construction of a screen to prevent the inmates from throwing objects at the correctional officers, and other similar safeguards. A maximum security unit is normally provided with a higher staff ratio than in other areas. The decision to classify an inmate in such a manner that he must be housed in such a secure cell is highly subjective. The construction proposed will afford the institution the opportunity to house inmates of a marginal nature in a more secure situation and a justification for richer staffing will have to be substantiated on its own merits. We therefore recommend approval of this project subject to assurance from the department that additional staff will not be inherently required by the design.

Continued improvement in the farm operation requires installation of a concrete pipeline for irrigation water distribution in lieu of the present open ditch. A fire sprinkler system is required in the new industry warehouse. Feather pillows and mattresses are made by the industries trades at this institution but the present location of the operation is such that it is difficult to confine the feathers to the immediate working area. It is therefore proposed that a room be constructed for this purpose for \$5,000.

A storage shed will be constructed for the dies that are required for the metal shop, for \$3,800. This project will accomplish two purposes;

Department of Corrections—Continued

it will free space in the overcrowded metal working shop and it will insure more adequate control of the expensive dies. The inmate canteen will be extended for \$2,500 to relieve congestion in a major traffic corridor.

We recommend approval of the proposed projects.

State prison at Folsom----- \$107,253

The seven minor projects proposed for the State Prison at Folsom are related to service and maintenance type activities. There are two projects that involve paving roads for \$14,109 and \$11,784 each; a third project involves construction of a butler building for the outside pot washing area adjacent to the kitchen; the fourth project is to replace an oven in the kitchen for \$26,000; the fifth project is to replace laundry equipment for \$18,000; the sixth project is to reroof the No. 3 cell block for \$18,560, and the last project is to construct a hay shed for \$10,000. *We recommend approval of all requested projects.*

Medical facility----- \$4,055

The project proposed is required to purchase irrigation pipe that will be installed by inmates to extend the farming program.

We recommend approval.

Men's Colony, east facility----- \$35,761

The gym at the east facility was constructed with one side open in an attempt to save construction expense and to provide more flexibility. This has not been a satisfactory solution to the problem. The open side has been closed and heating is now proposed for \$9,342. The four corners of each of the quads are enclosed by a high chain link fence and have been found to be the most vulnerable security risk. It is proposed to install metal fence siding similar to that used experimentally in one of the quads. The total cost is \$9,669. The normal heat build up in the bakery is accentuated by an inadequate ventilation system which will be improved for \$7,750.

We recommend approval of these three projects.

A \$9,000 project is proposed as the second increment of landscaping the front of the institution. The total cost, in accordance with the department's proposed plans, will be over \$60,000. We questioned the cost of this magnitude prior to the 1963-64 Budget Session and supported a \$9,000 proposal which was intended to buy minimum landscaping materials with which to do as much as possible with inmate labor. It was our understanding that the \$9,000 would be the total amount expended.

We recommend disapproval of the additional \$9,000 proposed.

Institution for Men—Soledad----- \$79,930

The dairy has been operating without sufficient steam capacity since expanding the herd to provide service to Metropolitan State Hospital and the Youth Training School. The present 24-horsepower boiler cannot service the pasteurizer and can washer. It is therefore necessary to

Department of Corrections—Continued

purchase and install a 60-horsepower replacement for \$8,000. Well No. 4 was drilled 60 years ago and has a capacity of 875 gallons per minute. It was extended to its maximum depth of 100 feet in 1956, but the water table has dropped. It is proposed to drill a 16-inch well, 450 feet deep with a capacity of 1,200 gallons per minute. The estimated cost is \$20,000.

The county sheriffs' offices that transport the major portion of the inmates received at the California Institution for Men are performing this task in large buses. The reception center is therefore subject to peak loads that it cannot efficiently handle. It is proposed to enlarge the receiving and release area for an estimated cost of \$40,430. The laundry and kitchen demand on the central boiler is such that hot water supply is not assured to the reception-guidance center as required. It is therefore proposed to install three 1,500 to 2,000 gallon hot water tanks in the reception guidance center to handle the local needs. *We recommend approval of the proposed projects.*

Men's Colony, west facility----- \$10,600

An army surplus barracks building similar to those comprising the greater part of this institution will be moved to provide additional space for electronics instruction.

We recommend approval.

State Prison at San Quentin----- \$60,893

A fieldhouse with dressing rooms and showers will be constructed adjacent to the new athletic field for \$5,220 and will alleviate the requirement of bringing visiting teams through custody, to the inside of the prison. Obsolete X-ray and electrocardiograph equipment will be replaced for \$34,500 and \$10,500 respectively. The new athletic area will be equipped for \$2,456, the cooling tower for the food service department will be replaced for \$4,919 and a fence will be constructed around the landscaped classroom area.

We recommend approval of the proposed projects.

California Institution for Women----- \$8,500

A long-needed warehouse that will become even more necessary with the completion of the new facilities under construction is proposed for a cost of \$8,500.

We recommend approval.

DEPARTMENT OF THE YOUTH AUTHORITY

ITEM 309 of the Budget Bill

Budget page 839

FOR MINOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT, DEPARTMENT OF THE YOUTH AUTHORITY, FROM THE GENERAL FUND

RECOMMENDATIONS

Amount budgeted ----- \$411,100
 Recommended for approval ----- No change

Department of the Youth Authority—Continued
ANALYSIS

This item proposes a lump sum appropriation covering all the Youth Authority institutions. The lump sum technique was first used in the Budget Act of 1963. At that time the total amount was \$414,190, approximately the same as the amount proposed. The projects, by institution, are as follows:

Northern California Reception Center and Clinic..... \$23,700

The capacity of the electric motor that services water well pump No. 1 will be increased from 40 to 50 horsepower and a gasoline engine will be purchased to operate during electrical power outages to insure a dependable water supply. The cost is \$7,400. The second increment to provide automatic lawn sprinklers will cost \$16,300 and is required because of the limited use that can be made of the boys in their short stay at the clinic. *We recommend approval.*

Southern California Reception Center and Clinic..... \$71,400

The light level in the school and related offices will be increased to present day standards for \$7,400. Freezer and cold food storage capacity will be increased to enable the institution to take advantage of purchasing frozen foods in large quantities for reduced cost. Estimated cost of the construction will be \$24,000.

The administration building will be air conditioned for \$40,000. Air conditioning has been provided in state office buildings for a number of years in recognition of an attempt to get maximum work efficiency from employees.

We recommend approval.

Youth Authority Conservation Camps for Boys..... \$8,900

A maintenance shop and storage building will be constructed at the Washington Ridge Camp. Failure to provide this facility was an oversight in the original design.

We recommend approval.

Fricot Ranch School for Boys..... \$30,600

The first project involves increasing the electrical capacity because of the increased use of electrical appliances in the various structures served. The cost of this is \$16,000. A staff residence will be constructed for \$14,600 to replace one that was demolished because it was condemned. The inaccessible location of the Fricot Ranch School for Boys requires that considerable staff housing be provided.

We recommend approval.

Paso Robles School for Boys..... \$53,700

Numerous electrical failures caused the Paso Robles School for Boys to request a study by the office of Architecture and Construction of the institution's high voltage distribution system. They recommended that the system be completely checked out and rehabilitated at an estimated \$36,500 cost. Increased refrigerated storage space for the kitchen area

Department of the Youth Authority—Continued

will be provided for \$17,200 to enable the school to take advantage of the savings made possible by purchase of frozen foods.

We recommend approval.

Preston School of Industry----- \$138,000

It is necessary to replace 900 feet of 24-inch water line with 14-inch water line because of the deteriorated condition of the pipe. This line carries water from the forebay reservoir to the main part of the institution for fire protection, flushing water, showers, lawn irrigation, and to operate a Pelton wheel for the generation of DC electric power for emergency use. Two projects are required to improve the laundry. A washer extractor unit and a folding machine will be purchased to increase capacity to alleviate the need for working overtime shifts and the receiving and sorting areas of the laundry will be extended by an addition so that it will not be necessary to unload the dirty laundry and let it stand in the weather until it can be moved inside. The cost of these two projects are \$23,000 and \$38,300, respectively.

A first increment of a project to provide outside activity areas adjacent to the ward living units will be completed for \$38,000. Deteriorated roads will be refurbished for \$14,000. A new heating and cooling system will be provided for the superintendent's residence for \$8,500.

We recommend approval.

Youth Training School----- \$3,200

Materials will be purchased for \$3,200 and labor will be provided by the boys as part of their training program to develop additional outside working areas adjacent to the industrial shops.

We recommend approval.

Los Guilucos School for Girls----- \$56,900

It was determined that it would cost \$113,200 to make the necessary alterations and improvement to the existing swimming pool at the school and therefor the alternative of providing a new and considerably smaller pool for \$30,000 was accepted. It is also necessary to construct a storage building to replace an old chicken coop that has been used for the purpose.

We recommend approval.

Ventura School for Girls----- \$24,700

A \$21,900 expenditure is required to provide additional pressing capacity in the central laundry because of the need to shift the major part of the work from the living units to the central laundry. A \$2,800 project is required to provide sidewalks in key locations of school property now that the school has been operating long enough for the girls to have established their preference as indicated by the paths that have developed.

We recommend approval.

Department of Education
CALIFORNIA SCHOOL FOR THE BLIND

ITEM 310 of the Budget Bill

Budget page 852

FOR MINOR CONSTRUCTION, IMPROVEMENTS AND
EQUIPMENT, CALIFORNIA SCHOOL FOR THE BLIND
FROM THE GENERAL FUND

RECOMMENDATIONS

Amount budgeted ----- \$6,000
Recommended for approval ----- No change

ANALYSIS

It is proposed to install a tile wainscot over the porous concrete blocks in the kitchen and dishwashing room for \$6,000. This treatment is normally provided in new facilities of this kind and is *recommended for approval.*

Department of Education
CALIFORNIA SCHOOL FOR THE DEAF, BERKELEY

ITEM 311 of the Budget Bill

Budget page 854

FOR MINOR CONSTRUCTION, IMPROVEMENTS AND
EQUIPMENT, CALIFORNIA SCHOOL FOR THE
DEAF, BERKELEY, FROM THE GENERAL FUND

RECOMMENDATIONS

Amount budgeted ----- \$5,000
Recommended for approval ----- None

TOTAL RECOMMENDED REDUCTION ----- \$5,000

ANALYSIS

It is contended that the existence of cracks in the concrete floor in the bakery causes the floor to be unsightly and unsanitary and it is proposed that vinyl floor covering be applied to correct these two objections. It does not seem appropriate to spend \$5,000 so that the bakery floor will appear attractive, and the fact that each vinyl tile will be surrounded by four joints causes a greater total of cracks or joints in the floor after application of the tile than prior to its application. *It is therefore recommended that this item be disapproved.*

Department of Education
CALIFORNIA SCHOOL FOR THE DEAF, RIVERSIDE

ITEM 312 of the Budget Bill

Budget page 854

FOR MINOR CONSTRUCTION, IMPROVEMENTS AND
EQUIPMENT, CALIFORNIA SCHOOL FOR THE DEAF
RIVERSIDE, FROM THE GENERAL FUND

RECOMMENDATIONS

Amount budgeted ----- \$12,242
Recommended for approval ----- No change

ANALYSIS

There are four projects proposed to be completed for the School for the Deaf, Riverside. Two of them involve resurfacing asphalt play

California School for the Deaf, Riverside—Continued

courts, the third is installation of a service road, and the fourth is for the replacement of a hot water line. *We recommend approval of the four projects.*

UNIVERSITY OF CALIFORNIA

ITEM 313 of the Budget Bill

Budget page 856

FOR MINOR CONSTRUCTION, IMPROVEMENTS, AND EQUIPMENT, UNIVERSITY OF CALIFORNIA FROM THE GENERAL FUND

RECOMMENDATIONS

Amount budgeted ----- \$1,996,100
 Recommended for approval ----- No change

ANALYSIS

The proposed minor construction budget of \$1,996,100 is \$46,700 greater than approved in the 1963-64 Budget Bill. A brief description of the projects is presented in the order of the budget arrangement as follows:

Statewide ----- \$149,700

Three of these projects are related to agriculture; a cattle feeding facility to be constructed for \$40,000 at the Imperial Valley Field Station, an irrigation system will be established at the Tulelake Field Station for \$12,500, and five acres of land will be restored at the San Jose Area Deciduous Fruit Field Station for \$16,000. A duplex apartment unit will be constructed at Mt. Hamilton for \$32,500 to house married graduate students and \$5,700 will be provided for a second Mt. Hamilton project, a liquid air machine building, and to renovate space for the dark room. An equipment storage structure is proposed for the South Coast Field Station for \$43,000. *We recommend approval.*

Berkeley ----- \$463,900

The service and storage facility at Richmond will be used to house a portion of the library collection that is infrequently used and a modification to the sprinkler system is required to insure against accidentally discharging the system and ruining the library collection. Wartime housing has been demolished at the Gill Tract and it is necessary to fence and develop the land vacated for agricultural research purposes. Three greenhouses in the Oxford Tract will be altered to supply the proper air system at an estimated cost of \$50,000. Two alterations will be completed in the life sciences building for \$31,500 and \$29,600 to provide facilities required by a revised program. A sun screen will be constructed to shade the Donner laboratory and is required to prevent excessive heat buildup. Cost of the sun screen will be \$50,000. Acoustical tile will be applied in various areas for \$50,000 and the underground communication system will be expanded for \$42,500. Plant growth chambers will be purchased and installed in Hilgard Hall and Oxford Tract for \$20,000 and additional greenhouses will be constructed in the botanical gardens for \$38,500. Two elevators will be constructed in Warren Hall; the first is required to service the

University of California—Continued

six-story laboratory wing where the load has proven to be too great for the existing elevator, and the second is required for the public health library where it is necessary to transport books from one level to another. Cost of the two projects are \$50,000 and \$6,500 respectively. The final project involves remodeling portions of the forestry products laboratory for \$50,000. *We recommend approval.*

Davis ----- \$207,500

Four of the seven projects are required to provide controlled temperature and/or environment facilities necessary for the study of botany, animal husbandry, enzyme chemistry, and zoology, respectively. Two of the projects are required because new construction forces new location. The apiary must be relocated at a cost of \$50,000 and the irrigation and drainage field laboratory will be relocated for \$18,000. The final project is required because of increased need for student laboratory facilities in the Department of Pathology and will cost \$30,000. *We recommend approval.*

Los Angeles ----- \$346,100

The installation of a system to control fans, compressors, and pumps in 16 of the campus buildings, from the steam plant will cost \$50,000, but it is estimated that operational savings will be sufficient to recover this outlay in approximately six years. There are five projects that range in cost from \$5,000 to \$35,500 that are necessary to alter facilities that have been vacated by one teaching discipline to be replaced by another. Hazardous portions of the campus electrical system will be replaced for \$49,000, the high voltage system in the heating plant must be rerouted for \$49,200, and general campus lighting in various classrooms in Royce and Haines Halls and the physics-biology building must be improved for \$42,800. Completion of the new physics building on the campus released space in Kinsey Hall and enables improved utilization of the machine shop at a cost of \$6,700. An environmental architectural laboratory will be constructed on the roof of the College of Engineering for \$50,000. The final project involves a cost of \$5,400 to provide environmental control facilities. *We recommend approval.*

Los Angeles medical ----- \$66,600

Eight study rooms adjacent to the general study area of the biomedical laboratory must be modified to reduce the noise transmission from one to the other and to the general area for a cost of \$7,800. A \$15,000 expenditure is required to provide heating and cooling in the unfinished portion of the Marion Davies Children's Clinic so that use may be made of unfinished space. An exposed aggregate deck area that is very heavily traveled must be resurfaced for a cost of \$22,000. The installation was not satisfactory and there are numerous areas where the aggregate has popped causing a hazard to pedestrians. The Department of Pathology has expanded into space that was originally provided for storage and the ventilation system is not adequate to handle the human load. Correction of this situation will require a \$21,800 expenditure. *We recommend approval.*

University of California—Continued

Riverside ----- \$235,700

The chilled water distribution system from the central boiler plant will be extended to four new buildings for a cost of \$50,000. Two head-houses will be modified to provide for additional graduate student capacity for \$20,000 and \$10,000 respectively. The water supply system will be altered to insure adequate supply for future needs for a cost of \$45,000 and a new water still and storage tank will be installed on the roof of physical science unit No. 2 for \$7,000. Work room space will be provided for the agronomy field headquarters and a caretakers facility will be provided at the Boyd Desert Research Center for \$25,000 and \$8,700 respectively. The fire alarm system will be extended to the City of Riverside and a building will be constructed to handle the new centrex telephone system for \$20,000 and \$50,000 respectively. *We recommend approval.*

San Diego ----- \$160,000

Unfinished basement area in the new institute of geophysics and planetary physics building will be developed to provide offices, a radio-isotope counting laboratory and other laboratory and storage rooms for \$45,000. The display tanks in the Vaughan Hall Aquarium will be replaced by fiberglass tanks to eliminate the structural damage that has been caused by salt water leaks which eroded structural elements of the building. Estimated cost is \$50,000. Space that will be vacated by the school of science and engineering when it moves to its new facilities in the upper campus will be altered to provide laboratories for the Institute of Oceanography for \$50,000. Access will be provided to the outside service yard from offices and laboratories that will be renovated in the old portion of Ritter Hall for \$15,000. *We recommend approval.*

San Francisco ----- \$129,000

Elimination of hazards in the electrical distribution system requires the expenditure of \$36,200. Office space will be provided for the purchasing department in the laundry storehouse building at a cost of \$33,000. Additional offices for the school of nursing will be provided in a temporary building for \$6,100. Additional animal runs will be constructed for \$5,500 to keep pace with medical research activity. Expansion of the dental school requires addition to the school of dentistry practicing laboratory so that additional students can be accommodated. Estimated cost is \$28,000. The medical science library-history room **will be altered** at a cost of \$14,700. Exhaust fans on the roof of the medical science building that transmit a high noise level will be altered for \$5,500. *We recommend approval.*

Santa Barbara ----- \$172,600

Alterations to provide for new teaching functions will be made in two buildings for costs of \$35,000 and \$30,000. Fifty-nine electric power poles will be replaced for \$40,600, and the sea water pumphouse will be protected by the extension of additional sea wall for \$17,000. The University's share of constructing an outfall sewage line as proposed

University of California—Continued

by the Goleta Sanitary District will be \$50,000. *We recommend approval.*

Santa Cruz ----- \$65,000

Four of the five projects proposed for the Santa Cruz campus are related to site development and protective fencing and require a total expenditure of \$35,000. The fifth project involves the purchase of 600 book stacks to temporarily house the initial complement of 75,000 volumes for the library. The estimated cost of the book stacks is \$30,000. *We recommend approval.*

TRUSTEES OF THE CALIFORNIA STATE COLLEGES

ITEM 314 of the Budget Bill

Budget page 876

FOR MINOR CONSTRUCTION, IMPROVEMENT AND
EQUIPMENT, TRUSTEES OF THE CALIFORNIA
STATE COLLEGES, FROM THE GENERAL FUND

RECOMMENDATIONS

Amount budgeted	-----	\$1,029,050
Recommended for approval	-----	945,350
Recommended for special review	-----	50,000

TOTAL RECOMMENDED REDUCTION ----- \$33,700

ANALYSIS

Chico State College ----- \$99,250

The final increment of equipment related to the new corporation yard will cost \$40,000. A new well and irrigation system are proposed as part of the new farm development for \$20,000. Tennis courts will be resurfaced for \$17,500. There are seven projects that range in price from \$1,250 to \$5,000 and total \$21,750 that are required for better utilization of facilities, to improve the physical environment and to reduce grounds maintenance. *We recommend approval.*

Fresno State College ----- \$107,300

Four projects are proposed to improve the farm operation. They include farm fencing, the construction of new greenhouses, construction of a hay shed and the construction of a dairy corral fence. The prices are \$12,300, \$13,400, \$13,400 and \$3,600 respectively. The domestic water wells will be lowered for \$16,600 and equipment will be purchased for the new electronic engineering curriculum for \$48,000. *We recommend approval.*

California State College at Hayward ----- \$40,000

The two projects, requested for the state college at Hayward are required to construct a physical education storage building for \$10,000 and to remodel the computer system for \$30,000. *We recommend approval.*

Trustees of the California State Colleges—Continued

Humboldt State College----- \$68,000

It was agreed in our visit to the campus that the \$9,100 proposed to remodel the old library building could be reduced to \$6,700, therefore, *we recommend a reduction of \$2,400 for this project.* The final phase of equipping the auto mechanics laboratory requires \$33,000 and equipment for the geology laboratory will cost \$10,900. It is necessary to pave a temporary parking lot for \$8,000 and there are three projects, that require a total expenditure of \$7,000 that are necessary for bank stabilization and new storage facilities. *We recommend approval of the projects subject to the \$2,400 reduction noted above.*

Long Beach State College----- \$90,000

Fume hoods will be modified and new ones added in the science building for \$7,000. A shielded room will be constructed for a neutron generator at \$30,000. An outdoor eating area will be constructed and equipped for \$15,000 and the athletic field will be fenced for \$15,000. There are 10 projects requested that total \$23,000, four of which are associated with the little theater operation. *We recommend reduction of one of the projects,* the construction of a storage room for costumes at a cost of \$1,300. The costumes are stored on racks and in unused instrument cabinets and although these facilities were not designed for costume storage as such, they serve the purpose. *We recommend approval of the minor projects requested other than the \$1,300 as above.*

Los Angeles State College----- \$67,800

Miscellaneous alterations are required for the little theater for \$7,000 and the corridor in front of the music theater will be enclosed for \$2,500. Additional fume hoods are required in the science building for graduate study at \$10,000. A motorized system will be provided to operate the bleachers in the gymnasium for a cost of \$34,000 and is required to eliminate the possibility of injury to custodial personnel who must now move the bleachers by hand and to eliminate the possibility of the bleachers being racked out of shape thus requiring major expenditures for renovation. The remaining four projects range from \$800 to \$5,000 and provide for extension of the distilled water system in the science building, conversion of a temporary building to a science laboratory, the partitioning of an area in the library and installation of blackboards in north hall. *We recommend approval.*

Orange State College----- \$10,200

A science building was the first permanent building provided for the Orange State College Campus. It is intended that science laboratories will be converted from lecture rooms as liberal arts activities are moved into new facilities. This is one of many projects that will be financed in this fashion because of the design phases. *We recommend approval.*

Sacramento State College----- \$57,000

A warehouse building will be constructed for \$50,000 and is required for general storage and to house equipment that will be purchased for new facilities, until construction is completed. A heat exchanger will

Trustees of the California State Colleges—Continued

be installed in the administration building to correct a design deficiency, and exhaust fans will be installed in the gymnasium to remove excess heat load when the gymnasium is filled to capacity. *We recommend approval.*

San Diego State College----- \$90,400

A temporary building will be converted to a chemistry laboratory for \$35,000. Sewer line replacement is required at \$29,300. A mezzanine floor will be constructed in the fluid mechanics laboratory to extend the capability of the laboratory, for \$9,000. There are seven additional projects which range in cost from \$1,000 to \$4,500 and provide more efficient space utilization, correction of safety hazards, additional teaching space and more adequate electrical service. *We recommend approval.*

San Fernando Valley State College----- \$88,550

The final increment of equipment for the music building and the speech-drama building will cost \$48,000, and \$25,000 each, respectively. There are six projects that range in cost from \$1,100 to \$3,750. Three of these projects provide for minor alterations to the library. The remaining projects are required for improved maintenance. *We recommend approval.*

San Francisco State College----- \$57,800

The initial complement of equipment for the physics laboratory will cost \$34,000, and a general science classroom will be converted to a chemistry laboratory for \$13,000. Two projects are required for sound conditioning in the administration building; costs are \$2,800 and \$2,200 each, respectively. The stairway from the parking garage to the campus should be replaced because of its dangerous condition. The cost is estimated to be \$3,700. The electrical system of the library will be modified for \$2,100. *We recommend approval.*

San Jose State College----- \$93,700

We have not been provided specific information regarding a proposed \$30,000 sewer relocation. It is our understanding that this sewer will be relocated because of the impending construction of a new structure and if this is the case, its cost should be borne by a site development proposal. *On this basis we recommend a \$30,000 reduction for this item.*

Modification of the campus electrical system is required at \$50,000. There are five small projects ranging in cost from \$1,500 to \$4,000 required for more science laboratory space, adequate lighting, improvement of a large lecture hall, widening of walks, and mechanization of basketball backboards. *We recommend approval with the exception of the \$30,000 reduction recommended above.*

Sonoma State College----- \$50,000

Development of the corporation yard at Sonoma State College is being funded in stages as required. We have not received drawings or

Trustees of the California State Colleges—Continued

estimates to substantiate the cost proposed. *We recommend this project be given special review.*

California State Polytechnic College at San Luis Obispo----- \$80,600

The underground electrical services must be replaced in certain areas for \$9,200; street lights are required on California Boulevard at \$6,800. Certain modifications are required in the air-conditioning laboratory that will cost \$13,000. The second phase of providing sun screens for the science building will cost \$15,000. Equipment will be provided for the engineering strength laboratory for \$5,500 and the area adjacent to the machine shop will be graded and paved for \$5,700. The child care laboratory patio will be modified for \$12,000. The five remaining projects range in cost from \$1,500 to \$4,000 and include installation of fume hoods in the science building and an exhaust hood in the home economics department; sidewalk improvements and improvements to the agricultural area. *We recommend approval.*

California State Polytechnic College—Kellogg-Voorhis----- \$28,450

The fence for the Arabian horse area will be replaced for \$5,500 and the experimental citrus orchard will be fenced for \$5,300. Improvements will be made to the biological science greenhouse so that temperatures and atmosphere can be controlled as required, for \$100,000. There are four projects that cost from \$650 to \$3,600 and total \$7,650 that are required for improved ventilation, additional fencing and more efficient classroom utilization. *We recommend approval.*

**Department of Education
CALIFORNIA MARITIME ACADEMY**

ITEM 315 of the Budget Bill

Budget page 915

**FOR MINOR CONSTRUCTION, IMPROVEMENTS AND
EQUIPMENT, CALIFORNIA MARITIME
ACADEMY, FROM THE GENERAL FUND**

RECOMMENDATIONS

Amount budgeted -----	\$16,600
Recommended for approval -----	No change

ANALYSIS

Two projects are proposed. The first involves installing curbs and gutters required to prevent deterioration of the roads. The second involves the purchase and installation of a boiler on the shore to heat the ship during the months that training is provided in port. The new boiler will cost \$11,600 but, because of the shore side installation, will enable the purchase of less expensive fuel and therefore some operating savings. The present boiler on the ship is obsolete and in very poor condition. *We recommend approval.*

DEPARTMENT OF EMPLOYMENT

ITEM 316 of the Budget Bill

Budget page 916

FOR MAJOR LAND ACQUISITION AND MINOR
CONSTRUCTION FROM THE DEPARTMENT
OF EMPLOYMENT CONTINGENT FUND

RECOMMENDATIONS

Amount budgeted -----	\$2,008,907
Recommended for approval -----	No change

ANALYSIS

This item would provide for the acquisition of sites for the future construction of four new office buildings and one new parking lot and two minor construction projects which are described below.

(a) *Land acquisition, San Jose* ----- \$900,000

We have recommended approval of these projects as individual building proposals or land acquisitions which are consistent with state standards. However, the total scope of the program and the method of financing presents a significant policy with which the Legislature should be familiar. It is stated in the budget justification that this is part of a long-range building program which proposes to replace leased premises with state-owned buildings to be financed from the Department of Employment Contingent Fund. Since the unemployment insurance program is a federally financed activity with costs of administration, including rental cost for necessary building space, paid out of federal funds the Legislature has had before it at various times the policy issue of whether the State should use its available resources to provide state-owned office space for a federally financed activity on the same basis and under the same financial inducements as would be the case of a wholly state-financed activity. In the past, some major projects of the department have been deleted by the Legislature on this basis. Others have been approved, and, unfortunately, the issue is complicated by the fact that the department administers both state-supported and federally supported programs. Within recent years most of the capital outlay projects from the Department of Employment Contingent Fund have been limited to alterations or additions to, or parking facilities for, existing buildings. The proposal this year differs in that it includes considerable land acquisition for new locations and will be something of a commitment to the completion, over a period of time, of buildings which will replace leased space for the Department of Employment with annual outlays of \$2 million or more from the Department of Employment Contingent Fund.

The San Jose operations of the department are presently housed in six separate leased facilities. It is proposed to consolidate these in two separate state-owned buildings, either on a single site or on two sites convenient to each other. The proposal contemplates about 3½ acres of land which, based on experience in purchasing land for San Jose State College, would run anywhere from \$750,000 to \$1 million depending on location and degree of improvements. The ultimate development would provide about 50,000 square feet of building and off-street parking for about 300 vehicles. *We recommend approval.*

Department of Employment—Continued

(b) *Land acquisition, Sacramento*..... \$400,000

This proposal involves the purchase of additional land in the vicinity of the main employment headquarters building in downtown Sacramento where parking is already a serious problem. A portion of the existing parking area behind the main building is to be taken for building construction which will further compound the parking problem. It is proposed to buy somewhat over an acre or enough land to handle about 180 vehicles. The cost appears to be in line with recent experience in the area. *We recommend approval.*

(c) *Land acquisition, Palo Alto*..... \$375,000

The Palo Alto operations of the department are presently housed in premises under lease due to expire in April of 1967. Additional building space and parking area are required and consequently it is proposed to erect a state-owned building on a state-owned site. This proposal would purchase about 2½ acres which would provide area for about 16,000 gross square feet of building and parking area for about 150 cars. The cost appears to be in line with the rising real estate market in Palo Alto. *We recommend approval.*

(d) *Land acquisition, San Luis Obispo*..... \$150,000

The operations of the department in San Luis Obispo are housed in overcrowded facilities. It is contemplated that a building of at least 10,000 gross square feet is required and accommodations for parking about 100 vehicles which would indicate a total need of about one acre of land. We are not familiar with recent land costs in San Luis Obispo but we assume that the figure has had some research. *Consequently we recommend approval.*

(e) *Land acquisition, Oroville*..... \$125,000

The Oroville operations of the department are presently housed in facilities under lease due to expire in February in 1967. Present conditions are becoming crowded and additional office area is required. The proposed building would have about 8,000 gross square feet of area and accommodations for parking 100 vehicles would be provided, indicating a total need of about one acre of land. We are not familiar with current land values in Oroville but assume that the figure has been researched by the acquisition office. *We recommend approval.*

(f) *Preliminary plans* \$35,000

This will provide funds for the preparation of preliminary plans and specifications for projects to be presented to the 1965 session of the Legislature. This carries out the same policy with respect to a special fund that is established for General Fund agencies. *We recommend approval.*

(g) *Minor projects* \$23,907

This would provide for two minor projects, one which would remodel the cafeteria facilities in the San Francisco building in order to provide expanded dining area and kitchen service facilities to serve the grow-

Department of Employment—Continued

ing demand on the facility. This would cost about \$12,000. The other would provide for a small parking area to accommodate 35 vehicles at the department's facility in San Francisco where parking is now a serious problem. This would cost \$11,907. *We recommend approval of both projects.*

DEPARTMENT OF MENTAL HYGIENE

ITEM 317 OF THE BUDGET BILL

Budget page 926

FOR MINOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT,
DEPARTMENT OF MENTAL HYGIENE,
FROM THE GENERAL FUND

RECOMMENDATIONS

Amount budgeted	\$1,174,904
Recommended for approval	1,125,004
Recommended for special review	49,900

ANALYSIS

The minor construction program proposed is \$97,524 greater than the \$1,076,380 approved for the current year. It is difficult to isolate a specific reason for the increase. The program has been given detailed review and with the exception of one project recommended for special review by the Legislature, it is considered to be justified. A brief description of the various projects arranged in the order of the budget presentation follows:

Langley Porter Neuropsychiatric Institute..... \$16,500

Minor alterations are required to make effective use of office space for the Langley Porter staff which has grown beyond the capacity of the existing structure. Five small items ranging in price from \$1,400 to \$3,500 are required for improved patient services and for more efficient employee utilization.

We recommend approval.

Neuropsychiatric Institute at UCLA..... \$14,404

Miscellaneous alterations will be completed in the psychiatric wards for \$6,000. The serving kitchens will be altered for \$4,654, a fire alarm system will be installed for \$1,000, an exhaust fan will be installed in the rehabilitation shop for \$750, and fly fans will be installed in the receiving area for \$2,000.

We recommend approval.

Agnews State Hospital..... \$156,600

Three projects are proposed that are of direct benefit to the patients. The first, estimated to cost \$36,600, involves installing two elevators so that elderly, semiambulatory patients may be housed on the second floor in existing wards. It is required because of the increasing number of such patients at this hospital. The second and third projects involve providing beauty or barber shops and laundry rooms in certain wards

Department of Mental Hygiene—Continued

and enclosing porches to provide additional day room space in other wards. The estimated cost is \$7,500 and \$16,500 each, respectively.

The remaining projects are required for effective maintenance and safety. They include the third increment of four required to replace defective switch gear and electrical cable; the installation of pumps in the condensate return system to reduce corrosion; the installation of surface drainage, curbs, gutters, paving and lawn sprinkler systems in the east area; the installation of a chain link fence to deter vandals, and the elimination of fire and safety hazards.

We recommend approval.

Atascadero State Hospital----- \$42,000

Defective washer controls will be replaced and automatic pants pressers will be purchased to upgrade the laundry operation for \$16,000.

Fire and safety hazards that can be remedied in the laundry area will require \$16,000.

Building exteriors will be sandblasted, repaired and painted for \$10,000.

We recommend approval.

Camarillo State Hospital----- \$131,300

General renovation of Wards 10 and 10A that will include replacement of heaters, light fixtures, water closets, wash fountains, drinking fountains, screens, windows, and sanitary drain piping, will cost \$22,800. The normal damage inflicted by the patients in the children's unit wards will be repaired for \$15,000 and a new fence will be installed for \$5,000. The hospital maintenance program will be bolstered by improvement to the sewage treatment plant for \$7,500, by retubing a boiler for \$22,000, and by construction of a well to insure the necessary water supply for \$35,000. A landscaped area will be developed in the vicinity of the recently completed swimming pool (constructed with donated funds) for \$20,000 and refrigerated water coolers will be installed in key locations for \$4,000.

We recommend approval.

DeWitt State Hospital----- \$100,500

A new X-ray unit will be purchased to replace a 1947 model that not only does not perform up to present day standards but has become almost impossible to maintain. Cost of the replacement is \$39,000. It is also necessary to replace two new washers at \$22,000 each to maintain the required laundry production. A fence will be constructed around the reservoir and effluent pond primarily as protection against patient accidents. The cost of the fence is \$7,500 and its need is considered more critical since the conversion of part of this hospital to treatment of the mentally retarded. Toilet facilities will be provided adjacent to the chapel for \$5,000 and the laundry room floor will be leveled and refurbished for \$5,000.

We recommend approval.

Department of Mental Hygiene—Continued

Mendocino State Hospital ----- \$75,500

Hand rails will be installed for \$5,000 in a geriatric ward to enable patients to move about without the aid of a technician and to minimize the possibility of falls. There are four maintenance projects requiring a total of \$26,400. These involve replacing the electrical wiring in Wards 1, 2, and 4; replacing the cast iron radiators and one pipe steam system in Building 8 (which is approximately 60 years old) with convectors and a steam and condensate return system; installation of new street light standards and construction of soiled linen rooms. There are seven projects ranging in cost from \$1,100 to \$4,500, and totaling \$17,000 that are primarily related to improved patient services.

We recommend approval.

Metropolitan State Hospital ----- \$75,500

Water and sewer lines that are corroded to the point that efficiency is only a fraction of the intended design will be replaced for \$28,900. Acoustical tile will be removed from ward and dining rooms because it has been found that roaches cannot be controlled at this hospital where the acoustical tile provides a safe harbor. Circulating pumps to be installed in the hot water system in a number of the older wards will insure a supply of hot water to all outlets regardless of the number of other outlets being used. Cost of these pumps is estimated to be \$10,600. A storm drain will be constructed for \$8,000 to alleviate both a safety and health hazard in the form of an open ditch that meanders through the hospital grounds. Fly fans will be installed for \$5,000, screen doors will be installed for \$3,000, and yard shelters designed to provide shade for patients will be constructed for \$4,000.

We recommend approval.

Modesto State Hospital ----- \$40,000

A \$50,000 appropriation was made in 1961-62, \$100,000 in 1962-63, and \$100,000 in 1963-64 for the purpose of developing plans for a 1,000-bed hospital and community treatment center to replace the existing hospital at Modesto. Minor construction projects proposed for this hospital are therefore held to a minimum because of the impending new construction. A bakery oven will be purchased and installed for \$15,000 and can be reinstalled in a new kitchen if and when one is constructed. Laundry equipment purchased for \$10,000 may also be moved if necessary. The remaining items proposed are required in order to provide the minimum maintenance service necessary for the hospital. They include installation of floor covering in certain wards for \$4,000, installation of a new transformer to augment the existing overloaded electrical system and replacement of corridor ramps that have deteriorated to the point of danger.

We recommend approval.

Napa State Hospital ----- \$105,200

The first project proposes \$49,900 to complete the second phase of remodeling the receiving and treatment building. Budget drawings,

Department of Mental Hygiene—Continued

specifications and estimates are not complete and therefore we recommend special review by the Legislature.

Renovations required in the children's unit will cost \$20,000. A major portion of this cost is required to remove the existing suspended ceiling, because of the tendency of the children to find a way into the plenum space to hide. An oxygen system will be installed in the receiving and treatment building that will provide an outlet at bed-sides similar to an electrical outlet. Installation of this sort of system alleviates the necessity of moving portable units and enables purchase of the oxygen in larger quantities at reduced cost. Installation of an automatic sprinkler system to reduce maintenance workload requires a \$10,000 expenditure and \$8,000 is necessary as the State's (17 percent) share for improvements to the Napa sewage treatment plant. Four other projects range in price from \$1,000 to \$3,900 and result in improvements to the laundry and more comfort for patients.

We recommend approval of all the proposals except the receiving and treatment building project which is recommended for special review.

Patton State Hospital----- \$97,700

Modifications required to comply with the air pollution control district recommendations will be made to the tuberculosis hospital incinerators for \$12,000. Sun screens will be installed on the south and west exposures of specified ward buildings to reduce the heat load for \$7,900. Wards 5, 6, 7 and 8 will be modified to provide a more functional arrangement of space so that more effective use may be made of the staff. The cost is \$5,000. The incremental installation of dishwashers in wards is continued for \$15,400. The primary purpose for this type of installation is to insure that the proper wash water temperature is maintained to prevent the spread of disease.

The second and final phase required to provide electrical capacity sufficient to comply with the county code will be completed with the installation of a new 37½-KVA transformer and related equipment. Existing hardwood floors that have been sanded and refinished to the point that they are worn down to the tongue and groove in certain areas will be improved by the application of asphalt tile for \$9,000. A landscape recreation area will be provided for the mentally retarded patients for \$9,500. The canteen building kitchen will be altered to comply with public health requirements for \$5,800, and eight additional projects necessary for patient services and deferred maintenance will cost \$25,800.

We recommend approval.

Stockton State Hospital----- \$94,400

Equipment will be purchased for \$5,900 as the second increment for the new hospital central supply area. There has been extensive commercial development in the area surrounding the north hospital area and completion of a large shopping center directly across the street will be accompanied by the installation of a traffic light. For the safety of

Department of Mental Hygiene—Continued

those entering the hospital it is necessary to reroute the entrance road so that benefit of the traffic light may be had. Cost of this project is \$10,500. A sand trap will be purchased and installed for \$6,600 so that sand in the water pumped from the well may be segregated and not circulated through valves and equipment that it would damage. Cottages 4 and 5 in the north area are partially wood frame and must have sprinkler provision to satisfy requirements of the State Fire Marshal. Cost of installation of the fire sprinklers will be \$6,000. Two projects for \$5,000 and \$11,500 each are related to an attempt to cool the laundry building and to cool cottage 12 in the north area. Hoods will be hung over presses and exhausted to the outside in the laundry and evaporative coolers will provide cool air to the laundry and to cottage 12. The light level will be increased and a barber shop and a drug room will be provided in cottage D1 for \$10,250. The first increment is proposed to improve the roads and to provide curb and gutters in the north area. The cost is \$20,000, but it is anticipated that if the job is done now, higher cost will be saved in the future. There are six projects ranging in cost from \$2,000 to \$4,250 that are required to eliminate hazards and to improve maintenance.

We recommend approval.

Fairview State Hospital----- \$35,100

Vinyl floor installation in ward areas with concrete floors is proposed for \$10,000 and wire glass substitution for clear glass to separate ward areas and comply with fire code requirements will be completed for \$5,000. Segregation of infectious material analysis in the clinical laboratory will be accomplished in the hospital for \$6,100. There are five minor projects ranging in cost from \$1,200 to \$4,000 that are necessary to enable bedridden patients to be wheeled to the outside, provide additional freezer space in the kitchen area, pave a dirt parking lot, install garbage disposals, and install sun protection awnings on the acute treatment wards.

We recommend approval.

Pacific State Hospital----- \$68,100

The eighth increment necessary to provide adequate bathing and hand washing facilities for infirm and untidy ambulatory wards is proposed for \$11,500. The serving kitchen in building 13 was constructed in 1940 and does not provide an opportunity for the staff to efficiently serve meals to the patients. The kitchen will be enlarged and remodeled for \$39,700.

The second and final phase of the project to house ground maintenance materials and equipment will be provided for \$6,000. The remaining \$10,900 will fund four projects required to improve services for employees and patients.

We recommend approval.

Porterville State Hospital----- \$67,900

It is necessary to replace unshielded primary electric cable with the shielded type because the physical conditions of the raceway carrying

Department of Mental Hygiene—Continued

the cable have caused it to burn out numerous times in the past. The cost for replacement for each burnout has ranged from \$500 to \$1,000, and the possibility of such a failure removing from operation key facilities of the hospital is such that it is necessary to invest the \$30,000 required for replacement. Revisions must be made to the sewer plant facilities because the odor is so distinct that the neighboring community is exerting pressure upon the hospital administration for relief. The four projects under \$5,000 and totaling \$7,900 include improvements to the ground irrigation system, improvements to the dental clinic and improvements to the wards.

We recommend approval.

Sonoma State Hospital----- \$80,600

Hand washing and bathing facilities will be installed to augment those existing in infirm and untidy wards for \$20,000. The exercise yards for patients will be paved to provide a more sanitary playing area for \$5,000. A drain will be provided for ward loading dock areas where it is impossible to clean the dock without having soapy water standing around and deteriorating pavements, and the paved area in front of the loading docks at the kitchen will be leveled and repaved to alleviate a similar problem. Each project will cost \$5,000. Fly fans will be installed at various locations for \$5,000. The first increment of a project required to repair tile roofs on various buildings is proposed for \$25,000. The remaining six projects will vary in cost from \$1,000 to \$4,700 and total \$15,600. They are related to patient benefits and improved maintenance.

We recommend approval.

DEPARTMENT OF PUBLIC HEALTH

ITEM 318 of the Budget Bill

Budget page 950

FOR LAND ACQUISITION, MAJOR CONSTRUCTION AND EQUIPMENT, DEPARTMENT OF PUBLIC HEALTH, FROM THE GENERAL FUND

RECOMMENDATIONS

Amount budgeted	-----	\$165,350
Recommended for approval	-----	None

TOTAL RECOMMENDED REDUCTION	-----	\$165,350
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ANALYSIS

This item consists of donations of state funds towards construction and equipment of a cancer research facility in Berkeley which was to be wholly financed by federal funds as part of a federal grant research project. The total project, including equipment, would cost in excess of \$1,350,000. However, it has been found that the federal funds allocated cannot quite cover the total cost and it is therefore proposed that \$84,000 be provided toward the construction and \$81,350 toward the equipment of the project from the General Fund.

Department of Public Health—Continued

We believe that a dangerous precedent would be set by providing state funds toward a project which was undertaken at the request of the federal government and supposedly entirely at its expense. The research involved has nationwide application and therefore should have complete nationwide support. Furthermore, we suggest that the proper place for research of this type is at the University rather than in the Department of Public Health which should be more concerned with the application of research results than with the research itself. The project has not yet been started and we believe that now is the appropriate time to make the decision as to whether the State will contribute its funds toward federal research. *Consequently, we recommend disapproval of this item.*

DEPARTMENT OF THE CALIFORNIA HIGHWAY PATROL

ITEM 319 of the Budget Bill

Budget page 952

FOR MAJOR AND MINOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT, THE CALIFORNIA HIGHWAY PATROL FROM THE MOTOR VEHICLE FUND

RECOMMENDATIONS

Amount budgeted	\$1,193,735
Recommended for approval	237,435
Recommended for special review	956,300

ANALYSIS

a. Land acquisition for office—Mt. Shasta..... \$15,000

The department is presently occupying inadequate quarters and intends to purchase a site in the vicinity of new freeway construction. Funds for an office building and adequate parking will be requested in a subsequent budget. The present lease will be terminated at the next option.

We recommend approval.

b. Land acquisition for office—Carlsbad..... \$15,000

A new site will be purchased for the Carlsbad office in conjunction with acquisition of rights-of-way for a new freeway. The owner of the present leased property has chosen not to extend the lease and the department prefers the opportunity of constructing to meet its needs. Construction funds for the new building are requested in subitem (e).

We recommend approval.

c. Land acquisition for office—Redding..... \$15,000

The leased quarters at Redding are too small and do not provide adequate parking facilities. Purchase of a new site is proposed in conjunction with the Division of Highways acquisition of right-of-way for improvements to US 99. Construction funds for the new office building will be requested in a subsequent budget.

We recommend approval.

d. Construct area office building—Bishop..... \$292,800

Department of the California Highway Patrol—Continued

Funds for site acquisition in Bishop were provided by Item 355a of the 1963 Budget Act. The department has determined that the budget package presented for review will not adequately meet its needs; therefore, a new budget package has been requested. The amount proposed in the budget, however, is based upon the original estimate. The original design provides 6,000 square feet of building area (to accommodate the California Highway Patrol and the Department of Motor Vehicles), a carport and 37 parking spaces. The design of the building indicates type 5 construction with brick exterior walls and concrete block bearing interior walls. The cost at building level is \$27 per square foot which is extremely high. The need for a new budget package and the fact that the estimate reflects a very high unit cost requires that we recommend this project for special review.

e. Construct area office building—Carlsbad----- \$235,700

Funds for the site purchase are requested in subitem b above. The department has also rejected the preliminary budget package submitted for this project. The cost is again very high. The design proposes a type 5 wood frame structure with hollow concrete block exterior walls and the cost at building level is \$23 per square foot.

We recommend that it be given special review.

f. Construct addition to headquarters shop building—
Sacramento----- \$227,800

The department outfits its newly purchased automobiles with the necessary operating gear in this building and renovates gear that has been removed from automobiles that are going out of service. It also stores its own equipment and articles that are picked up along the highway that are of such value that they may be reclaimed. It is acknowledged that the space available for the functions required is not adequate, but a budget package has not been submitted.

We recommend special review.

g. Construct headquarters office building—Sacramento---- \$200,000

A \$1,990,000 appropriation was made by Item 355g of the 1963 Budget Act to construct the required addition to the headquarters building in the parking lot adjacent to the present headquarters. It has been determined that the State's requirement for office space will be sufficient to justify that a full four floors of office space be constructed instead of three as originally proposed. It is recognized, therefore, that additional funds will be required to construct this additional space. The budget package has not been completed and a firm cost estimate is not available.

We recommend special review.

h. Preliminary planning ----- \$15,000

This appropriation will enable the department to prepare budget packages for the 1965-66 Budget. Its purpose is to eliminate budgeting for construction without firm figures as is being done in subitems d, e, f, and g above.

We recommend approval.

Department of the California Highway Patrol—Continued

i. *Minor projects* ----- \$177,435

There are three projects required at the academy that consist primarily of providing new pavement. The first is required to improve the accident investigation training area and will cost \$22,500, the second is required for repairs to the emergency vehicle operations course and will cost \$27,900, and the third is required to provide a parking lot, that will cost \$19,550. The storm drainage system at the academy will be improved as a second increment at \$12,500. Roof repairs are required because of leaks that have developed in the classroom wing at the academy and in the headquarters shop building, at \$27,900 and \$17,300 each, respectively. A final project at the academy is the \$2,000 proposal for construction of a handball court to provide additional activity space for the recruits. An addition to the Los Angeles shop building will cost \$30,000, and is required to increase the space available for the Los Angeles dispatcher and to increase the space required for dismantling automobiles that are being phased out of service. There are a number of small items, each less than \$5,000 and totaling \$11,460 that are required for various improvements throughout the State.

We recommend approval.

DEPARTMENT OF MOTOR VEHICLES

ITEM 320 of the Budget Bill

Budget page 954

FOR MAJOR AND MINOR CONSTRUCTION, IMPROVEMENTS
AND EQUIPMENT, DEPARTMENT OF MOTOR VEHICLES,
FROM THE MOTOR VEHICLE FUND

RECOMMENDATIONS

Amount budgeted -----	\$2,211,850
Recommended for approval -----	1,056,430
Recommended for special review -----	1,155,420

ANALYSIS

a. *Land acquisition—Sacramento* ----- \$350,000

It is necessary, as part of the master plan for the Department of Motor Vehicles-California Highway Patrol complex in Sacramento, to purchase additional land that may be used for new construction as required and for parking facilities for state employees. Although the specific use that will be made of the acquired land has not been explicitly defined, it is considered advantageous to purchase the land as soon as possible in order to get the maximum amount of land required at the most reasonable price possible.

We recommend approval.

b. *Land acquisition for parking—Yuba City* ----- \$12,000

The State has purchased two parcels adjacent to the Yuba City office building. The purchase of a third parcel made possible by the \$12,000 proposed completes the acquisition required to develop adequate parking facilities.

We recommend approval.

Department of Motor Vehicles—Continued

c. Construct office building—Palo Alto..... \$280,000

The Department of Motor Vehicles is occupying leased space in Palo Alto that is definitely substandard. A site has been selected and will be purchased with the \$250,000 made available by Item 356c of the 1963 Budget Act. A budget package has not been submitted to substantiate the request.

We recommend specific review by the Legislature.

d. Construct office building—Montebello..... \$413,700

A \$300,000 appropriation was made in the 1963 Budget Act to purchase a site for the office building and parking facilities in Montebello. The concrete frame building includes 12,232 square feet and is the standard type design provided for the function. The cost at building level is estimated to be \$22.04 per square foot. This estimate will be reduced because of items that have been eliminated by review subsequent to budget preparation. It is therefore anticipated that the cost will be less and *we recommend approval of the project.*

e. Construct office building—Santa Maria..... \$180,500

Funds for the Santa Maria site were provided in the 1963-64 budget in the amount of \$120,000. The building is of type V construction and the proposed face brick walls comprise the dominating architectural feature. The 4,820 square feet of office space costs \$23.73 per square foot at building level. Although this building is relatively small compared to the usual motor vehicle facility, the interior design is very similar to what has come to be accepted as standard. We question the high cost and *recommend special review by the Legislature.*

f. Construct office building—Berkeley..... \$285,000

The 1963-64 Budget provided \$275,000 to purchase a site for the new Department of Motor Vehicles building in Berkeley. The site has not **been selected and a building design has not been completed.** We have no basis on which to judge the adequacy of the \$285,000 proposed.

We recommend special legislative review.

g. Construct office and street improvements—
North Hollywood..... \$409,920

A \$300,000 appropriation was made by item 337c of the 1960 Budget Act and a \$69,000 augmentation was made by item 356g of the 1963 Budget Act to construct the office building in North Hollywood. It has now been determined that increased scope will require additional funds and therefore it is proposed to revert previously authorized funds and to refund the item in this budget. Despite the lengthy history of this project we have not received drawings or estimates that would substantiate the \$409,920 proposed.

We recommend special review by the Legislature.

h. Construct office addition—San Diego..... \$141,000

The office building in San Diego was designed with the expectation that a second floor would be added at a later date when the need for

Department of Motor Vehicles—Continued

additional space developed. The \$141,000 proposed is required to make that addition. The steel frame structure is enclosed with lathe and plaster exterior walls and movable interior partitions are proposed to lend additional flexibility. The budget estimate has not been submitted but review of the plans indicates that the project level cost is \$23.60 per square foot. *This cost is reasonable and we recommend approval.*

i. Preliminary planning----- \$20,000

The preliminary planning appropriation is required to enable the department to prepare budget packages on which to base sound estimates for the 1965-66 Budget. This is to eliminate the budgeting of construction funds without a budget package as is being proposed in subitems c, f, and g above.

We recommend approval.

j. Minor projects----- \$119,730

A major portion of the minor construction funds is required to provide lighting for parking areas, skill test areas, and building exteriors for 42 of the Department of Motor Vehicles offices. One night a week service is offered to those people that cannot arrange to do business with the department within the 8 to 5 normal working day. The cost of this improvement is \$84,000. The second minor capital outlay project is related to subitem b above and involves paving and landscaping the additional parking area required at Yuba City. The remaining minor projects are required for the Los Angeles building. An \$18,000 project will enable the department to update the filing system in that office. Three other small projects less than \$5,000 each and totaling \$10,730 will enable other minor improvements.

We recommend approval.

**Department of Public Works
HIGHWAY SAFETY RESEARCH**

Item 321 of the Budget Bill

Budget page 960

**FOR SUPPORT OF HIGHWAY SAFETY RESEARCH FROM THE
MOTOR VEHICLE TRANSPORTATION TAX FUND**

RECOMMENDATIONS

Amount budgeted ----- \$215,000
Recommended for special review----- 215,000

ANALYSIS

The Budget Act of 1963 provided \$150,000 for the continuation of a long-range highway safety research program which was started by Chapter 2110 of the Statutes of 1961. The budget as presented indicates that for the current fiscal year the only amount expended will be the balance of \$37,222 left over from the first appropriation made in 1961. It also indicates that the \$150,000 appropriation made for the current year will be carried over and expended in the budget year. Consequently, we do not understand how an additional \$215,000 can be added to this and expanded in the budget year.

Highway Safety Research—Continued

The appropriation for the current year was from the State Highway Fund. The one proposed in this item changes it to the Motor Vehicle Transportation Tax Fund. *We would recommend a special legislative review.*

MILITARY DEPARTMENT

ITEM 322 of the Budget Bill

Budget page 1022

FOR MAJOR AND MINOR CONSTRUCTION, EQUIPMENT AND REPAIR, MILITARY DEPARTMENT, FROM THE GENERAL FUND

RECOMMENDATIONS

Amount budgeted	\$376,844
Recommended for approval	326,844

TOTAL RECOMMENDED REDUCTION **\$50,000**

ANALYSIS

This item proposes the construction of one major facility, the preparation of plans for other major facilities and a series of minor projects as follows:

(a) *Preparation of plans for federally financed facilities— \$100,000*

Certain National Guard facilities are constructed wholly at the cost of the federal government with the exception of the cost of the preparation of working drawings and plans. For the last several years the State has provided an average of \$50,000 annually to prepare such plans at state cost. We believe that the present proposal of \$100,000 is unrealistic since it presupposes a somewhat larger volume of federally financed facilities. In view of the repeatedly expressed attitude of the Secretary of Defense that the National Guard should be deemphasized we question whether there can be justification for this amount.

Consequently, we recommend that it be reduced to \$50,000.

(b) *Minor projects* *\$276,844*

This would provide for a long series of roof repairs at various existing armories, paving at various armory locations, a sprinkling system at Gilroy, rehabilitation of the armory in Yuba City, acoustical treatment at various armories, replacement of rain gutters at Fort Funston, and the cost of survey of armory sites and title insurance. We have examined a representative number of these minor projects in detail and we believe that the proposals are justified. *We recommend approval.*

DEPARTMENT OF PROFESSIONAL AND VOCATIONAL STANDARDS

ITEM 323 of the Budget Bill

Budget page 1024

FOR MAJOR AND MINOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT, FROM THE PROFESSIONAL AND VOCATIONAL STANDARDS FUND

RECOMMENDATIONS

Amount budgeted	\$296,750
Recommended for approval	138,950
Recommended for special review	157,800

Department of Professional and Vocational Standards—Continued
ANALYSIS

This item will provide for two major alteration projects and two minor projects as follows:

(a) *Automate three passenger elevators, B and P Building* \$157,800

It is proposed that the present elevators, in the building fronting on N Street in Sacramento, which are now operator controlled, be fully automated so that the operators can be eliminated, thereby, hopefully recouping the cost of automation in about six years through savings in salaries. The elevator structures and hoisting equipment are in excellent condition, the proposal merely involves the installation of fully automatic controlling devices and the addition of certain car safety devices in two of the elevators which do not now have them.

We believe serious consideration should be given to the elimination of jobs requiring little or no skill in the face of a growing unemployment problem involving people forced into this status and perhaps **otherwise not employable** or retrainable. While the State would unquestionably save money by the elimination of these salaries, it would on the other hand, in many instances, find itself providing relief and other kinds of payments for the people so displaced.

It is probably true that elevators operating under the control of the most modern automatic devices actually provide somewhat better service insofar as car scheduling and response are concerned than can be provided by human operators. However, this difference may not be of significant value. On the other hand, in buildings having large public attendance and use, the operators may serve a real function in providing directions or other kinds of help to the public. *We recommend special review by the Legislature.*

(b) *Expand cafeteria, B and P Building*----- \$120,150

The Business and Professions Building, which is in fact two buildings connected together, houses about 1,200 state employees and its present cafeteria is operated by an employee association. It is proposed that the facility be altered and expanded to make possible its operation by a blind person which will improve the service to the employees in the building and will probably help carry the load of some of the surrounding buildings which may not have cafeterias. *We recommend approval.*

(c) *Minor projects*----- \$18,800

This item would provide for two minor projects both aimed at making the basement area more satisfactory for Civil Defense and shelter use. There is the construction of a stairway to the basement at \$10,000 and the enclosure of the basement windows at \$8,800. *We recommend approval.*

Department of Conservation
DIVISION OF FORESTRY

ITEM 324 of the Budget Bill

Budget page 1027

FOR SITE ACQUISITION, ENGINEERING SERVICES, MINOR
CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT
DEPARTMENT OF CONSERVATION
FROM THE GENERAL FUND

RECOMMENDATIONS

Amount budgeted -----	\$1,129,757
Recommended for approval -----	974,807

TOTAL RECOMMENDED REDUCTION ----- \$154,950

ANALYSIS

This item will provide for a series of acquisition projects, engineering planning and inspection services and minor construction and equipment projects as follows:

(a) *Land acquisition for Northern California
Training Center* ----- \$20,000

It is proposed to buy or transfer about 38 acres which is part of the land holdings of the Preston School of Industry in the Youth Authority, near Ione, to be used for the establishment of a permanent training center for Northern California. This center will train, principally, foreman, truck drivers, heavy equipment operators, etc., in order to acquaint them with the latest methods of forest wild-fire fighting. The amount proposed is not for the purchase of the land, since this will actually be a simple transfer of title from one state agency to another, but it is to provide for the costs incident to the transfer such as boundary surveys, suitability studies, etc. Ultimately the installation of the buildings and other facilities that will be required will probably exceed \$750,000. *We recommend approval.*

(b) *Land acquisition for lookouts and forest fire stations* -- \$80,000

This proposal involves the purchase of eight specific sites for existing fire stations which are either on leased or permitted land. In some cases the purchase involves the land actually under lease, because present owners desire to liquidate. In other cases it involves the purchase of new sites with an ultimate total replacement of the station facilities. The eight stations account for \$70,000 of the total. An amount of \$10,000 is allocated for opportunity purchases of lookout sites, repeater sites and fire station sites. *We recommend approval.*

(c) *Engineering, planning and inspection services* ----- \$124,807

The Division of Forestry handles a great deal of its own construction work, particularly on minor projects but also in connection with some major projects. It carries out a considerable amount of engineering work in connection with inmate work projects and it carries out the inspection of its own construction in order to insure conformity with plans and specifications. It has been a long established policy to charge the cost of these services to capital outlay as being basically

Division of Forestry—Continued

part of the cost of the structures being built or the developments being accomplished.

The service involves eight technical positions, one clerical position and a surveying team of four positions. *We recommend approval.*

(d) *Minor projects* ----- \$904,950

The Division of Forestry has literally hundreds of fire stations, look-outs, county and district headquarters stations, conservation camps, conservation centers, and state forests which makes it impossible to individually review the minor construction projects proposed in this far-flung establishment. We have attempted to make spot checks of individual projects in relation to our general familiarity with the division's installations and we believe that our most practical approach is on an empirical basis taking into consideration the size of total establishment and the age and types of facilities involved.

The total proposal includes about \$160,000 for inmate labor projects. This is to cover costs of materials and equipment and some services in connection with the various types of road, bridge, sewer, water, telephone line and other kinds of work performed by inmate crews.

About \$485,000 is to cover the general small construction projects, remodeling and modernization projects and site developments in the six districts of the division.

About \$259,000 is included for radio system expansion and modernization or improvement with \$195,000 of this amount being allocated for expansion of the microwave system particularly in the northern part of the State in Districts 1 and 2.

We would like to point out that for the last five years the average amount that has been provided for minor projects including all of the types mentioned above, has been about \$585,000. The proposal to increase this, in one jump, by over 50 percent is not justifiable. It should be pointed out that the general plant of the division has been steadily improving by replacement of older temporary facilities with new facilities and the total increase in the size of the plant has not been on the order of 50 percent within the last few years. *Consequently, we recommend that the total for minor projects be reduced to \$750,000, a reduction of \$154,950.* The division can then make the necessary adjustments to fit this amount. Particularly we would point out that it is most unlikely that they will be able to install all of the proposed microwave equipment within the single budget year.

DEPARTMENT OF FISH AND GAME

ITEM 325 of the Budget Bill

Budget page 1033

FOR MAJOR AND MINOR CAPITAL OUTLAY, IMPROVEMENTS AND EQUIPMENT, FOR THE DEPARTMENT OF FISH AND GAME, FROM THE FISH AND GAME PRESERVATION FUND

RECOMMENDATIONS

Amount budgeted -----	\$273,860
Recommended for approval -----	273,860

Department of Fish and Game—Continued

ANALYSIS

- a. Construct bioassay laboratory ----- \$157,000
 b. Equip bioassay laboratory ----- 12,060

Construction of the proposed bioassay laboratory was proposed in the 1962-63 Budget and rejected until it could be determined if such construction would create the possibility that water pollution studies of the Department of Fish and Game would overlap with similar studies by other state agencies. A report entitled "An Interagency System for Water Quality Management," prepared by the "Water Resources Engineers Inc." and released November 30, 1962, to conform with the requirements of item 269 of the 1962-63 Budget Act, recommends that the proposed bioassay laboratory would be properly managed by the Department of Fish and Game and that it is an essential adjunct to that operation. It was questioned during the 1962-63 hearings that the activities of this laboratory may be outside the bounds of those that should be supported by the Fish and Game Preservation Fund. The report states that this is not the case but that a portion of the utilization of the laboratory could be for purposes other than those directly related to matters supported by the Fish and Game Preservation Fund. Should it be necessary to use the laboratory to investigate other areas (and such use should be encouraged), it is possible for the Department of Fish and Game to be reimbursed by other agencies requiring such service.

The 4,400-square-foot wood frame structure contains a constant temperature room, laboratories and offices, and fish tanks and a water storage tank are to be constructed adjacent to the building. The design is functional but not elaborate and the \$19.60 per square foot basic building cost is not excessive.

We recommend approval.

- c. Minor projects ----- \$104,800

There are three projects proposed to be financed by the minor construction budget. The first involves replacing 1,300 feet of 24-inch steel pipe that is leaking and cannot be repaired at the Crystal Lake Hatchery in Shasta County. The Hay Press Creek fish planting base that services the Counties of Sierra and Yuba experienced damages to the holding tanks in the 1962-63 winter flood. Replacement of the damaged facilities is estimated to cost \$20,000 and will provide for new tanks, pipeline, and a diversion dam. The brood stock facilities of the Hot Creek Hatchery in Mono County require improvement to the cross dam structures because the rough surface injures the fish, and the spawning house must be remodeled to eliminate undue handling of the brood stock which increases the mortality rate. The estimated cost of this third phase of remodeling these facilities is \$50,000.

We recommend approval of the three minor construction projects.

**Department of Parks and Recreation
DIVISION OF BEACHES AND PARKS**

ITEM 326 of the Budget Bill

Budget page 1037

**FOR REAL PROPERTY ACQUISITION, AND MAJOR AND
MINOR CONSTRUCTION, IMPROVEMENTS, REPAIRS
AND EQUIPMENT, FROM THE GENERAL FUND**

RECOMMENDATIONS

Amount budgeted	\$4,349,945
Recommended for approval	4,030,645

TOTAL RECOMMENDED REDUCTION..... \$319,300

ANALYSIS

(a) *For real property acquisition*..... \$500,000

The amount of \$500,000 is proposed to be used by the Division of Beaches and Parks for acquisition of real property as favorable opportunities occur from estate settlements or availability of lands as a result of highway developments.

These expenditures are subject to review by the State Public Works Board.

We recommend approval.

(b) *Major construction, improvements and equipment*... \$2,805,765

This item provides for initial development at 2 sites and continuing development or major repairs at 11 other sites in the state system of beaches and parks. The following projects are included:

Angel Island State Park, continuing developing	\$253,350
Big Basin Redwoods State Park, continuing development.....	437,950
Del Norte Coast Redwood State Park, initial development.....	453,800
Doheny State Beach, beach erosion control	249,795
Grover Hot Springs State Park, repair pool and construct sanitary facilities	59,700
Humboldt Redwoods State Park, continuing development and erosion control	165,000
Mitchell Caverns State Reserve, water system development.....	78,750
Salton Sea State Recreation Area, continuing development	180,180
San Buenaventura State Beach, beach erosion control	68,475
San Clemente State Beach, sidewalk	4,725
San Francisco Maritime State Historic Park, continuing restoration of historic ships	66,140
Squaw Valley State Recreation Area, mechanical repairs and improvements to Blythe Arena	419,300
Torrey Pines State Reserve, initial beach area development.....	368,600

The major project for the Division of Beaches and Parks during next fiscal year is for the construction of recreation facilities at Del Valle Reservoir. A total of \$1,415,600 is being appropriated from the General Fund to the Department of Water Resources for transfer to the Division of Beaches and Parks for expenditure in providing the facilities at Del Valle and elsewhere. This is in accordance with the provisions of the Davis-Dolwig Act. It may be noted that this procedure will be turning over the expenditure of a major portion of the State's capital outlay program on beaches and parks to the Department of Water Resources. As the construction of the State Water Facilities continues in

Division of Beaches and Parks—Continued

future years, indications are that an even larger portion of the beaches and parks capital outlay program will be required for onshore recreation facilities at the State Water Facilities.

The current year budget of the Division of Beaches and Parks contains an expenditure of \$10,000 for general development planning at Squaw Valley State Recreation Area. This money is presumably to develop a plan for the betterment of the physical facilities at the site and should include some consideration of the long-range development of the site. Last year the speed skating rink outside of Blythe Arena was dismantled because its repair was considered to be too costly. This rink was operated from the same compressor that is being proposed for replacement in next year's budget. There is no indication that any of these changes have been considered in their total effect on the facilities nor that they are integrated into any long-range plan for the area. We therefore, have found that the proposed expenditure of \$419,300 for repairs to Blythe Arena introduces a number of problems.

The structural design of the roof of Blythe Arena is such that when snow loads exceed a certain calculated limitation, the loads or at least the excess should be removed in some manner or the roof might be seriously damaged or collapse. The removal technique designed into the structure involved a hollow roof construction into which was pumped warm air, intended to melt the snow, or sufficiently so, to cause it to slide down the slope. In the original design the warm air was to be provided from the large heat output generated by the operation of the 1,000-ton refrigeration compressor which was used to freeze the large indoor rink and the two smaller outdoor speed rinks. It is fairly obvious that the sort of weather conditions that would lead to heavy snow storms and large accumulations of snow on the roof were the same ones which often led to power interruptions and hence the failure of the compressor to develop heat for the roof could very well have caused its destruction.

The operation of the compressor has been very costly particularly from the standpoint of demand and energy charges which we understand have been running as high as \$7,000 per month, chargeable to the state park and not to the concessionaire.

It is now proposed to replace the large compressor with three smaller ones, each with a capacity of 125 tons, whose waste heat would also be used for the roof, but since the smaller tonnage would produce less heat it was also proposed to provide a boiler or some other type of heating system which could augment the heat from the compressors sufficiently to take care of peak situations. In addition it is proposed to provide a standby emergency electric generator which presumably would have sufficient capacity to power the three compressors as well as the blower and burner equipment on the boiler.

We believe this proposal is uneconomical and unjustified.

We would point out that the use of the skating rinks is quite minimal and results in relatively little revenue either for the concessionaire or for the State. We recognize that the State's primary responsibility to

Division of Beaches and Parks—Continued

the federal government, which in effect owns the building, is to maintain the building's integrity. To this end we recommend that the skating feature be eliminated and that the 1,000-ton compressor be disconnected so that the demand charges for it can be eliminated as well as the elimination of the high energy charges, and that an adequately sized boiler or other heating device be provided which can both heat the building and the roof to effect snow removal. This can be done for not more than one-fourth the amount proposed.

In effect our recommendation is that this project be reduced to \$100,000. In other regards the item is recommended for approval.

(c) *Minor construction, improvements, repairs and equipment ----- \$1,044,180*

This item provides for the customary expenditures of small sums at a large number of facilities operated by the Division of Beaches and Parks. Work included varies from resurfacing the roads to the reconstruction of water systems and replacement of residences.

Approval of the request is recommended.

DEPARTMENT OF WATER RESOURCES

ITEM 327 of the Budget Bill

Budget page 1060

**FOR CAPITAL OUTLAY, DEPARTMENT OF WATER RESOURCES,
FOR TRANSFER TO THE DEPARTMENT OF PARKS AND
RECREATION, FROM THE GENERAL FUND**

RECOMMENDATIONS

Amount budgeted ----- \$1,415,600
Recommended for approval ----- No change

ANALYSIS

This item provides funds to implement the provisions of the Davis-Dolwig Act which authorized appropriation of General Fund money to construct recreation and fish and wildlife facilities at state-constructed water projects. For two years this analysis has questioned the form of the Budget Bill in which money for this purpose is taken from the General Fund while simultaneously California Water Fund money is appropriated by the continuing appropriation provisions of the Burns-Porter Act for the same purposes, but is not included in the Budget Bill. This practice has the effect of permitting the Department of Water Resources to construct dams and reservoirs for recreation purposes without legislative review by using California Water Fund money, and then subsequently asking the Legislature to use General Fund money to complete the undertaking. The problem still exists as a result of the presence of this item in the Budget Bill. It is partly resolved as a result of the decision made in preparing last year's budget, which is continued in this year's budget, that the funds appropriated for the Davis-Dolwig Act are to be included in the funds allocated to beaches and parks capital outlay for the fiscal year involved.

Water Resources

Items 328-329

Department of Water Resources—Continued

The money in this item is to be transferred to the Department of Parks and Recreation for expenditure. The work is as follows:

Grizzly Valley Reservoir, recreation facilities, onshore development -----	\$168,500
Del Valle Reservoir, recreation facilities, onshore development	1,166,100
San Luis Reservoir, recreation facilities, tree planting-----	45,000
Castaic Reservoir, recreation facilities, tree planting-----	36,000
 Total -----	 \$1,415,600

Approval is recommended.

DEPARTMENT OF WATER RESOURCES

ITEM 328 of the Budget Bill

Budget page 1055

**FOR CAPITAL OUTLAY, DEPARTMENT OF WATER RESOURCES,
FOR TRANSFER TO THE DEPARTMENT OF PARKS AND
RECREATION, PAYABLE FROM THE SMALL CRAFT
HARBOR REVOLVING FUND**

RECOMMENDATIONS

Amount budgeted -----	\$235,400
Recommended for approval-----	No change

ANALYSIS

This item provides for an appropriation of \$235,400 from the Small Craft Harbor Revolving Fund to the Department of Water Resources for contract by that department with the Department of Parks and Recreation. The Division of Small Craft Harbors is to use the money to construct boating facilities at Grizzly Valley and Del Valle Reservoirs, which are features of the State Water Facilities.

The presence of this item in the budget represents a new policy in funding which is based on the premise that boating facilities at state water projects should be funded from the money provided for such a purpose rather than using water project construction money or General Fund money under the Davis-Dolwig Act. The money is to be spent as follows:

Grizzly Valley Reservoir, boating facilities development -----	\$51,500
Del Valle Reservoir, boating facilities development -----	183,900

Approval is recommended.

DEPARTMENT OF WATER RESOURCES

ITEM 329 of the Budget Bill

Budget page 1059

**FOR CAPITAL OUTLAY, DEPARTMENT OF WATER
RESOURCES, FOR MINOR PROJECTS
FROM THE GENERAL FUND**

RECOMMENDATIONS

Amount budgeted -----	\$44,000
Recommended for approval -----	No change

Department of Water Resources—Continued

ANALYSIS

This item provides for three major capital outlay expenditures by the Department of Water Resources, as follows:

Construct Office Building, Sutter Maintenance Yard.....	\$19,000
Property Acquisition, Sutter Maintenance Yard.....	15,000
Paving and Fencing, Sutter Maintenance Yard.....	10,000

Approval is recommended.

**Department of Veterans Affairs
VETERANS' HOME OF CALIFORNIA**

ITEM 330 of the Budget Bill

Budget page 1063

**FOR MINOR CONSTRUCTION, IMPROVEMENTS AND
EQUIPMENT, VETERANS' HOME OF CALIFORNIA
FROM THE GENERAL FUND**

RECOMMENDATIONS

Amount budgeted	\$230,850
Recommended for approval	210,850

TOTAL RECOMMENDED REDUCTION..... \$20,000

ANALYSIS

We recommend approval of the following projects:

The front hospital elevator must be remodeled to insure prompt service to the proper level in case of emergency at a cost of \$30,000; the telephone office will be relocated from a basement area that floods, to a vacated area in the old clinic building; the fire alarm system will be completed for \$20,000; an oxygen distribution system will be installed for \$40,000 and will provide oxygen outlets at bedside; plastic wainscoat wall covering will be installed in hospital wards and corridors to reduce the maintenance required; a \$38,925 addition to the central warehouse will provide cool storage for such items as flour, beans, etc., and enable purchase of sufficient quantities for cost savings; security screens will be installed in the closed wards to prevent patients from inflicting damage upon themselves, and seven other projects that cost a total of \$10,175 are proposed to reduce maintenance and to improve patient services.

We recommend disapproval of the \$20,000 proposal to landscape the area adjacent to the Lincoln barracks. Although this area is not formally landscaped now, it has a very attractive lawn, trees, and an old narrow roadway that serves as a sidewalk. We do not believe that such a marginal project can be justified.

UNALLOCATED

ITEM 331 of the Budget Bill

Budget page 1065

FOR PROJECT PLANNING TO BE ALLOCATED BY THE DIRECTOR OF FINANCE FROM THE GENERAL FUND

RECOMMENDATIONS

Amount budgeted -----	\$300,000
Recommended for approval -----	200,000

TOTAL RECOMMENDED REDUCTION -----	\$100,000
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ANALYSIS

In continuance of the well-established policy of the Legislature that adequate preliminary plans and specifications be provided to back up requested appropriations for working drawings and construction, this item would cover those agencies whose construction programs are normally funded from the General Fund, such as the Division of Beaches and Parks, in part, the Division of Forestry, minor construction in agencies such as Corrections, Mental Hygiene, Youth Authority, etc. The Budget Act of 1963 provided \$125,000 for this purpose, and it was augmented from the Emergency Fund by \$50,000 in the course of the year.

We can see no justification for increasing this allocation beyond about \$200,000 since the volume of work for the agencies mentioned is inadequate to justify more than that amount. Consequently, *we recommend that this item be reduced to \$200,000.*

UNALLOCATED

ITEM 332 of the Budget Bill

Budget page 1065

FOR MISCELLANEOUS REPAIRS, IMPROVEMENT AND EQUIPMENT TO BE ALLOCATED BY THE DIRECTOR OF FINANCE FROM THE GENERAL FUND

RECOMMENDATIONS

Amount budgeted -----	\$100,000
Recommended for approval -----	No change

ANALYSIS

This item is basically an emergency construction fund to take care of unforeseen and unplanned for situations which might arise in the course of the budget year such as steam boiler failure, electrical feeder line failures, water line failures, etc. The Legislature has provided the sum of \$100,000 annually for this purpose for some years. In most years the largest part of the total has gone unused and reverted at the end of the fiscal year. For example, in the actual 1962-63 fiscal year \$45,550 was used and the balance returned. In the current fiscal year thus far, \$48,200 has been expended, and unless emergencies occur between this writing and the end of the fiscal year, the balance will be reverted. *We recommend approval.*

DEPARTMENT OF GENERAL SERVICES

Item 333 of the Budget Bill

Budget page 801

FOR LAND ACQUISITION, DEPARTMENT OF GENERAL SERVICES, FROM THE STATE CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted ----- \$437,500
 Recommended for approval ----- No change

ANALYSIS

The long-range master plan for the State's facilities in the vicinity of the Civic Center in San Francisco calls for the acquisition of the block immediately north of the existing state building. Part of this block is already owned by the State, a relatively small portion. This proposal would make it possible to buy all of the remaining block with the exception of the city's steam electric generating plant, which will ultimately be moved but has not been scheduled. Ultimately the land will be used for building construction but in the interim it will be developed into surface parking. *We recommend approval.*

**Department of Corrections
 SIERRA CONSERVATION CENTER**

ITEM 334 of the Budget Bill

Budget page 821

FOR MAJOR CONSTRUCTION, IMPROVEMENT AND EQUIPMENT, SIERRA CONSERVATION CENTER, FROM THE STATE CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted ----- \$1,800,000
 Recommended for approval ----- No change

ANALYSIS

We have not received a detailed list of the equipment that will require the proposed appropriation. The total amount requested is comparable to that required for similar installations in the past. *We recommend approval of the proposal subject to detailed review of the equipment list when it is available.*

**Department of Corrections
 CORRECTIONAL INSTITUTION AT TEHACHAPI**

ITEM 335 of the Budget Bill

Budget page 822

FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT, CORRECTIONAL INSTITUTION AT TEHACHAPI, FROM THE STATE CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted ----- \$9,000,000
 Recommended for approval ----- None
 Recommended for special review ----- \$9,000,000

Correctional Institution at Tehachapi—Continued
ANALYSIS

The 1961 Budget Act provided \$500,000 for working drawings for a new 1,200-man institution at Tehachapi and the 1963 Budget Act provided \$98,800 for water development and/or exploration. Although two design concepts have been explored, it is apparent that the cost of building a 1,200-man institution at Tehachapi is high. The office of Architecture and Construction prepared a study and report that compared the cost of locating an institution at Tehachapi vs. Chino and concluded that there would be a premium of approximately \$1 million if the Tehachapi site were chosen. The existing 600-man institution at Tehachapi is substandard in terms of utility services and a part of this \$1 million premium would have been required to correct these substandard conditions.

The budget now proposes construction of a 640-man institution and construction of an additional 160 beds in the existing facility. This is a new proposal and we have not received any new program information or preliminary plans on which to make an evaluation.

We recommend special review by the Legislature.

Department of Corrections
CORRECTIONAL TRAINING FACILITY

ITEM 336 of the Budget Bill

Budget page 823

FOR MAJOR CONSTRUCTION, IMPROVEMENTS, AND
EQUIPMENT, CORRECTIONAL TRAINING FACILITY,
FROM THE STATE CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted ----- \$80,000
Recommended for approval ----- No change

ANALYSIS

This \$80,000 proposal is to construct an addition to the dairy which is related to the Atascadero State Hospital plan to eliminate its dairy operation. This construction would enable the Correctional Training Facility to take over the Atascadero herd and assume the responsibility of supplying milk to that institution. *It will also be necessary to supply milk to the California Men's Colony at Los Padres to make delivery of milk to Atascadero economically feasible.* It is estimated that the increased revenue to Correctional Industries made possible by this expansion will return the investment in two years. An additional benefit is derived from the fact that the expansion will provide for the productive employment of 30 additional inmates and thus alleviate the need to occupy them elsewhere.

We recommend approval, subject to assurances that an economical operation will result.

Department of Corrections
INSTITUTION FOR MEN

ITEM 337 of the Budget Bill

Budget page 827

FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT,
INSTITUTION FOR MEN, FROM THE STATE
CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted	\$25,000
Recommended for approval	No change

ANALYSIS

This proposal will provide \$25,000 to purchase the equipment necessary to activate the new inmate activity building at this facility. We have not received the detailed equipment list but the total cost is reasonable, and *we recommend approval.*

Department of Corrections
MEDICAL CORRECTIONAL INSTITUTION

ITEM 338 of the Budget Bill

Budget page 828

FOR SITE ACQUISITION, MAJOR CONSTRUCTION
IMPROVEMENTS AND EQUIPMENT, MEDICAL
CORRECTIONAL INSTITUTION, FROM THE
STATE CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted	\$300,000
Recommended for approval	None
Recommended for special review	300,000

ANALYSIS

The budget indicates that the funds requested are required to provide for site purchase, development and project planning for the first 1,200-man capacity unit to be constructed on a site that is eventually to house 3,600 men. We have not received material of any kind to indicate the manner in which this amount of money was derived, and we have no basis for an evaluation. *We recommend special review by the Legislature.*

Department of Corrections
MEDICAL FACILITY

ITEM 339 of the Budget Bill

Budget page 829

FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT,
MEDICAL FACILITY, FROM THE STATE
CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted	\$686,730
Recommended for approval	186,730
Recommended for special review	500,000

ANALYSIS

a. Project planning, including working drawings for special security facility	\$500,000
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Medical Facility—Continued

A program has not been submitted for this facility and therefore it is not possible to make any judgment regarding the scope or cost. It is hoped that such information can be developed in time to make a recommendation at the budget hearings. *We recommend special review by the Legislature.*

b. *Equip psychiatric treatment unit*..... \$80,730

The psychiatric treatment unit is under construction and the equipment proposal is reasonable for this type facility. We have not reviewed the detailed equipment list but *recommend approval subject to this review when the list is available.*

c. *Construct irrigation water supply line*..... \$106,000

The State entered into an agreement with the Solano County Flood Control and Water Conservation District to purchase a specified amount of water that the district will deliver from the Monticello Dam. The water will be used initially to irrigate the excess land that is leased out for farming purposes and it is anticipated that the increased lease price that may be generated will amortize the cost of the investment for the supply line in approximately 12 years. This pay back consideration, however, is secondary to the fact that the State was required to enter into such an agreement in order to insure a water supply for the special security facility proposed in subitem (a) above.

We recommend approval.

Department of Corrections
STATE PRISON AT SAN QUENTIN

ITEM 340 of the Budget Bill

Budget page 832

FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT,
STATE PRISON AT SAN QUENTIN, FROM THE STATE
CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted \$844,300
Recommended for approval No change

ANALYSIS

a. *Replace boilers* \$241,000

Two 39-year-old boilers have reached the stage that they must be replaced and the installation of a single 35,000-pound-per-hour steam capacity boiler is required. The cost appears reasonable for the purpose. *We recommend approval.*

b. *Construct inmate activity building*..... \$603,300

Construction of the inmate activity building represents one step of many required to replace substandard buildings at this institution. The proposed new building is an austere structure with concrete floor and concrete tilt-up walls that will provide a basketball court, handball court, boxing rings, and wrestling and tumbling areas. It will have a gross area of more than 29,000 square feet which is estimated to cost

State Prison at San Quentin—Continued

\$15.03 per gross square foot for the basic building and \$20.75 at total project level including all fees. The need is justified and the cost is reasonable. *We recommend approval.*

**Department of Corrections
CALIFORNIA INSTITUTION FOR WOMEN**

ITEM 341 of the Budget Bill

Budget page 834

**FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT,
CALIFORNIA INSTITUTION FOR WOMEN, FROM THE
STATE CONSTRUCTION PROGRAM FUND**

RECOMMENDATIONS

Amount budgeted	\$569,530
Recommended for approval	No change

ANALYSIS

- a. Construct dining rooms..... \$359,530
- b. Equip kitchens and dining rooms..... 210,000

The 1963-64 Budget Act provided funds to construct a central kitchen to replace the individual kitchens in the wards at this institution. It has been determined that construction of dining rooms adjacent to the kitchens is necessary to insure the most efficient food service program available. We have received the budget package and while there are still some questions that are unresolved, they are minor in nature and *we can recommend approval.*

The equipment list has not been prepared, but the amount is reasonable for this type of facility. *We recommend approval.*

**Department of the Youth Authority
FRICOT RANCH SCHOOL FOR BOYS**

ITEM 342 of the Budget Bill

Budget page 841

**FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT,
FRICOT RANCH SCHOOL FOR BOYS, FROM THE STATE
CONSTRUCTION PROGRAM FUND**

RECOMMENDATIONS

Amount budgeted	\$107,700
Recommended for approval	No change

ANALYSIS

This project includes construction of a 140,000-gallon concrete storage tank and approximately 6,000 feet of 10-gauge welded steel pipe which will replace an existing open ditch and flume. This construction will enable the school to have a one-day water reserve supply immediately available and will reduce the possibility of the domestic water becoming contaminated.

We recommend approval.

**Department of the Youth Authority
FRED C. NELLES SCHOOL FOR BOYS**

ITEM 343 of the Budget Bill

Budget page 843

**FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT,
FRED C. NELLES SCHOOL FOR BOYS, FROM THE STATE
CONSTRUCTION PROGRAM FUND**

RECOMMENDATIONS

Amount budgeted ----- \$338,440
Recommended for approval ----- No change

ANALYSIS

a. *Equip two living units* ----- \$26,100

This request is required to provide equipment for two 50-boy living units budgeted in the 1963-64 year. The amount is equal to that provided in the past and is reasonable. *We recommend approval.*

b. *Construct living unit* ----- \$312,340

The construction of living unit number 10 completes the living unit replacement building program for this institution. The plan is identical to the plans approved for construction in the last budget session. *We recommend approval.*

**Department of the Youth Authority
NORTHERN CALIFORNIA YOUTH CENTER**

ITEM 344 of the Budget Bill

Budget page 845

**FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT,
NORTHERN CALIFORNIA YOUTH CENTER,
FROM THE STATE CONSTRUCTION PROGRAM FUND**

RECOMMENDATIONS

Amount budgeted ----- \$14,557,645
Recommended for approval ----- 1,047,860
Recommended for special review ----- 13,509,785

ANALYSIS

a. *Equip institution No. 1 and central services* ----- \$997,860

Construction funds were appropriated in the 1962-63 and 1963-64 Budget Acts for the first 400-ward institution and for the central service facilities. The equipment proposal is estimated on the basis of equipment needs on similar projects in the past. A detailed list has not been prepared, but the amount proposed is reasonable and a thorough review will be made when the list is available.

We recommend approval subject to that review.

b. *Construct administration building* ----- \$542,200

The original design of the central service facilities contemplated combining the administration building and hospital in the first phase, but population requirements have forced development at a more rapid pace than anticipated and it is necessary to construct separate administration and hospital buildings in the initial phase. This project has been thoroughly reviewed and the scope is agreed to. A new estimate,

Northern California Youth Center—Continued

however, has not been completed since agreement. *We can recommend the project but we cannot recommend a price until a new estimate is made.*

c. Construct institution No. 2----- \$6,342,300

Item 373c of the 1963-64 Budget Act appropriated \$500,000 for working drawings for this second 400-ward unit. The basic concept of Institution No. 1 was extended to the design of this institution but the orientation of the structures on the site has been changed and numerous other changes have been made to reflect provision for special needs of the different age group and to reflect additional thought that has developed in the past year. There are many items that are unresolved, some of which were raised in the discussions held prior to the 1963-64 budget submittal. It is hoped that these questions can be resolved prior to budget hearings. *We recommend special review by the Legislature.*

d. Construct institution No. 3----- \$6,250,285

This third unit is designed to house older boys that are capable of performing limited work assignments similar to that carried on in the forestry camp program. Schematic drawings and estimates have been prepared but a thorough review has not yet been possible. *We recommend special review by the Legislature.*

e. Working drawings for laundry plant----- \$50,000

The laundry and dry cleaning facilities were not included in the original concept of facilities required in the central core because the alternative of having the laundry service performed by the Youth Authority institution at Preston or the Department of Corrections institution at Tracy was considered. It has been determined that the best method of performing the required laundry and dry cleaning service will be achieved with the plant in the Northern California Youth Center complex. The schematic plan and estimate that have been presented are not sufficient to make an unqualified recommendation for construction. Consequently, *we recommend special review by the Legislature.*

f. Working drawings—girls' reception center and
training school----- \$375,000

The school and adjacent reception center are proposed for girls at the Northern California Youth Center to accommodate girls from the Northern California area in the same fashion as Southern California girls are accommodated in the Ventura School for Girls. This project involves funding working drawings so that planning may progress in the expectation that construction funds will be requested in the 1965-66 budget. We have received schematic drawings, specifications and an estimate but there are certain policy questions that are unresolved. *We recommend special review by the Legislature.*

**Department of the Youth Authority
PASO ROBLES SCHOOL FOR BOYS**

ITEM 345 of the Budget Bill

Budget page 846

**FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT,
PASO ROBLES SCHOOL FOR BOYS, FROM
THE STATE CONSTRUCTION PROGRAM FUND**

RECOMMENDATIONS

Amount budgeted -----	\$64,100
Recommended for approval -----	No change

ANALYSIS

It is proposed that lighting be provided for the athletic field in order to extend the time for participation in physical activity. Similar facilities are available at other comparable Youth Authority institutions.

We recommend approval.

**Department of the Youth Authority
SOUTHERN CALIFORNIA YOUTH CENTER**

ITEM 346 of the Budget Bill

Budget page 848

**FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT,
SOUTHERN CALIFORNIA YOUTH CENTER, FROM THE
STATE CONSTRUCTION PROGRAM FUND**

RECOMMENDATIONS

Amount budgeted -----	\$300,000
Recommended for special review by the Legislature -----	300,000

ANALYSIS

The purpose of the proposed appropriation is to initiate design of a multiunit institution similar to the one that has been initiated and will soon be under construction in Stockton. The Southern California Youth Center will be located adjacent to the Youth Training School near Ontario and will share some of the central service facilities with the school. The population of the Youth Training School is 1,200. It is anticipated that proposed construction will provide an additional capacity for 3,600 so that the total capacity of this complex will be 4,800, as is planned for the Northern California Youth Center.

Schematic drawings and estimates have been prepared for the required central administrative service complex and for the initial 400-boy unit. The cost of the central service facilities is estimated to be over \$10 million and the cost of the initial 400-boy unit will exceed \$6 million.

The proposed \$300,000 represents less than 2 percent of the total estimated construction cost. The total requirement of working drawing funds for a project of this magnitude would normally require approximately 5 percent of the total construction cost and it is apparent that the funds requested will not be sufficient if approved.

This item should be deleted in its entirety, or sufficient funds should be budgeted for full working drawings. There are numerous questions that are unresolved, and working drawing funds should not be ap-

Southern California Youth Center—Continued

proved until they are resolved. *We recommend special review by the Legislature.*

Department of the Youth Authority
VENTURA SCHOOL FOR GIRLS

ITEM 347 of the Budget Bill

Budget page 850

FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT,
VENTURA SCHOOL FOR GIRLS, FROM THE
STATE CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted	\$1,563,475
Recommended for approval	None
Recommended for special review	1,563,475

ANALYSIS

a. *Construct 100-bed reception center*..... \$1,400,450

Construction of a reception center at the Ventura School for Girls grounds is proposed for two principal reasons. The Department of the Youth Authority contends that program effectiveness can be improved if the training school and reception center are physically accessible to each other. It is felt that this will enable professional personnel that diagnose the causes of delinquency in a given individual to follow the individual's progress and thus measure its significance. It is also felt that this accessibility will reduce to a certain extent the strain that the ward undergoes because of constant changes in environment. The second purpose to be fulfilled by this construction is the consequent additional space that will be made available in the Southern California Reception Center for boys. Transfers of the girls from the Southern California Reception Center alleviates the necessity to construct additional capacity at the reception center.

Schematic drawings and a preliminary estimate have been completed and are being reviewed. There are numerous items that are subject to question. It is hoped that sufficient detail can be developed in time for legislative review. *We recommend special review by the Legislature.*

b. *Construct two home economics classrooms*..... \$147,800

c. *Equip two home economics classrooms*..... 15,225

The capacity of the Ventura School for Girls in terms of living unit space and related facilities such as classrooms has been constructed on an incremental basis as required. The required budget package for this project has been submitted and reviewed but there are certain elements that are subject to questions which have not yet been resolved. Consequently *we recommend special review by the Legislature.*

UNIVERSITY OF CALIFORNIA

ITEM 348 of the Budget Bill

Budget page 857

FOR MAJOR ACQUISITION CONSTRUCTION IMPROVEMENTS, AND EQUIPMENT, UNIVERSITY OF CALIFORNIA, FROM THE STATE CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted -----	\$60,143,300
Recommended for approval -----	36,333,900
Recommended for special review -----	23,809,400

ANALYSIS

This item proposes an extensive program on nine major campuses including three new ones, and two field stations, comprising three land acquisition projects, 29 equipment projects for previously funded construction, 39 major construction projects, many of which were previously funded for working drawings, 13 working drawings projects for future construction and two planning and programing projects as follows:

(a) *Preliminary plans and programing* ----- \$929,000

This project which is actually allocated among the various campuses, on the basis of scheduled need, represents a continuation of long established policy of providing funds for the preparation of preliminary plans which will be used as a basis for presentation to the Legislature, at its 1965 session, of proposals either for working drawings alone or working drawings and construction. This makes possible reasonably accurate and clearly delineated projects for which the Legislature could rightfully expect that the scope and estimated cost will not vary significantly thereafter. Any money expended for preliminary planning for a given project actually becomes part of the total cost of that project.

The proposal in this budget is somewhat more ambitious than heretofore in the hope of providing greater lead time, particularly for the preparation of preliminary plans for complex and controversial projects. This will permit some of the funds to be used for the advanced programing of projects to be presented to the 1966 Legislature and in selected instances the preparation of actual preliminary plans for projects to be presented to the 1966 Legislature. The latter would usually be the more complex and controversial projects. We believe that this will materially improve present procedures which now result in crash activities usually a few months before the legislative session. *We recommend approval.*

(b) *General planning studies* ----- \$115,000

This project represents a new approach in that it will provide funds for types of general planning studies which cannot be tied to specific projects. For example, it will enable the preparation of a master drainage plan for the Berkeley campus which, because of steady expansion in the upper reaches of the campus on the radiation hill, has found itself with a radically altered watershed runoff pattern which makes some long-range studies and measurements imperative. It will also

University of California—Continued

enable the development of certain standards, particularly in connection with the planning of health sciences facilities. *We recommend approval.*

(c) *Construct Sierra Foothill Range agricultural field station*----- \$290,500

This field station comprising about 5,800 acres is located 13 or 14 miles northeast of Marysville on the Yuba River. The Budget Act of 1963 provided \$100,000 to acquire 800 acres of this total which was to be suitable for developing central facilities such as corrals, feed, storage and horse barns, equipment shed and repair shop, office space, personnel housing, utilities, roads, etc. We have reviewed the plans and proposals which we find reasonable in design and in cost but we have raised questions as to the number of facilities for personnel housing which have not yet been resolved. Consequently, *we recommend special review by the Legislature.*

(d) *Construct and equip Westside Field Station*----- \$178,000

This station comprising 320 acres is located southwest of Fresno in the vicinity of Fivepoints near Coalinga. The land and the substantial number of buildings, including some staff residences, was entirely donated with the understanding that the State would ultimately complete the development. The Budget Act of 1962 provided \$250,000 as the second step in the development and it is now proposed to provide a third and apparently final step which includes an office-laboratory building, glasshouse, lath house and site and utility development. We have reviewed these projects in detail and the designs appear simple and economical. *We recommend approval.*

Berkeley Campus

(e) *Equip Wurster Hall*----- \$381,900

The Budget Acts of 1959 and 1961 provided over \$5,825,000 for the construction of a building to house a school of environmental design and subsequently the Budget Act of 1963 provided \$300,000 as a first increment of equipment for this building. It is now proposed to fund the second and final increment to provide for facilities in architecture, landscape architecture, decorative art, city and regional planning, etc. The amount proposed appears to be reasonable for the size and type of building. *We recommend approval.*

(f) *Equip biochemistry building*----- \$471,000

This building was funded by both the state and the federal government through the National Institutes of Health with the State sharing about 80 percent of the \$3,575,000 cost and the federal government the balance. It is anticipated that the building will be ready for occupancy late in 1964 and it is now proposed to fund the movable equipment needed to make the building operable. Some of the equipment will also be funded from federal sources. The amount appears to be reasonable for a building of this size and type and we suspect it may only be a first increment.

We recommend approval.

University of California—Continued

(g) *Equip chemistry unit 2*----- \$200,000

The Budget Acts of 1961 and 1963 provided over \$5,575,000 for the construction of the building which has over 131,000 gross square feet of area. It is now proposed to fund the first increment of movable equipment with an ultimate additional amount of possibly \$800,000 or more. The amount appears quite reasonable for a building of this type and in all probability additional equipment will be funded through research grants.

We recommend approval.

(h) *Equip Space Sciences Laboratory*----- \$100,000

This laboratory building constructed on the hill in the vicinity of the Lawrence Radiation Laboratory was funded entirely from federal sources. However, some of the space will be devoted to undergraduate work and the proposed equipment represents that share of the equipment which would be devoted to this purpose.

We recommend approval.

(i) *Construct alterations to Moses Hall*----- \$396,300

This building, formerly known as Eshleman Hall, has been acquired from the associated students who used it as an office building and for related student activities. The students are in the process of constructing a new building and when the old one is vacated its 38,000 gross square feet are proposed to be devoted to the Institute of Governmental Studies. Since the building was built in 1931 it has many features that are substantially below current standards for public occupancy. These must be corrected as well as the revamping needed to accommodate the new activities. The cost appears to be reasonable for the purpose and *we recommend approval.*

(j) *Construct storm drain system*----- \$252,000

This project represents a first step in attempting to overcome the drainage shortcomings which have developed on this campus as the result of changes in the watershed by construction of large buildings both up on the hill and on the upper part of the campus. The last two years have indicated acute need for this due to flooding and serious damage which occurred particularly in Strawberry Canyon. We have reviewed the project in detail and have raised some questions concerning some features of the proposal which have not yet been satisfactorily resolved. Consequently, *we recommend special review by the Legislature.*

(k) *Construct and equip alterations to South Hall*----- \$375,000

South Hall is one of the oldest buildings on the campus, having been constructed in 1873. It is still in remarkably good structural condition although it has some serious shortcomings from a safety code standpoint. This project would bring the building to a higher code standard, although not entirely to present day code levels, and would provide about 17,000 square feet of assignable area in a total gross area of

University of California—Continued

about 29,000 square feet. We reviewed this building, on site, rather carefully because of its age and we believe that the expenditure is justified in terms of the probability that the building will be preserved indefinitely.

We recommend approval.

(l) *Construct addition to Engineering*

Materials Laboratory----- \$3,958,000

The Budget Act of 1963 provided \$129,000 for working drawings and design of an addition to the engineering materials laboratory which at that time was contemplated as having about 128,000 gross square feet of area with an ultimate cost of about \$4,700,000. The design has now evolved as an eight-story building with two basement levels of reinforced concrete south of and attached to the existing engineering materials laboratory. The gross area is about 130,000 square feet and the present estimate for the basic building is \$26.38 per gross square foot and the total project cost, exclusive of movable equipment, is \$31.90 per gross square foot. Ultimately, there will be a requirement for about \$600,000 of moveable equipment. This is a highly specialized building with certain structural features that are unique for its purposes. We have raised some questions concerning the design which have not yet been satisfactorily resolved. Consequently, *we recommend special review by the Legislature.*

(m) *Construct alterations to Agriculture Hall*----- \$379,800

Agriculture Hall was built in 1912 and now houses activities related to architecture and environmental design which will be removed to the new environmental design building when it is ready for occupancy. The building will then be remodeled for use by the department of etymology, parasitology and insect pathology all of which require fairly extensive remodeling and establishment of laboratory facilities. The building is in good structural condition and has a gross area of over 43,000 feet. We believe the remodeling is about as economical as can be done and it appears justified. Consequently, *we recommend approval.*

(n) *Construct and equip alterations to*

Life Sciences Building----- \$176,000

This project involves the remodeling of only a portion of this building which was originally constructed about 35 years ago. The area to be remodeled represents about 11,500 gross square feet and the space will require extensive alterations to provide modern laboratory space for research and teaching. We have examined the project in detail and the cost appears satisfactory for the purpose.

We recommend approval.

(o) *Working drawings for Mathematical*

Sciences Building----- \$163,000

This project proposes working drawings and design of a multistory reinforced concrete building with a gross area of about 180,000 square feet which is presently estimated to cost about \$23.31 per gross square

University of California—Continued

foot for the basic building and \$32 per gross square foot for the total project exclusive of movable equipment. The ultimate total cost of the building will be in excess of \$5,250,000. We have raised a number of questions concerning the design which in some instances appears to be excessive, and the estimated cost appears to be higher than can be justified for a building which is essentially a classroom type of structure with no laboratories in the conventional sense. These questions have not yet been resolved. Consequently, *we recommend special review by the Legislature.*

(p) Land acquisition ----- \$420,000

This proposal represents a continuation of the policy of providing funds for opportunity purchases of land in the master plan of long-range development for residence halls and academic and administrative facilities. *We recommend approval.*

Davis Campus

(q) Equip Physical Sciences Unit 2 ----- \$771,000

The Budget Acts of 1962 and 1963 provided over \$4,035,000 for working drawings and construction of a second unit of physical sciences facilities with 116,000 gross square feet of area. The building was intended to house the chemistry department primarily. The project is scheduled for completion in May of 1965. It is proposed in this budget to provide for the extensive movable laboratory equipment and furnishings required in a building of this kind. The amount proposed appears to fall within previous experience for buildings of this size and type. While we have not examined the list in details we believe it is reasonable and *we recommend approval.*

(r) Construct utilities ----- \$1,165,800

This project represents the expansion and some replacement of the utilities system on this campus made necessary by its growth and additional buildings. The two major portions are the steam distribution systems and the electrical systems which together represent over 80 percent of the total cost involved. We have examined the project in detail and we believe that the timing is reasonable and that the cost is in line with the size and character of the project. *We recommend approval.*

(s) Construct Engineering Building ----- \$3,900,800

The Budget Act of 1963 provided \$228,000 for working drawings and design of a two-unit complex of one and three stories respectively to house the engineering department on the campus. At the time, it was contemplated that the gross area of the building would be over 185,000 square feet. The design has now evolved into one having a gross area of 154,000 square feet which is estimated to cost \$22.10 for the basic building and \$27.20 per gross square foot at total project level exclusive of equipment and furnishings which ultimately will require an additional \$1 million since engineering buildings are probably the

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most costly of all college and university buildings to equip. The building is quite simple, involving a considerable amount of precast concrete units, and the cost appears to be reasonable for the purpose. *We recommend approval.*

(t) *Working drawings for alterations to
Physical Sciences Unit 1* ----- \$17,100

When the new physical sciences unit 2 is completed and chemistry is removed entirely to it, spaces will be freed in unit 1 which will be used by the departments of physics, geological sciences, psychology and astronomy. These alterations can not take place until the occupants move to the new building. Consequently, it is proposed at this time to provide only for working drawings which will result ultimately in a total project cost in excess of \$375,000 which appears reasonable for the kind of work involved. *We recommend approval.*

(u) *Working drawings for Veterinary Medical
Facility, Unit 1* ----- \$160,000

The redesignation and expansion of this campus as a general campus of the University has required enlargement of the academic core area to accommodate the new departments and the expanding enrollment. These expansions made the presence of the existing veterinary medical building highly undesirable in its present location because of the large volume of animals that are in and around the building. It is proposed that the existing building be ultimately converted to general biological sciences for which purpose its present design would be easily convertible. In addition the school of veterinary medicine is expected to expand from a current class size of 50 to an ultimate of 120 which would make necessary expansion in these facilities anyway. It seems to us that this approach is a very logical one in view of the expansion of the campus.

The first new unit of veterinary medicine will be on the order of about 176,000 gross square feet contained in a series of buildings to house animals as well as the main instructional and laboratory building. The average cost of these buildings is estimated at about \$21.50 per gross square foot for basic buildings and about \$26.00 for total project level. *We recommend approval.*

(v) *Construct and equip second floor addition to
Cruess Hall* ----- \$259,600

Cruess Hall is a one-story food technology building which is proposed to be expanded by the addition of a second floor to match the existing building. Also sun control will be added to the existing portion of the building as well as being part of the design of the second floor. This is a relatively costly addition, having about 6,500 gross square feet of area which is estimated to cost over \$29.50 per gross square foot for the basic building and almost \$38 per foot for the total project. This space is almost entirely laboratory which, together with the fact that construction must take place on top of an existing building, leads to

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this relatively high cost. We have reviewed the project in detail and we feel that it is the only practical solution to the problem. Consequently, *we recommend approval.*

(w) *Working drawings for Biological Sciences Unit 3*----- \$97,800

This project proposes working drawings and design of a three-story and basement reinforced concrete addition to an existing building which would have a gross area of over 86,000 square feet with a total building project cost of about \$3,400,000 exclusive of movable equipment. Of this total cost it is hoped that nearly a half million dollars of nonstate funds will be forthcoming. Nevertheless, the design indicates a cost for the basic building of \$33.30 per gross square foot and \$39.10 at project level. This appears to be excessive for the purpose. Consequently, *we recommend special review by the Legislature.*

(x) *Working drawings for library expansion, step 2*----- \$97,500

This project proposes the preparation of working drawings and design of an addition to the existing library, comprising four stories and a basement which generally will repeat the architectural exterior of the existing building. The gross area of the addition is estimated at something over 96,000 square feet which is now expected to cost about \$22.63 per gross square foot for the basic building and \$28.32 per gross square foot for the total project exclusive of the remodeling work which will be required in the existing building in order to accommodate the addition. The addition will house an increase of 268,000 volumes and 1,222 reader stations which will about double the existing capacity. *We recommend approval.*

(y) *Working drawings for general campus improvements*— \$20,000

This project proposes the preparation of working drawings and the design of improvements to the general site of the academic core. This will involve the closing of certain streets and the construction of new bypasses, pedestrian and bicycle paths and walks, landscaping, sprinkler system extensions and the development of a plaza. The ultimate cost may be about \$260,000. *We recommend approval.*

(z) *Construct and equip General Services Unit 1*----- \$164,800

This project contemplates the construction of a single story building having about 5,400 gross square feet which will largely be devoted to housing the campus telephone system but will also provide office space and lounge facilities for communications employees and supervisors. The project is estimated to cost about \$21 per gross square foot for the basic building and \$31 at total project level including a certain amount of movable equipment. The building will have certain specialized qualities because of the necessity to protect the telephone dialing equipment. We have examined the project in detail and believe the cost is within reason for the purpose. *We recommend approval.*

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Irvine Campus

(aa) Equip Library Unit 1----- \$220,500

The Budget Acts of 1962 and 1963 provided over \$2,550,000 for working drawings and construction for the first phase of the central library for this new campus. It is now proposed to provide the necessary furnishings and equipment to make the building operable as a library. *We recommend approval.*

(bb) Equip Social Sciences and Humanities Unit 1----- \$284,500

The Budget Acts of 1962 and 1963 provided over \$2,780,000 for the working drawings and construction of a combination classroom-office building to be known as sciences and humanities unit 1. It is now proposed to provide the equipment to make this building operable. *We recommend approval.*

(cc) Equip Natural Sciences Unit 1----- \$838,400

The Budget Acts of 1962 and 1963 provided over \$4 million for working drawings and construction of the first unit of a central science building for this new campus. It is now proposed to provide the equipment to make the building operable. Since science buildings often require 20 to 30 percent of their cost of construction for equipment, the amount appears reasonable. *We recommend approval.*

(dd) Equip cafeteria----- \$93,600

The Budget Acts of 1962 and 1963 provided over \$800,000 for working drawings and construction of a 600-seat combination snack bar and dining hall facility. It is now proposed to provide the equipment to make the building operable. *We recommend approval.*

(ee) Acquisition of books----- \$200,000

The Budget Acts of 1962 and 1963 provided lump sums for acquisition of books for all three new campuses at Santa Cruz, Irvine and San Diego with the goals being about 75,000 to 80,000 volumes on each campus at the time each was opened for first enrollments. The additional \$200,000 proposed is necessary to finish this acquisition for the Irvine campus. *We recommend approval.*

(ff) Equip Multipurpose Unit 1----- \$170,800

The Budget Acts of 1962 and 1963 provided over \$1,750,000 for working drawings and construction of a multipurpose building for this campus. In effect, this is a small physical education complex principally for recreation and intramural purposes. It is now proposed to provide the equipment needed to make the building operable. *We recommend approval.*

(gg) Construct utilities and site improvement----- \$3,305,300

Previous appropriations totaling over \$2,400,000 have already been provided for general development of the site including the installation of utilities and distribution systems as well as grading roads, walks, fields, etc. The additional amount proposed includes almost

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\$1 million for payments to local water and sewerage districts for the campus share of these systems which is a more economical way to provide the services to the campus than to construct state-owned systems. The balance is for additional extensions of the roads and walks, of the utility tunnel system, extension of the internal electrical, water, gas and other utility systems, extension of storm drains, etc. We have raised some questions about some of the costs involved, particularly in connection with the tunnel system, which have not yet been satisfactorily resolved. Consequently, *we recommend special review by the Legislature.*

(hh) Construct and equip Corporation Yard Unit 1..... \$390,000

This project proposes the construction of a complex of buildings for warehousing and general shops, auto maintenance garage and general corporation yard activities. The design contemplates steel frame semi-prefabricated buildings which are estimated to cost about \$8 a square foot for the basic building and about \$11 at total project level. We have raised some questions about the cost of the facility which have not been satisfactorily resolved. Consequently, *we recommend special review by the Legislature.*

Los Angeles Campus

(ii) Equip Chemistry-Geology Building addition..... \$250,000

The Budget Act of 1962 provided \$400,000 as a first increment for equipping this addition which cost over \$4,500,000 to design and construct. The Budget Act of 1963 provided an additional \$500,000 making a total of \$900,000 for equipment. The present proposal would bring the total up to \$1,150,000 which represents about 25 percent of the cost of constructing the building. Since the structure is a very complex scientific instructional and research building the amount appears to be reasonable. *We recommend approval.*

(jj) Equip Knudsen Hall..... \$210,000

This project was originally designated physics unit 2 and was constructed at a cost of over \$5,250,000. Previous appropriations for equipment thus far total \$900,000 and the present proposal would round this out to \$1,110,000 which appears to be entirely reasonable for a complex instructional and research building of this type. *We recommend approval.*

(kk) Equip main library alteration, step 1..... \$76,800

The Budget Act of 1963 provided \$788,000 for remodeling the old library to provide reading areas for about an additional 540 seats. It is now proposed to finance the equipment necessary to make the reading rooms usable. *We recommend approval.*

(ll) Construct central campus utilities..... \$354,800

This project proposes the extension of the utilities tunnel and the construction of access roads, walks, street lighting, planting, irrigating, etc., needed for the University Activities Memorial Center. In addition,

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the tunnel and utilities extension will provide for the projected engineering unit 4. We have examined the project in detail and *we recommend approval.*

(mm) *Working drawings for Franz Hall addition*----- \$140,000

This project proposes the design of an eight-story plus three-base-ment reinforced concrete addition to the existing building which will be physically tied to it by a connecting bridge. It is contemplated that the building will have a gross area of over 112,000 square feet which is presently estimated to cost \$30.75 per gross square foot for the basic building and almost \$40 at total project level. We have raised some questions about these costs which have not yet been satisfactorily resolved. Consequently, *we recommend special review by the Legislature.*

(nn) *Construct utilities to the Center for the Health Sciences* ----- \$348,300

Substantial funds have already been appropriated for the expansion of the Los Angeles Medical Center. These expansions involving the basic sciences, the hospital and clinic area, and the school of dentistry will require utilities beyond the capacity of the existing installation. This project proposes to extend a 78-inch utility tunnel to provide additional power, steam and other utilities. We have reviewed the project in detail and *we recommend approval.*

(oo) *Construct central campus site development*----- \$209,200

This project will provide for development of outdoor play fields, erosion control, drainage, etc., in the vicinity of the Activities Memorial Center which would be necessary to make this center functional. We have examined the project in detail and *we recommend approval.*

(pp) *Construct Chemistry-Geology Building alterations* \$1,232,500

This project proposes alterations and improvements to the old wing of this building in order to bring it up to the standards of the new wing. In addition, there would be space changes and changes in utilization of existing spaces to make the building function more efficiently. The major problem is one of ventilation and air conditioning. The building has over 250,000 gross square feet of area in the old wing. We have examined the project in detail and *we recommend approval.*

(qq) *Construct Law Building addition*----- \$2,115,000

This project proposes the design and construction of a two-story addition to the existing law building which would add about 54,500 square feet of gross area at a cost of about \$24.65 per gross square foot for the basic building. In addition, there would be substantial remodeling and alterations to the existing building including the addition of air conditioning since the new portion is designed with air conditioning. The new space would provide additional library stacks, classrooms, research rooms and staff facilities in order to accommodate a projected increase in enrollment from about 500 in the fall of 1962 to 1,000 students in the near future.

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We have raised questions concerning the design and some of its cost implications which have not yet been satisfactorily resolved. Consequently, *we recommend special review by the Legislature.*

(rr) Working drawings for Theater-Arts Unit 2 ----- \$87,600

This project proposes the working drawings and design of a highly specialized building having a gross area of about 68,000 square feet. The structure would house large production studio facilities for movie and TV instruction as well as many complex auxiliary spaces. The building would be the equivalent of a two-story high structure although all of the large studio areas occupy the full height of the building. Other parts of the building will in fact have two stories of facilities. The cost is estimated at \$32 per gross square foot for the basic building and \$39 at total project level.

We have raised some questions concerning the design and its cost implications which have not yet been satisfactorily resolved. Consequently, *we recommend special review by the Legislature.*

(ss) Working drawings for Mathematical Sciences
Building addition ----- \$145,000

This project proposes working drawings and design of an eight-story and basement plus penthouse reinforced concrete structure with brick panels to match the existing building. Gross area is contemplated at 141,000 square feet which is estimated to cost over \$25 per gross square foot for the basic building and \$30.50 at the total project level. The site is a rather difficult one and the attachment to the existing building imposes some difficult design problems. This accounts for the relatively high cost of a building which is basically classroom with none of the laboratories generally associated with science buildings. *We recommend approval.*

Los Angeles Medical Center

(tt) Equip Physical Rehabilitation Unit ----- \$747,700

The Budget Acts of 1957 and 1961 provided over \$3,500,000 for working drawings and construction of the physical rehabilitation unit on the west medical campus. This building which has over 112,000 gross square feet of area is scheduled for completion late in 1964 and it is now proposed to finance the equipment necessary to make the building operable. The functions in this building require rather expensive and complex equipment which in this case amounts to more than 20 percent of the cost of the building. *We recommend approval.*

(uu) Equip School of Dentistry Unit ----- \$109,000

The Budget Acts of 1962 and 1963 provided over \$5,200,000 for the working drawings and the construction of a school of dentistry facility which was to become part of the main medical complex of buildings. In addition it was anticipated that federal funds would be available to provide still more space as well as part of the equipment. Ultimately the total equipment for this unit will probably exceed \$1,500,000 with perhaps part of its cost coming from other sources. It is now proposed

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to fund only a small part of the total as a first increment. *We recommend approval.*

(v) *Construct Hospitals and Clinics Units 2b, Step 1*
(Jules Stein Eye Institute)----- \$89,400

This project involves a complex funding among the State, a private donor and the National Institutes of Health. The total project cost, exclusive of equipment, is estimated at \$3,411,000, toward which the Budget Act of 1963 provided \$800,000 as a relatively arbitrary share of the cost. More accurate estimates have now been developed which require the State's share to be increased by the amount proposed. *We recommend approval.*

(w) *Construct Hospital and Clinics Units 2b, Step 2*--- \$7,445,000

The Budget Act of 1963 provided \$196,200 toward the cost of working drawings and design of an addition to the hospital and clinics building which would be both vertical by being added on top of existing buildings and horizontal by being added to the side of existing buildings. Part of the cost was anticipated to be forthcoming from federal sources.

The proposal involves the construction of about 136,000 gross square feet of building which architecturally will match completely the existing buildings and which entails a premium in cost because of constructing on top of existing buildings. It is estimated that the basic building will cost \$37 per gross square foot and the total project will be about \$47 per gross square foot. The spaces are highly complex hospital and research type spaces which require elaborate utilities and other facilities. The addition which will provide 320 more teaching beds is needed to accommodate the increase in class size to 128 from the present 75. *We recommend approval.*

Riverside Campus

(xx) *Equip Physical Science Unit 3*----- \$890,000

The Budget Act of 1962 provided \$2,601,000 for the design and construction of a building with 70,000 gross square feet of area to house laboratories and classrooms in the physical sciences which is scheduled for completion in May of 1965. It is now proposed to finance the complex equipment needed to make the building operable. We would point out that the amount proposed exceeds 30 percent of the cost of the structure which seems excessive for the purpose. We have not had an opportunity to review this particular equipment list in order to discuss it with the university. Consequently, *we recommend special review by the Legislature.*

(yy) *Equip cafeteria* ----- \$72,700

The Budget Act of 1963 provided \$749,300 for the design and construction of a permanent central cafeteria building which would have about 21,000 gross square feet of area attributable to the cafeteria operation. In addition, the structure would house a book store and

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other student facilities which would be financed by nonstate funds. The building is scheduled for completion in July of 1965. The state funded portions will provide a 600-seat dining area. It is now proposed to finance the necessary movable equipment to make the cafeteria operable. *We recommend approval.*

(zz) Construct boiler addition No. 3----- \$195,300

The present boiler plant complex includes three boilers of an older design which cannot safely be fired beyond a pressure of 100 pounds per square inch. The increasing loads on this campus require that the distribution system pressure be raised to 150 pounds per square inch in order to continue to utilize the existing distribution pipes. The alternative would be to add new piping to permit the system to continue to operate at the lower pressure. This would be more costly. The project proposes the elimination of the old boilers and replacement by one large one rated at the higher pressure. *We recommend approval.*

(aaa) Construct utility and site improvements----- \$100,300

This project involves the construction of utility extensions, roads, walks and campus lighting to accommodate buildings now under construction or funded. We have examined the project in detail and *we recommend approval.*

(bbb) Construct flood control storm drain----- \$186,000

Some of the natural storm drain features of this site are being eliminated by filling and other structural changes which makes necessary the installation of a 72-inch main storm drain to accommodate the magnitude of floods encountered on a 15-year frequency basis in accordance with data provided by county flood control engineers. We have examined the project in detail and we believe it is justified. *We recommend approval.*

(ccc) Construct utilities and site improvements for
Moreno Ranch ----- \$168,500

The Budget Act of 1961 provided \$650,000 for the acquisition of 850 acres of land in the Moreno Valley about 15 miles to the east of the Riverside campus to be used for the establishment of an agricultural adjunct to the Riverside campus which would be more or less the southern counterpart of the Davis facility. All agriculture will have been eliminated from the Los Angeles campus. It is now proposed to provide a first increment of development of this ranch which involves fencing, an irrigation system and water storage facilities, drainage lines and ditches. *We recommend approval.*

(ddd) Construct Agricultural Sciences Building----- \$2,816,600

The Budget Act of 1963 provided \$99,000 for working drawings and design of a four-story reinforced concrete structure having about 78,000 gross square feet of area to provide laboratories, classrooms and offices for agricultural sciences. The building is currently estimated to cost about \$30 per gross square foot for the basic building and over

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\$38 at total project level. It is intended to accommodate the transfer of the teaching functions of the college of agriculture from the Los Angeles campus as well as research facilities for the agricultural experiment station. We have examined the project in detail and have raised some questions concerning the design and its cost which have not yet been satisfactorily explained. Consequently, *we recommend special review by the Legislature.*

(eee) *Working drawings for Life Sciences Unit 2*----- \$99,000

This project proposes the working drawings and design of a combination three-story and two-story building with basements having a gross area in excess of 82,000 square feet which are now estimated to cost about \$31.30 for the basic building and over \$40 at total project level. It is anticipated that in addition there will be added space provided from federal funds. We have raised some questions about the design and its cost implications which have not yet been satisfactorily resolved. Consequently, *we recommend special review by the Legislature.*

(fff) *Construct classroom and office Unit 1*----- \$2,366,000

This project proposes the design and construction of a three- and four-story, two-wing building with about 73,000 gross square feet of area to house general classrooms and faculty offices. The current cost estimate indicates over \$26.50 per gross square foot for the basic building and nearly \$33.00 at total project level. We have raised a number of questions concerning the design and the cost implications in what should be a relatively simple building without the elaborate facilities provided in a laboratory-type building. These have not yet been satisfactorily resolved. Consequently, *we recommend special review by the Legislature.*

(ggg) *Construct and equip glasshouses and headhouses*---- \$389,000

This project proposes the construction of two large glasshouses and attached headhouses having a total gross area of about 10,000 square feet. These facilities are identical with others constructed in prior years and will be required principally for the department of ornamental horticulture which is being transferred to the Riverside campus from Los Angeles. We have reviewed the project in detail and *we recommend approval.*

(hhh) *Construct and equip agricultural
engineering shops*----- \$105,800

This project involves the construction of a prefabricated metal utility type shop building having about 5,000 gross square feet of area which will accommodate machine, sheet metal and welding shops together with a small wood working and instrument shop and tool room. This facility is part of the transfer of the agriculture activities from the Los Angeles campus.

We recommend approval.

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(iii) Construct corporation yard addition----- \$163,700

This project proposes the design and construction of additions to the existing corporation yard buildings totaling over 8,100 gross square feet of area at an estimated construction cost for the basic building of over \$14.40 per gross square foot and over \$19 at total project level. This will provide added space for the carpenter shop expansion for the store house and receiving building to provide additional office space and some expansion for the central garage building to provide for a steam cleaning area. Construction will generally match the existing buildings using steel frame, concrete base and transite walls. We have examined the project in detail and *we recommend approval.*

San Diego Campus

(jjj) Equip Building D for first college----- \$716,700

The Budget Acts of 1960 and 1962 provided over \$2,000,000 for working drawings and construction of Building D in the school of science and engineering to house the departments of biology and chemistry. While biology and chemistry facilities require a high degree of investment in movable equipment the proposed amount represents over 30 percent of the construction cost which is higher than we have usually anticipated. We have not yet had an opportunity to examine the equipment list in detail and consequently *we recommend special review by the Legislature.*

(kkk) Equip General Services and Cafeteria
Building, Step 1----- \$80,600

The Budget Act of 1963 provided \$804,700 as the State's share of the cost of constructing a general services and cafeteria building which would become part of the student activities center. The balance of the building to house student organization facilities was to be funded from other sources. The building will provide a 400-seat dining area with a kitchen sized for an additional 400 seats. It is now proposed to fund the movable equipment necessary to make the cafeteria operable. *We recommend approval.*

(lll) Acquisition of books----- \$200,000

Previous appropriations have been provided to make possible the acquisition of about 75,000 volumes for each of the three new campuses, Santa Cruz, Irvine and San Diego. The \$1,240,000 that has been appropriated to date is not adequate to completely take care of each campus. This, therefore, is a proposal to finish the financing for this particular campus to provide 75,000 volumes. *We recommend approval.*

(mmm) Construct utilities and site improvements----- \$666,500

This project will provide for utilities extensions to the new buildings on the school of science and engineering campus, the development of roads, walks and other general site landscaping as well as utilities extensions and improvements to the system at the Scripps Institute of Oceanography. We have reviewed this project in detail and *we recommend approval.*

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(nnn) Construct Building F for first college----- \$3,319,700

The Budget Act of 1963 provided \$106,000 for working drawings and design of a laboratory and classroom building of 100,000 gross square feet to house principally undergraduate instructional programs in mathematics, life sciences, physical sciences and applied sciences. It is actually part of the school of science and engineering which is referred to as the first college. The present cost estimate indicates about \$29.40 per gross square foot for the basic building which includes fixed laboratory equipment and about \$34.85 per gross square foot at total project level. We have reviewed this project in detail and the cost appears reasonable for the type of facility involved. Ultimately movable equipment costing over \$670,000 will probably be required. There appears to be substantial overcapacity at San Diego and a need to examine more closely into planning for student enrollments at this campus. *We recommend special review by the Legislature.*

(ooo) Acquisition of books----- \$159,400

Previous funding of \$175,000 was provided for the purchase of about 13,500 volumes for the medical school of this campus. In order to bring this total to 23,400 volumes it is proposed to expend the additional funds requested. *We recommend approval.*

San Francisco Campus

(ppp) Equip Health Sciences Instruction and
Research Unit 1----- \$989,000

The previously funded twin 16-story towers of the health sciences instruction and research unit 1 which were funded by a combination of state and federal sources is anticipated to be ready for occupancy by the fall of 1965. These towers are complex scientific buildings in which 70 percent of the space will be used for research purposes and 30 percent for instructional purposes. Facilities of this type are very costly to equip. This proposal represents only a portion of the equipment since the larger share will be funded by grants from the National Institute of Health. *We recommend approval.*

(qqq) Land acquisition----- \$860,000

This proposal involves part of the cost of acquiring the land to meet the long range plan for the expansion and development of this medical campus. The ultimate land cost may total well over \$3 million but the master plan visualizes a very intensive utilization of the land base for both academic and nonacademic purposes. It is contemplated that the amount now proposed will probably purchase the site for the clinics expansion and several other parcels. *We recommend approval.*

Santa Barbara Campus

(rrr) Equip Marine Biology Laboratory----- \$32,000

The Budget Act of 1963 provided \$480,400 for the construction of

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a marine biology laboratory with about 11,500 gross square feet of area. The Budget Act of 1962 had provided \$21,300 for working drawings. There was included in the appropriation about \$90,000 for the major part of the movable equipment. It is now proposed to complete the complement of equipment by this expenditure. *We recommend approval.*

(sss) *Equip Administration Building*----- \$158,700

The Budget Act of 1962 provided \$1,936,600 for working drawings and construction of a five-story tower with one-story wings having about 74,000 gross square feet of area to serve as an administration building. The building is scheduled for completion sometime in the middle of 1964 and it is now proposed to finance the equipment needed to make the building operable. It is anticipated that the size of the building is adequate to serve when the enrollment reaches approximately 10,000 FTE. *We recommend approval.*

(ttt) *Equip engineering laboratories*----- \$214,100

Facilities originally provided for the Industrial Arts program, which has now been phased out of this campus, have been converted to general engineering use and the Budget Act of 1963 provided \$100,000 for an initial complement of engineering equipment. It is now proposed to expand this complement of equipment in order to accommodate the growing engineering enrollment. A project further on in this analysis involves the construction of a building especially designed for engineering. *We recommend approval of the equipment.*

(uuu) *Land acquisition for general campus expansion—*
89 acres ----- \$484,900

The Legislature, in the Budget Act of 1963, approved the purchase of 89 acres adjacent to the campus by appropriating a one-third down payment. It is now proposed to provide funds for the second payment and ultimately there will be a third and last payment. *We recommend approval.*

(vvv) *Construct utility and site improvements*----- \$941,000

This project covers an extensive program of utility and site development to accommodate new buildings which are under construction or funded or which may be proposed in this budget. Involved are such things as additional power supplies to the campus generally, a special power supply for the cyclotron building, power distribution to new buildings such as the marine biology laboratory and new residence hall, additional water and gas distribution lines, additional campus lighting, roads, walks and landscaping development, etc. We have reviewed this project in considerable detail and *we recommend approval.*

(www) *Construct Engineering Unit 1*----- \$3,062,600

The Budget Act of 1963 provided \$100,000 for design and working drawings of a multistory specialized engineering building having ap-

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proximately 102,000 gross square feet of area. The design has fairly closely followed this total area and the current estimate of cost is approximately \$25.25 for the per gross square foot for the basic building and over \$31.40 for per gross foot at total project level. Ultimately there will be requirements for movable equipment probably exceeding \$675,000. Engineering buildings are usually the most costly on any campus particularly on the older more sophisticated campuses where a great deal of research work takes place. In this instance the work is largely undergraduate and the costs are not quite as great as might otherwise be the case. We have reviewed this project carefully and *we recommend approval.*

(*xxx*) *Working drawings for Classroom and Office Unit 3*— \$124,200

This project proposes the design and working drawings for a five-story building having about 144,00 gross square foot of area, containing classrooms and so-called laboratory spaces to accommodate the departments of foreign languages, literature and education. Basically this should be a simple building since the so-called laboratories do not involve the heavy utilities and other specialized features that the science laboratories require. The cost is presently estimated at about \$24.30 per gross square foot for the basic building and \$29.60 per gross square foot at total project level exclusive of movable equipment. We have raised some questions concerning the design and what we believe to be a slightly higher cost than can be justified for this simple building. These questions have not yet been resolved. Consequently, *we recommend special review by the Legislature.*

(*yyy*) *Working drawings for Library Unit 3*----- \$128,000

This project proposes the design and working drawings for an eight-story addition to the existing library structure. It will have a gross area in excess of 119,000 square feet which is presently estimated to cost over \$26.50 per gross square foot for the basic building and over \$31.40 per gross square foot at project level. We believe this to be quite excessive for a simple loft type library building and we have raised questions accordingly which have not yet been satisfactorily resolved. Consequently, *we recommend special review by the Legislature.*

(*zzz*) *Construct Cyclotron Building*----- \$334,000

This project proposes the construction of a highly specialized building having a gross area of almost 9,000 square feet in which will be housed a 50 MEV cyclotron and other facilities which will probably be funded from nonstate sources. The building is of such complex and specialized nature that the estimated cost of \$29.91 per gross square foot for the basic building is somewhat meaningless for purposes of comparing with other facilities. We have examined the project in considerable detail and in recognition of its specialized characteristics we believe the cost to be in line. Consequently, *we recommend approval.*

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Santa Cruz Campus

(aaaa) Equip Natural Sciences Unit 1..... \$614,000

The Budget Act of 1963 provided \$3,347,000 for working drawings and construction of a building then designated as physical sciences unit 1 which was to house the departments of physics, chemistry, geology and initially, on an interim basis, biology. The designation has now been changed to natural sciences unit 1. It will have an area of over 82,000 gross square feet in which there will be mostly laboratory spaces with some classrooms. It is now proposed to finance the purchase of the necessary movable equipment to make the building operable. The amount proposed represents about 20 percent of the cost of construction which is in line for buildings of this type. *We recommend approval.*

(bbbb) Acquisition of books..... \$200,000

This proposal carries out the basic concept of 75,000 library books for an initial complement as explained in similar projects for Irvine and San Diego. *We recommend approval.*

(cccc) Construct utilities and site improvements..... \$942,700

Previous appropriations have already provided \$1,245,000 for general utility and site development purposes on this new campus. However, extensions of all of these are now needed to accommodate the specific buildings in colleges Nos. 1 and 2, the natural sciences unit 1, the field house and the library unit. This involves electricity, water, gas, sewerage, roads, walks, campus lighting, etc. We have examined the project in detail and *we recommend approval.*

(dddd) Construct Library Unit 1..... \$2,550,000

The Budget Act of 1963 provided \$92,500 for design and working drawings of a multistory central library unit to accommodate the first college satellites. This has now evolved into a building containing over 100,000 gross square feet of area which is estimated to cost about \$22.50 per gross square foot for the basic building and \$27 at total project level. We have raised some questions which have not yet been satisfactorily resolved. Consequently, *we recommend special review by the Legislature.*

(eeee) Construct academic and dining facilities portion of
Residential College No. 2..... \$953,000

College No. 2 which is intended to be generally similar to college No. 1 is estimated to have over 136,500 gross square feet of area including student residence facilities. The total cost of the project exclusive of movable equipment is presently estimated at \$4,155,000. It is proposed to fund, at state expense, only the dining room and academic areas for which it is not possible to quote a square foot cost because the estimates have not been broken down on this basis. Generally, however, these should follow the cost expected in college No. 1 which was supposed not to exceed a per student cost equivalent to the development of conventional facilities. *We recommend approval.*

University of California—Continued

(ffff) Working drawings for academic and dining facilities
portion of Residential College No. 3----- \$36,100

This will provide for working drawings only, or the state's share of the working drawings to cover just the dining and academic facilities of college No. 3 which would be on a similar basis as the item immediately preceding. *We recommend approval.*

(gggg) Construct and equip fieldhouse----- \$320,000

This project proposes the design and construction of a fieldhouse for general recreational and intramural purposes having a gross area of about 13,000 square feet which is estimated to cost \$18.13 per gross square foot for the basic building and \$22.76 per gross square at total project level which will include two tennis courts. This project, to a more limited degree, will serve somewhat the same purpose as the so-called multipurpose building that was provided at the Irvine Campus. *We recommend approval.*

UNIVERSITY OF CALIFORNIA

ITEM 349 of the Budget Bill

Budget page 857

FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT, UNIVERSITY OF CALIFORNIA FOR ALLOCATION BY DIRECTOR OF FINANCE FROM THE STATE CONSTRUCTION PROGRAM FUND.

RECOMMENDATIONS

Amount budgeted-----	\$1,534,700
Recommended for approval-----	1,073,000
Recommended for special review-----	461,700

ANALYSIS

This item proposes three working drawings projects and one construction project on four campuses of the university with the funds to be available under special circumstances in which the Director of Finance must first be satisfied as to the proper scope, architectural and engineering design and cost estimate of each project before funds can be transferred to the university. This is a technique to fund certain projects in which there are some fundamental controversies which must receive policy guidance from the Legislature.

(a) Working Drawings School of Public Health
Los Angeles Medical Center----- \$63,900

This project proposes the establishment of facilities at the Los Angeles Medical Center which were not contained in the five-year plan of the university. It represents an approach which requires legislative consideration and approval since it will add a cost of over \$2,000,000 to the State for a program that had not previously been considered. A substantial portion of what is proposed would ultimately be funded from federal or other sources. The additional space would be attached to and become part of the hospital and clinics complex in Los Angeles and would probably involve in excess of 120,000 gross square feet. *We recommend special review by the Legislature at this session.*

University of California—Continued

- (b) Working Drawings for Basic Sciences Building
San Diego Medical Center----- \$346,200

This project which is presumably to be placed on the new campus area near the school of science and engineering was not included in material furnished for the five-year program from 1964 to 1969. Nor have we received any preliminary plans or specifications to cover the project. From the amount being proposed we would assume that the cost of the facility, which would be a first increment of the medical school, would be well in excess of \$6 million. This is a proper subject for review by the Legislature to determine whether it is prepared, on a timing consideration to move ahead at this time. *We recommend special review by the Legislature.*

- (c) Construct interior completion of three floors of health sciences instruction and research unit 1 ----- \$1,073,000

The original funding of the twin 16-story tower health sciences unit at San Francisco contemplated a certain level of federal participation which ultimately was not forthcoming. During the 1963 Session the proposal was put forward that the available state funds be used in such a way that the total shell of the second tower be completed and that eight floors be entirely unfinished on the inside with finishing to be accomplished as the university was able to make justification and the Legislature could find funds or federal funds were available. It is now proposed to finish three of the eight floors which are required to accommodate the 128 student entering class in the fall of 1966. Subsequently, three more floors will be finished to provide the necessary clinical departments for the advanced portions of the class of 128. We reviewed this concept in considerable detail at the last session and we believe that the proposal made at this time is appropriate if the class size is to expand fully as anticipated. *We recommend approval.*

- (d) Working drawings for central heating plant and distribution system—Santa Cruz ----- \$51,600

The original concept of the development of a series of separate colleges on the Santa Cruz campus was not very clear on the subject of heating facilities. The first approach involved separate heating plants in each of the several colleges. Economic reviews have now changed some points of view and thought is being given to the provision of a central plant with the necessary widespread distribution system which it is believed will result in a substantially reduced operating cost. As of this writing the entire matter is not very clear and, consequently, *we recommend special review by the Legislature.*

UNALLOCATED

Item 350 of the Budget Bill

ANALYSIS

This item proposes that the Director of Finance be empowered to transfer, from the appropriations contained in this act, funds necessary

University of California—Continued

as the State's contribution of matching funds for federal grants, subject to certain restrictions. The transferred funds must be made available as the result of federal contributions to projects authorized by this Budget Bill and the projects for which the transfer will be made must be ones selected from the list of University of California health science projects as detailed in Item 350 of the Budget Bill. It is recognized that adoption of this item can give the Director of Finance the authority for contributing state funds to a project that has not been reviewed by the Legislature, but we believe that the possible opportunity of accepting federal funds that might otherwise be lost offsets this disadvantage. *We recommend approval of the item.*

University of California
COLLEGE OF MEDICINE

ITEM 351 of the Budget Bill

Budget page 875

FOR PRELIMINARY PLANNING AND PROGRAMMING
COLLEGE OF MEDICINE AND PROGRAMMING
CONSTRUCTION PROGRAM FUNDS

RECOMMENDATIONS

Amount budgeted	\$62,500
Recommended for approval	No change

ANALYSIS

Chapter 1933 of the Statutes of 1963 made the California College of Medicine an affiliate of the University of California and undertook its support as a state-operated institution of higher learning. It will continue to be administered by the existing nonprofit corporation and the Legislature will exercise such control as may be necessary to insure the security of state funds.

The existing facilities are largely old and obsolete and a medical accrediting team has indicated that the first step in improving the facilities is to replace existing basic science areas.

This item proposes to provide funds for preliminary planning and programming of basic sciences facilities which should result ultimately in preliminary plans and specifications to be presented to the Legislature, possibly in 1965, for the funding of the construction phase. Based on past experience, the expenditure of this amount for preliminary planning and programming would probably result in construction costs on the order of \$3.5 to \$4.5 million.

We recommend approval of the item.

TRUSTEES OF THE CALIFORNIA STATE COLLEGES

ITEM 352 of the Budget Bill

Budget page 880

FOR PROJECT PLANNING AND STUDIES TO BE ALLOCATED
 BY THE DIRECTOR OF DEPARTMENT OF FINANCE TO
 THE TRUSTEES OF THE CALIFORNIA STATE COLLEGES
 FROM THE STATE CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted ----- \$1,000,000
 Recommended for approval ----- No change

ANALYSIS

(a) *Project planning for 1964-65* ----- \$750,000

This proposal follows a long established policy of providing funds for the preparation of preliminary plans and outline specifications for projects to be presented to the succeeding Legislature for funding of working drawings only for very large projects or for working drawings and construction of lesser projects. It is based on standardized formulas where the State Office of Architecture and Planning usually calculates $1\frac{1}{4}$ percent of the project cost for preliminary plans and specifications and the private architects calculate on the basis of $1\frac{1}{2}$ percent for the same purpose. It is anticipated that about 55 percent of the projects will be allocated, by the Trustees, to the Office of Architecture and Construction and 45 percent to private architects. This procedure is essential if the Legislature at each session is to have adequate information placed before it for consideration. While the designation is for project planning during the 1964-65 fiscal year the implication is that it will be for projects to be presented to the 1965 session of the Legislature for funding for the 1965-66 fiscal year. *We recommend approval.*

(b) *Project planning for 1965-66* ----- \$200,000

This proposal represents part of a new approach to try to prevent some of the crash activities that occur just before the time the budget is assembled by the Governor's staff and the Department of Finance. It is hoped that by planning two years in advance, particularly on the more complex and the more costly projects, there will be avoided some of the confusion and last minute differences of opinion and the inadequate review time resulting from the present process. While the designation speaks of project planning for 1965-66, the work will occur actually during the fiscal years of 1964-65 and 1965-66 for projects to be presented to the 1966 session of the Legislature for funding during the 1966-67 fiscal year. We believe that this is a worthwhile approach that will result in more adequate and satisfactory preliminary plans and specifications, particularly for complex projects. *We recommend approval.*

(c) *General studies* ----- \$50,000

This proposal is also a somewhat new approach, to provide funds for the generalized studies that cannot be tied to any specific construction proposal. It will enable the establishment of standards in design and scope of buildings, studies of overall problems on the several cam-

Trustees of the California State Colleges—Continued

poses which may result in a series of projects or even in none at all and studies that will permit schematic planning for projects to be financed from nonstate, loan funds, particularly FHHA funds which are available for residence halls, dining facilities and student unions. *We recommend approval.*

TRUSTEES OF THE CALIFORNIA STATE COLLEGES

ITEM 353 of the Budget Bill

Budget page 881

FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT, TRUSTEES OF THE CALIFORNIA STATE COLLEGES FOR ALLOCATION TO THE SEVERAL COLLEGES FROM THE STATE CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted	\$53,292,970
Recommended for approval	25,472,160
	\$27,820,810
Recommended for special review	

ANALYSIS

This item represents a new approach to providing funds for major construction at the state colleges by lumping all projects in a single schedule for all colleges and appropriating that entire schedule to the Trustees of the California State Colleges rather than to individual colleges. The Trustees in turn would make the necessary allocations in accordance with the schedule attached to the line item. This is essentially the same manner in which the appropriation is made to the University of California for major construction. We believe that to a considerable degree this would permit the Trustees to move funds that were saved from projects at one college to projects at another college requiring additional funds without going through the Public Works Board. This is not to imply that the Trustees will actually follow such a procedure. They may in fact continue to treat each project in the schedule on its own merits and require that augmentations go through the Public Works Board and savings returned to the augmentation fund. We propose to watch the new procedure very carefully and report back to the Legislature in the event we feel that such practices are occurring.

The total proposal covering 21 campuses, two of which are as yet operating only in temporary facilities and two of which have not yet commenced any student operation, comprises 48 major construction projects for a number of which previous working drawings have been funded, 34 equipment projects mostly for previously funded construction, seven working drawings projects for future construction funding and three property acquisition projects. Each project will be discussed in the following under a subheading for the appropriate college.

Trustees of the California State Colleges—Continued

Chico State College

(a) *Construct farm buildings, phase II*----- \$401,700

This project involves the construction of four separate and distinct farm buildings together with immediately adjacent site development and utilities extensions. There is a sheep barn, a beef cattle breeding barn, a farm mechanics shop and a field and fruit crops unit. The sheep barn will be of wood pole framing with board and batten siding and wood roof together with a concrete floor. The beef cattle barn will be essentially similar in construction type. The farm mechanics shop will be of wood framing with laminated beams and wood siding with concrete floor. The field and fruit crops unit will be of steel frame construction with aluminum siding and roofing and concrete floor. Costs are generally within the range of most farm type buildings running from \$5.10 per gross square foot for the basic building in the sheep barn to \$11.25 per gross square foot in the field and fruit crops unit.

This proposal should round out the farm complement and make it possible to conduct the kind of program that was contemplated when the farm was purchased. *We recommend approval.*

(b) *Construct air conditioning unit, Humanities Classroom Building*----- \$102,000

This project consists of the installation of water chilling equipment, cooling tower and the connection of these to the existing coils in the air supply units. In addition the exhaust system for the building is re-vamped and certain other changes are made. The cost appears to be in line with the size and type of project. *We recommend approval.*

(c) *Construct air conditioning, Social Science Building*--- \$117,000

This project does essentially the same thing as in the previous project except that the installation is more complex and requires additional pieces of equipment that were already in place in the other building. The cost appears to be in line for the size and type of project and *we recommend approval.*

Fresno State College

(d) *Equip library addition*----- \$260,000

The Budget Acts of 1961 and 1963 provided funds for working drawings and construction for an addition to the existing library which would provide 825 more reader stations and stack space for an additional 190,000 volumes in a gross area of approximately 57,000 square feet. This project will now provide the necessary tables, chairs, book-stacks and other equipment to make the addition functional. *We recommend approval.*

(e) *Equip biology classrooms, phase III*----- \$38,000

The Budget Act of 1962 provided funds to remodel two existing lecture classrooms into biology laboratories and at that time also provided an initial complement of equipment. The Budget Act of 1963 provided an additional complement of equipment as phase II and it is

Trustees of the California State Colleges—Continued

now proposed to provide a third and final increment. *We recommend approval.*

(f) *Construct outdoor physical education facility*----- \$60,000

This will provide for the development of an additional five acres of turfed area including a practice football field all of which can be used on multipurpose basis. The cost is in line with this kind of development. *We recommend approval.*

(g) *Working drawings for Administration Faculty Office Building* ----- \$45,000

This project proposes the construction of a new administration office building which would also provide faculty office spaces on a site to the east of Maple Avenue which heretofore has been used for farming and which would represent the first expansion into new territory and out of the existing academic core. Ultimately the plan is to close Maple Avenue which is entirely owned by the State, and make it into a sort of pedestrian mall with additional buildings going in to the east, housing classrooms and general academic facilities. We have raised a number of questions about the design which we believe to be excessive and costly, which have not yet been resolved.

The plan contemplates a building two stories in height and over 55,000 gross square feet in area which would ultimately cost over \$1,400,000. *We recommend special review by the Legislature.*

(h) *Construct air conditioning for Social Science Building*— \$75,400

This will provide the basic refrigeration and chilled water circulation equipment to serve cooling coils that are already in place. The cost is in line and *we recommend approval.*

(i) *Construct air conditioning for Speech-Arts*----- \$75,400

The same comments as on the Social Science Building. *We recommend approval.*

(j) *Construct air conditioning for Science Building wing H* \$58,800

Same comments apply as on project above. *We recommend approval.*

State College at Hayward

(k) *Construct physical education facilities*----- \$2,545,500

The project represents the first major gymnasium facility on this new campus. It involves the construction of a building having over 101,000 gross square feet of area together with a complement of two standard swimming pools. The design permits future additions for more shower, locker and specialized activity room spaces. Construction is of reinforced concrete throughout with steel framing in the main gymnasium area. The cost of the basic building is estimated at \$19.25 per gross square foot and about \$26.35 per gross square foot for the total project exclusive of the swimming pools which will cost about \$185,000. We have raised some questions about this project which have not been resolved. *Consequently, we recommend that this project be given special review.*

Trustees of the California State Colleges—Continued

(l) *Construct cafeteria* ----- \$1,345,500

This project will provide a basic eating facility for the entire campus which is quite essential since the campus is isolated from general public eating facilities. It will be a two-story reinforced concrete structure having a gross area of over 38,000 square feet with separate snack bar and general dining room areas seating over 950 people. The basic building is estimated to cost about \$23.40 per gross square foot and the total project is estimated to cost \$36.40 per gross square foot including all fixed kitchen equipment but excluding movable equipment such as chairs and tables which will be requested in a later budget. We have examined the project in detail and we believe that the design is a good one and that the cost is in line for this type of facility. *We recommend approval.*

(m) *Working drawings and site development*----- \$603,000

This project will provide for a main access road to the campus from the south for which the city and county will provide an extension of Harder Road. This project would merely pick up the campus share at the boundary line and carry it on into the campus proper which requires considerable earth movement and some fill on a balanced basis. This will be a very important access to the campus since it will intersect the new freeway. The cost appears to be in line for the purpose and *we recommend approval.*

(n) *Equip corporation yard and boiler plant, phase II*---- \$52,800

The Budget Act of 1962 provided funds for the construction of a central boiler plant and corporation yard, it also provided some funds for initial equipment as a first phase. It is now proposed to provide the second and what probably should be a final phase for this purpose. *We recommend approval.*

(o) *Equip Science Building, phase II*-----\$516,000

The Budget Act of 1961 provided almost \$5.5 million for construction of a science building and the Budget Act of 1963 provided \$719,000 as the first phase for equipping the building. This proposal represents the second phase and not necessarily the last. On an empirical basis the equipping of complex science buildings often runs between 20 and 30 percent of the cost of constructing the project. In this case this could mean an ultimate total of over \$1,500,000 which is more than the first and second phase will be providing thus far. While we have not reviewed the list in detail we believe that it appears to be in line for the purpose. *We recommend approval.*

(p) *Equip Fine Arts Building, phase II*----- \$65,000

The Budget Act of 1961 provided over \$2,300,000 for the construction of a fine arts building and the Budget Act of 1963 provided \$131,000 for the first phase of equipping the building. This proposal would make the second phase but not necessarily the last, since this type of building with relatively expensive art equipment often requires

Trustees of the California State Colleges—Continued

as much as between 10 and 15 percent of the cost of construction for equipping the building. *We recommend approval.*

Humboldt State College

(q) *Site acquisition* \$120,000

This campus has difficult site problems because of hilly terrain. Expansion requires additional buildable land. This proposal would provide several small improved parcels on which additional construction can proceed without premium development costs.

We recommend approval.

Long Beach State College

(r) *Equip physical education addition* \$99,000

The Budget Acts of 1962 and 1963 provided over \$3,350,000 for the construction of an addition to the existing gymnasium which would provide thereby separate playing areas for men and women. It is now proposed to supply the equipment necessary to make the addition functional. The amount appears to be entirely in line with this type of building. *We recommend approval.*

(s) *Construct language arts classroom and office building* \$1,968,800

This project contemplates the construction of a two-building complex, one being a nine-story tower, and the other a three-story building, both of reinforced concrete, together having a gross area of over 67,000 square feet and costing about \$23.15 per gross square foot for the basic buildings and almost \$32 per gross square foot at total project level. The building will have specialized speech and language facilities plus about 220 faculty office stations, most of them on a two-man per office basis. The design appears to be relatively costly as evidenced by the cost quoted above and we have raised a number of questions concerning these which have not as yet been resolved. *Consequently, we recommend special review by the Legislature.*

(t) *Construct industrial arts building No. 2* \$726,700

This project contemplates the construction of a two-story building which will be essentially identical in design with the existing Industrial Arts building. It will have over 24,000 gross square feet of area which is contemplated to cost nearly \$20 per gross square foot for the basic building and \$25.25 per gross square foot for the total project exclusive of movable equipment. The structure will be of reinforced concrete and the cost appears to be in line for this type of facility. *We recommend approval.*

(u) *Construct corporation yard* \$227,500

This project contemplates the expansion of the existing corporation yard which heretofore has been making use of certain temporary buildings which must now be moved or eliminated to make way for the new industrial arts expansion. Part of the corporation yard is already in permanent structures. This will provide an addition of over 8,000 gross square feet of area for shops and storage purposes as well as large paved

Trustees of the California State Colleges—Continued

areas for the storage of vehicles and material which can be stored in the open. The basic buildings are estimated to cost about \$14.35 per gross square foot which appears to be a reasonable cost for the type of building and the necessary permanent equipment. Construction will be of reinforced concrete block which will also serve as a perimeter delineation, and wood roof framing. *We recommend approval.*

(v) Equip corporation yard----- \$23,000

This will provide the necessary equipment to make the buildings above functional. *We recommend approval.*

(w) Construct air conditioning for classroom building No. 5----- \$150,300

Classroom building No. 5 is really a combination two-wing building, one part housing classrooms and the other faculty offices, together representing about 150,000 or more gross square feet of area. The existing ventilation system has proved to be inadequate particularly in those portions of the buildings which are core type with interior windowless rooms. Study has indicated that it would be more costly to revamp the duct work and increase the ventilation capacity than to merely add refrigeration to the existing ventilation system. Consequently, even though this location would normally not justify air conditioning we believe that it is the most economical approach in this situation. *We recommend approval.*

Los Angeles State College

(x) Construct administration building addition----- \$2,691,800

The Budget Act of 1962 provided \$53,300, and the Budget Act of 1963, \$60,000 for working drawings for an addition to the existing administration building which is now conceived as a multistoried structure actually straddling the existing building, which is only two stories in height, and thereby forming a tower of nine stories plus penthouse. The addition will have about 86,400 gross square feet of area which is estimated to cost \$23.28 per gross square foot for the basic building alone which will be of steel and concrete construction. The existing building will also require extensive remodeling to accommodate the new portion and to allow for reshuffling of space uses. We have raised questions which have not yet been resolved, as of this writing. *Consequently, we recommend special review by the Legislature.*

(y) Construct classroom building No. 2 and parking structure----- \$6,426,510

The Budget Act of 1961 provided \$200,000 and the Budget Act of 1963 provided \$110,000 for working drawings for a large classroom building designated as classroom building No. 2. In the interim, the master planner for this campus and others have put forward the concept that because of the very tight nature of this campus and the need for additional parking space, and because additional land is very costly, both to buy and develop, that this building be developed as part of a complex in which it would be underlain by a two- or three-

Trustees of the California State Colleges—Continued

level parking structure in which the top deck would act as a building base and walking deck. The top deck would initially have room for some additional building construction. The site would be where the temporaries now sit which is substantially elevated above the immediately adjoining surface parking lot and it is contemplated that the same concept would be carried northward into this elevated area for still more parking space and more building construction in the future.

The initial structure would have over 261,000 gross square feet of garage area and over 173,000 gross square feet of classroom building area. Clear separations in cost of these two spaces have not yet been made so that at this writing it is not possible to quote a square foot cost for the building. However, a number of studies have indicated that the combined approach will result in parking spaces which will be less costly than by any other means and in a building cost which would be no more than that resulting from the conventional approach, and possibly less. A number of questions remain to be resolved and explained, *consequently we recommend special review by the Legislature.*

(z) *Construct site development and access*----- \$404,000

The proposed amount represents actually a balancing amount rather than one which can be tied to specific construction. It is part of the plan by which the purchase, and development for parking purpose, of land to the north of the campus and land to the west of the campus on high ground was conceived as a result of studies made by a traffic engineering firm. To date the total that has been provided is \$1,886,155 and the total plan of purchase and development and working drawings for additional access road development comes to \$2,290,300 which results in the request for the \$404,000 to balance out this entire package. Ultimately there will be additional construction funds requested to develop the area for which working drawings will now be provided. We have reviewed this project in considerable detail and we believe it is essential that it go forward in order to provide the necessary parking spaces and the ultimate improved access to the campus. *Consequently, we recommend approval of the additional funds.*

Orange State College

(aa) *Equip music-speech-drama building*----- \$400,000

The Budget Acts of 1961 and 1962 provided almost \$4,700,000 for working drawings and construction of a facility to house the music-speech-drama departments. It is anticipated that the building will be ready for occupancy during the budget year and consequently it is necessary at this time to fund the movable equipment and furnishings. The amount proposed appears to be reasonable for the size and type of building and though we have not as yet reviewed the equipment list in detail, *we would recommend approval subject to later review.*

(bb) *Equip science building, phase III*----- \$400,000

The Budget Acts of 1962 and 1963 provided \$1,750,000 in two phases for the equipping of the science building on this campus. It will be

Trustees of the California State Colleges—Continued

recalled that the science building was constructed initially of a size adequate to house the science curriculum when the total campus enrollment reached 10,000 (FTE) and that in the interim other activities would take place in the building which would gradually be phased out into other buildings as they were constructed with the released space being converted to science use. This proposal continues this program of converting the space to science purposes. The amount appears to be in line for the purpose, although we have not as yet reviewed the list in detail. *We recommend approval subject to later review.*

(cc) Construct library building----- \$4,716,000

The Budget Act of 1963 provided \$110,000 for the preparation of working drawings for a building to house the library and audiovisual services which has now developed into a design having over 215,000 gross square feet of area consisting of a basement and six floors plus penthouse entirely of reinforced concrete construction which is estimated to cost about \$19.23 per gross square foot for the basic building and \$22.62 per gross square foot for total project level. These appear to be reasonable figures for a large, loft type building which initially will include several floors of classrooms which will be phased out in the future. The initial classrooms will provide temporary space for about 1,700 students (FTE) whereas the total gross area of the library will have sufficient space to ultimately serve the needs of 10,000 (FTE) as well as housing the audiovisual department. *We recommend approval.*

(dd) Site development, phase III----- \$520,500

The Budget Act of 1963 provided \$23,000 to prepare working drawings for further site development of this campus in order to provide the necessary roads, walks, utilities and other appurtenances needed to make the new buildings operable. The plan has been developed in some detail which we have reviewed and found justifiable both as to scope and cost. *We recommend approval.*

(ee) Construct physical education facilities----- \$220,000

This project will provide a complement of two standard swimming pools in an area immediately adjacent to and partly surrounded by the new gymnasium which was part of the original master plan for that facility. The design follows standard practices that have been developed for swimming pools and the cost appears to be in line with the size and type of facility. *We recommend approval.*

(ff) Working drawings for conversion of science building classrooms to laboratories----- \$45,000

This continues the process of phasing nonscience activities out of the big science building and providing in their place the necessary science laboratory tables and other equipment so that ultimately the building will be entirely science oriented. *We recommend approval.*

Trustees of the California State Colleges—Continued

(gg) *Site development, phase IV*----- \$150,000

This project is principally aimed at providing the development surrounding the new physical education building which is scheduled for completion in June of 1965. Funds for the extensive site development around this building were not included in the original construction appropriation and it is essential that the surrounding area be properly developed. This will include walkways, lights, irrigation, landscaping and service roads. *We recommend approval.*

(hh) *Working drawings for cafeteria*----- \$85,600

This project contemplates the design of a cafeteria building having almost 50,000 gross square feet of area in two stories and providing snack bar dining space and regular dining room space with a seating capacity of nearly 1,200 people. The kitchen facilities will be sized for ultimate expansion of the dining room areas. The campus does not now have a regular cafeteria but only space which has been provided in the basement of the science building and some covered area in the temporary buildings compound.

We have raised a number of questions concerning the design which is estimated to have a fairly reasonable cost for the basic building at almost \$20 per square foot of gross area but a very high cost at total project level of \$34 per gross square foot. These questions have not yet been resolved. *We therefore recommend that this project be given special legislative review.*

State College at Palos Verdes

A state college in the south bay area of Los Angeles was authorized by Chapter 65, Statutes of 1960, First Extraordinary Session, and \$5 million was appropriated for the purchase of a permanent site, together with \$200,000 for master planning and initial site development, and \$150,000 for an initial complement of library books. A site has been selected on the Palos Verdes peninsula and active negotiation is underway for acquisition of the site. However, there is no way of knowing how long this acquisition process will take, although it is planned to open the college in the fall of 1965 in temporary buildings on the site, if it is acquired in time. Otherwise, it might presumably be possible to temporarily rent facilities for a fall opening. The following construction, development, drawings and equipment projects are proposed.

(ii) *Initial complement of library books, second increment* \$150,000

The purchase of initial library books is being carried out by a private contractor and the University of California on an integrated basis with the other new campuses at substantial savings to the State. *We recommend approval.*

(jj) *Equip temporary buildings*----- \$175,000

It is proposed to open this institution to students in the fall of 1965 whether temporary buildings are ready or not. If necessary, space will be rented which will require equipment later to be moved into state-owned temporary or permanent buildings. *We recommend approval.*

Trustees of the California State Colleges—Continued
 Sacramento State College

(kk) Construct outdoor physical education facilities..... \$270,000

This project involves installation of a new running track and football field together with all of the utilities and pertinent developments necessary to make the field functional. We have reviewed this project in considerable detail and find that it meets all standards and the cost is in line with its size. *We recommend approval.*

(ll) Equip outdoor physical education facilities..... \$3,500

This will provide a small portion of the equipment needed to supply this field most of which is already on hand from prior appropriations. *We recommend approval.*

(mm) Construct air conditioning for business
 administration building \$79,700

This project will provide the refrigeration equipment and space in which to house it in order to air condition this classroom building. The original ventilation design contemplated that such refrigeration equipment would be added in the future. We have raised some questions about the high cost of the building to house the equipment, which have not yet been resolved. *Consequently we recommend special review by the Legislature.*

State College at San Bernardino

The establishment of a state college at San Bernardino is authorized by Chapter 64, Statutes of 1960, First Extraordinary Session, and \$1 million was appropriated for the purchase of a site plus \$100,000 for master plan and site development, first phase, and the \$150,000 for the first increment of the initial complement of library books. A site has been selected just north of the City of San Bernardino which is now actively under negotiation and acquisition. It is planned that the college will open in the fall of 1965 in temporary buildings on the permanent site at which time it is anticipated that there will be an enrollment of 400 regular students. If the site is not acquired in time and the temporary buildings constructed in time for the scheduled opening, in all probability facilities will be rented to permit the opening on the scheduled date. The following projects are included in the proposal:

(nn) Initial complement of library books, second increment \$150,000
 (oo) Construct temporary buildings..... 880,000
 (pp) Equip temporary buildings..... 50,000
 (qq) Working drawings for science classroom buildings.... 137,500
 (rr) Construct physical education facilities—
 fieldhouse and pool..... 666,000
 (ss) Construct outdoor physical education facilities..... 200,000

We recommend, at this writing, only the approval of the second increment of the initial complement of library books since this is part of a program which was established in the prior year by which a private organization and the university together are procuring the books

Trustees of the California State Colleges—Continued

for this campus and the Palos Verdes campus on a basis which will save the State a considerable sum of money. The books, as they are acquired, will be stored until needed on the campus.

With respect to the balance of the projects, we have received no preliminary plans or even schematic plans which usually lead to preliminary plans or outline specifications on which to make any judgment. However, it is anticipated that we will be able to resolve the proposals either on an empirical basis or from actual sketches before the several committees have completed their deliberations and reviews. *We recommend special review by the Legislature.*

It should be pointed out that there are a number of significant discrepancies between the college at San Bernardino and that at Palos Verdes which have not yet been explained.

San Diego State College

(tt) *Equip business administration and mathematics building, phase II*----- \$31,200

This building was funded in the Budget Acts of 1961 and 1962 and the Budget Act of 1963 provided a first increment of equipment at \$200,000. This additional amount is needed to complete equipping the building which will house over 2,000 FTE students in an area of over 145,000 gross square feet. *We recommend approval.*

(uu) *Equip cafeteria*----- \$89,000

The so-called west cafeteria which is immediately adjacent to the humanities building was funded in the Budget Acts of 1960 and 1962 for working drawings and construction. It is anticipated that it will be ready for occupancy during the budget year. The amount proposed for equipment appears to be in line with a building of this size and type which has over 24,000 gross square feet of area and will seat over 600 students. *We recommend approval.*

(vv) *Working drawings for music-classroom building*----- \$62,000

This project proposes the design of a two-story and basement specialized building immediately to the southeast of the existing women's gymnasium which would house rehearsal and performance facilities in the musical arts. It is contemplated as having over 76,000 gross square feet of area which would cost somewhat more than \$25 per gross square foot for the basic building and almost \$33 per gross square foot at total project level. It would generate a capacity for 420 students (FTE). We have raised a number of questions concerning the design and the cost which have not yet been resolved. *Consequently, we recommend that this project be given special review.*

(ww) *Remodel life science building, phase III*----- \$284,000

This project involves the third and final phase of the remodeling of the old portion of the life science complex to which a new wing was recently added. Much of the remodeling involves heating and ventilation and pedestrian access between the various sections but part of it will provide for additional laboratories. Remodeling projects of this

Trustees of the California State Colleges—Continued

type are difficult to estimate and even difficult to describe. However, we have reviewed the project in considerable detail and we believe the cost is justified. *We recommend approval.*

(xx) *Equip life science building, phase III*----- \$30,000

This will provide for the necessary movable and expendable equipment for the laboratories generated in the project immediately preceding. *We recommend approval.*

(yy) *Construct women's physical education addition*----- \$238,600

This project will provide additional shower and locker room space immediately adjacent to and attached to the existing women's physical education building. It will have almost 7,500 gross square feet of area which will cost \$22.50 per gross square foot for the basic building and about \$30 per gross square foot for the total project, including all fees and some site development. Facilities will enable greater utilization by more women students of the existing women's physical education facilities. *We recommend approval of the project.*

(zz) *Site development*----- \$219,600

This project contemplates the blacktopping of certain existing unimproved roads and the resurfacing of other roads to improve pedestrian access and automobile access to existing parking lots. We have examined the project in considerable detail and we believe that it is a worthwhile investment to reduce traffic tieups and reduce hazards. *We recommend approval.*

San Fernando Valley State College

(aaa) *Equip engineering building, phase I*----- \$295,000

The Budget Acts of 1962 and 1963 provided about \$4,250,000 for the working drawings and construction of an engineering building on this campus. In addition the same two Budget Acts provided certain initial complements of engineering equipment which were to be used in temporary buildings and ultimately to be moved to the permanent engineering building when it would be completed.

In addition to the engineering equipment previously funded it is now proposed to fund, as a first phase, some of the heavier engineering equipment required in the permanent building which is expected to be ready for occupancy in late 1965. It is not possible to say at this time what the total complement of equipment will be but it is certain that there will be additional phases in the future since an engineering building probably requires a greater total cost of equipment in relation to the cost of construction than any other building on a college campus. While we have not examined the list in detail *we would recommend approval subject to future review.*

(bbb) *Equip administration-education building*----- \$200,000

The Budget Acts of 1961 and 1962 provided over \$3,600,000 for the working drawings and construction of a combination administration and classroom building having an area of about 150,000 gross square

Trustees of the California State Colleges—Continued

feet. It is now proposed to provide the additional equipment required for the building upon its completion late in 1964. While we have not reviewed the equipment list in detail it appears to be reasonable in amount for the size of the building. *We recommend approval subject to future review.*

(ccc) *Equip classroom building No. 1, phase II*----- \$396,000

The Budget Act of 1961 provided over \$7 million for the construction of classroom building No. 1 which is now complete. The Budget Act of 1963 provided \$434,000 for an initial complement of equipment for the building designated as phase I. It is now proposed to provide a final phase which appears to be about right on the basis of 10 percent of the cost of the construction of the building. While we have not reviewed the equipment list in detail *we would recommend approval subject to future review.*

(ddd) *Equip fine arts building—third increment*----- \$48,500

The fine arts building was one of the first buildings constructed on this campus and has been in use for some years. However, initially it included activities other than fine arts in order to use up the excess space. As these activities are phased out and fine arts phased in, additional equipment is required. *We recommend approval.*

(eee) *Site acquisition* ----- \$2,000,000

The Budget Act of 1961 provided \$1,300,000 for the acquisition of 55 acres immediately adjacent to the campus which would provide for much needed surface parking space. It was contemplated at that time that with the cost of the land and the relatively inexpensive development for surface parking that the per car space would probably be not more than \$300 to \$350. However, since that time the land values have risen very sharply so that the available funds could purchase only 35 acres and the remaining 20 acres is now valued at \$2 million. Even at this high cost, because of the relatively easy development situation, the cost per car space would still be significantly lower than the \$1,300 to \$1,400 per car that would be required for a multilevel parking structure. Consequently, *we can see no way but to recommend approval of the purchase of the balance of the land* in order to provide the necessary parking for an ultimate planned enrollment of 20,000 FTE. The land values are continuing to rise at a rapid rate and if it is not purchased within the next year or so the cost will be substantially greater.

(fff) *Additional boiler* ----- \$99,000

This project will provide an additional 32,000 pound per hour steam generating boiler to increase the steam capacity of the plant, required to meet the demands of the new buildings as they are finished. The original boiler plant was designed to have the additional boiler added. The cost is in line for this type of equipment. *We recommend approval.*

Trustees of the California State Colleges—Continued

(ggg) Construct outdoor physical education facility----- \$250,000

This project will provide a fenced running track and included field events area which heretofore has not been available on this campus. The infield area will also be used as a football field. We have raised some questions about the design of the track and some features which we consider excessively costly. These questions have not as yet been resolved. *Consequently we recommend special review by the Legislature.*

(hhh) Equip library building—third increment----- \$107,000

The library building was one of the very first buildings on this campus and was in fact a complete reproduction of the design developed for the Los Angeles State College campus. Initially much of the space was occupied by nonlibrary activities such as the administration offices and some classrooms. The administrative offices have now been phased out and it is proposed to convert all of the space to library use requiring additional library equipment. *We recommend approval.*

San Francisco State College

(iii) Equip classroom building No. 3 addition----- \$125,000

The Budget Acts of 1962 and 1963 provided over \$1,220,000 for working drawings and construction of a classroom addition to building No. 3 which would have a gross area of over 61,000 square feet. It is now proposed to fund the equipment necessary to make operable this addition which will be completed late in 1964. While we have not examined the list in detail, it appears to be reasonable in amount and *we recommend approval subject to future review.*

(jjj) Equip multipurpose classroom----- \$48,000

The Budget Act of 1963 provided \$200,000 for the construction of a facility then designated as a "music facility" which was basically a recital hall. This is now being designated as a multipurpose classroom. The amount being proposed to equip it appears to be excessive since it represents over 25 percent of the cost of constructing the facility which seems to be too high for this purpose. *We have not yet reviewed the equipment list and consequently we recommend special review by the Legislature.*

(kkk) Equip music-speech building addition----- \$950,000

The Budget Act of 1961 and 1962 provided almost \$1,900,000 for working drawings and construction of an addition to the music-speech building. This was subsequently augmented so that the total was over \$2,150,000. The building is projected to be completed late in 1965 and it is now proposed to fund the equipment for it. The list appears to represent over 40 percent of the cost of constructing the building which seems excessive for the purpose. *We have not yet reviewed it and consequently we can make no recommendation at this time.*

(lll) Remodel physical education fields----- \$183,000

This project proposes the complete demolition and replacement of the existing running track, field event areas and the included football

Trustees of the California State Colleges—Continued

field to bring them up to current standards. The present facilities are in rather rundown condition and require extensive repair. We have raised several questions concerning the design of the replacement facilities which have not yet been resolved, *consequently, we recommend special review by the Legislature.*

San Jose State College

(mmm) Equip classroom building No. 1..... \$100,000

The Budget Acts of 1960 and 1962 provided over \$2,500,000 for working drawings and construction of a multistory classroom building which would house, among other departments, the police-military science activities. It is estimated that the building will probably be ready for occupancy late in 1965. The amount proposed for equipment appears to be relatively small even for a building which is primarily classrooms and we would suspect that this may very well represent only a first increment. *While we have not reviewed the list, we would recommend approval subject to future review.*

(nnn) Construct science building No. 2..... \$5,452,800

The Budget Act of 1961 provided \$500,000 for the preparation of working drawings for a building designated as science building No. 2. It was contemplated at that time as having over 300,000 gross square feet of area. It has now evolved into an H-shaped structure having six stories, basement and penthouse and designed to be phased so that initially there will be constructed one leg and the crossbar of the letter H with the other leg to be constructed in the future. The first phase will have approximately 190,000 gross square feet of area. Construction will be of reinforced concrete, and the cost is estimated at \$25.10 per gross square foot for the basic building and \$30.20 per gross square foot at total project level. The ultimate movable and expendable equipment will probably be about \$1,500,000 which will be requested in future budgets. The capacity of the first phase is estimated at about 437 students (FTE.)

We have raised a number of questions about the design of the building and some of its features which we believe to be excessively costly for the purpose. These have not yet been satisfactorily explained. *Consequently, we recommend special review by the Legislature.*

(ooo) Site acquisition \$1,325,000

This project contemplates the acquisition of about 1½ blocks of land immediately adjacent to the campus. These blocks average about 3.2 acres and their cost is now running about \$1 million per block. The ultimate master plan calls for the acquisition of five or six additional blocks. Land values are still rising quite rapidly in this area and if this campus is to handle the demand which is anticipated, additional land area will have to be acquired. *We recommend approval of the acquisition.*

(ppp) Construct outdoor physical education facility..... \$195,400

This project contemplates the construction of a new running track and field sports area on the south campus. The project will need to be

Trustees of the California State Colleges—Continued

entirely fenced to protect it from unauthorized use. The in-field portion of the track will provide for such sports as broad jump, high jump, etc. In addition, there will be a small building to house outdoor equipment. The project seems to be in line and the cost is reasonable for the purpose. *We recommend approval.*

(qqq) Construct air conditioning—library----- \$182,500

The existing library was designed so that its heating and ventilating system could be used for air conditioning by the simple addition of the refrigerating equipment and the necessary piping and cooling coils. This project proposes to add these at this time. The cost appears to be reasonable for the purpose and for the size of the project. *We recommend approval.*

Sonoma State College

(rrr) Equip boiler plant----- \$276,000

This project is actually misnamed, since it should be designated as the second phase of the boiler plant construction. This campus is to have a central boiler plant which will distribute both high temperature water for heating and chilled water for air conditioning, to all the surrounding buildings. The Budget Act of 1963 provided funds for constructing the boiler plant, including the heating equipment, but deferred the chilling equipment on the premise that the timing was such that it could be funded in a later budget. This project, therefore, represents the installation of the chilling equipment rather than movable and expendable furnishings which are usually referred to under the term "equipment." *We recommend approval of the project.*

(sss) Initial complement of equipment, phase 3----- \$107,000

This campus commenced operating in temporary rented facilities and as the program expanded additional equipment was required each year to make the rented facilities fully operable. This represents a final phase of equipping the temporary buildings. Ultimately all this equipment will move to the permanent buildings. While we have not examined the equipment list in detail, the amount appears reasonable and *we recommend approval subject to future review.*

(ttt) Construct music classroom building----- \$1,296,500

The Budget Act of 1963 provided \$62,000 for working drawings for the design of a music classroom building having something over 45,000 gross square feet of area which was to have a capacity of about 300 FTE students in the specialized spaces required for the music arts. The design which resulted has thus far proven to be substantially more costly than music buildings that have been constructed on other campuses in recent years and we have raised certain objections to features and costs of the building. As of this writing they have not yet been resolved. *Consequently, we recommend special review by the Legislature.*

Trustees of the California State Colleges—Continued

(*uuu*) Construct cafeteria ----- \$850,000

The Budget Act of 1963 provided \$35,000 for working drawings and design of a campus cafeteria building which at that time was contemplated as having approximately 49,000 gross square feet of area and costing \$21 per gross square foot for the basic building and something over \$30 per gross square foot at total project level.

The design that has now evolved contemplates 21,700 gross square feet of area in a one-story building which is estimated to cost over \$25 per gross square foot for the basic building and over \$41.45 at total project level exclusive of movable furnishings such as tables and chairs. We have raised a number of questions concerning both the excessive cost and a number of design features which we believe led to this cost that have not as yet been satisfactorily resolved. *Consequently, we recommend special review by the Legislature.*

(*vuv*) Construct outdoor physical education
facility, phase II ----- \$322,500

The Budget Act of 1962 provided funds for the first phase of outdoor physical education development which included general-use turfing areas, tennis and multipurpose courts. The second phase proposes the construction of a running track with a football field in the included area together with additional turfing areas for general field sports. We have not yet received the preliminary plans and specifications for this project and *consequently we can make no recommendation at this time.*

(*www*) Site development, phase III ----- \$1,755,600

This phase of the general site development of the campus is to provide roads, walks, utilities, lighting and other related items to serve specifically the already funded fieldhouse, classroom building No. 1, science building No. 1, boiler plant and the proposed construction of the music classroom building and cafeteria. In addition it will provide certain generalized features such as a large water pond system for water storage, particularly for irrigation purposes. We have raised a number of questions concerning the design of this project and its cost which have not as yet been resolved. *Consequently, we recommend special review by the Legislature.*

Stanislaus State College

(*xxx*) Equip classroom building No. 1, phase II ----- \$235,000

The Budget Act of 1963 provided \$100,000 for the first phase of equipping classroom building No. 1 which initially will be a multipurpose building in that it will house science and art laboratories and activity rooms as well as general lecture room and administrative offices. The second phase is anticipated to be the final one insofar as the multiple-use purpose of the building is concerned. Ultimately as certain disciplines are phased out of the building, additional equipment will be required to accommodate the programs phased into the released space. While we have not examined the equipment list in detail, it appears reasonable and *consequently, we recommend approval subject to future review.*

Trustees of the California State Colleges—Continued

(yyy) Equip library building, phase II----- \$135,000

The Budget Act of 1963 provided \$50,000 for the first phase of equipping the library building which for some years will function as a multiuse building in that it will accommodate business and student health functions, a temporary snack bar and faculty office stations in addition to regular library purposes. The second phase is to complete the needs of the multiple uses. Ultimately as these extraneous uses are phased out of the building additional equipment will be required for library purposes. While we have not examined these equipment lists in detail it appears reasonable and *we recommend approval subject to future review.*

(zzz) Working drawings for physical education facility---- \$76,100

This project contemplates the design of a general gymnasium building having over 93,000 gross square feet of area which is presently estimated to cost more than \$2,250,000 to construct. We have reviewed the first preliminaries which we have found relatively unsatisfactory with an inefficient spreadout design which, while it tends to reduce the calculated cost per square foot, actually results in a total cost higher than is needed for the purpose. We have raised a number of objections which have not yet been resolved. *Consequently we recommend special review by the legislature.*

Cal-Poly, San Luis Obispo Campus

(aaaa) Equip administration building----- \$100,000

The Budget Act of 1960 provided \$1,544,000 for the design and construction of a central administration building for this campus which would free space in a classroom building long occupied for administrative purposes. It was anticipated to have about 57,000 gross square feet of area. Subsequently, because of delays in design and controversies about certain features the final design required an augmentation of \$72,000.

It is now anticipated that the building will be ready by January of 1965 and it is proposed to finance the additional equipment that will be required for the building. While we have not examined the equipment list in detail it appears to be a reasonable amount and *we would recommend approval subject to future review.*

(bbbb) Construct biological science addition----- \$1,600,000

The Budget Act of 1963 provided \$67,500 for design and working drawings of a laboratory building having a gross area of over 48,000 square feet contained in a two-story steel and concrete building which is actually not connected to any other building although it is termed an addition. It will provide eight laboratories and six large lecture rooms with a total student capacity of about 547 FTE. The five-year plan for this campus indicated that the building would be considerably less costly at \$1,218,000 and would have six laboratories and six lecture rooms in a gross area of 36,000 square feet. Present estimates indicate a cost of \$26.52 per gross square foot for the basic building including

Trustees of the California State Colleges—Continued

installed laboratory fixtures and over \$34.70 per gross square foot at total project level. The cost appears to be in line for this type of building, however, it contains certain features about which questions have been raised but not yet resolved. Consequently, *we recommend special review by the Legislature.*

(cccc) Construct physical education facilities----- \$300,400

This project proposes the construction of a single swimming pool of standard size, 75 feet 1 inch long by 45 feet wide, with turfed adjacent space for a future second pool, together with shower and locker room facilities for women.

The normal complement for college campuses is two swimming pools each about the same surface size but one deep for diving and other sports the other shallow for swimming. This campus already has a women's swimming pool in an enclosed natatorium which leads to this proposal which put the new pool adjacent to the men's gymnasium which contains no shower and locker room facilities for the women and thereby makes necessary the provision of the extra shower and locker room facilities in addition to those that already exist at the women's pool. We question the approach used in this project and the high cost that results from it. We recommend the construction of the single pool only without the additional shower and locker facilities so that it may be used by the men who have the necessary facilities in the adjacent gymnasium and that the women continue to use the pool they now have. This approach would require a new estimate which is not available as of this writing. Consequently, *we recommend special review by the Legislature.*

(dddd) Equip physical education facility----- \$12,000

This proposal is involved in the construction of the swimming pool above and would be adjusted accordingly, depending upon the decision made by the Legislature. *Therefore, we make no recommendation at this time.*

(eeee) Remodel old administration building, phase II---- \$150,000

This is the second and probably final phase of the remodeling of the building that was used for administration purposes but is now being converted to classroom uses with administration ultimately to go in its own new building. This will provide classrooms with 68 additional student stations along with an audiovisual laboratory and offices. Certain general renovations and improvements will be included. *We recommend approval.*

(ffff) Remodel engineering east----- \$97,700

This project proposes the conversion of four drafting rooms and one laboratory to electrical and electronics laboratories and the conversion of one small classroom to a suite of three offices and a lobby, and includes fixed laboratory equipment. We have received the project in detail and *recommend approval.*

Trustees of the California State Colleges—Continued

(gggg) *Equip and Remodeling Engineering East*----- \$200,000

This will provide the complex and extensive movable electronic and electrical devices need in engineering instruction. *We recommend approval.*

(hhhh) *Construct agriculture units*----- \$112,000

This project proposes the construction of a steel frame, metal covered building with concrete floor and metal pipe fencing as a beef breeding unit. It would have a gross area of 6,510 square feet with a basic building cost of \$7.54 per gross square foot and a total project cost, including extensive fencing, of \$14.50 per gross square foot. *We recommend approval.*

(iii) *Site development*----- \$274,600

This project proposes an extensive series of development item including extension underground steam distribution system to the five-mountain dormitories which now have individual heating facilities, a new steam boiler in the central plant to increase the capacity by 20,000 pounds per hour, portions of the secondary distribution system of the whale rock irrigation project, and roadwork, electrical repairs and steam system repairs. We have examined the project in detail and we believe that it is justified and the costs are in line. *We recommend approval.*

Cal-Poly, Kellogg-Voorhis Campus

(jjjj) *Equip engineering addition, phase II*----- \$720,000

The Budget Acts of 1961 and 1962 provided \$5,330,000 for working drawings and construction of a four-story addition to the engineering building with over 174,000 gross square feet of area. The Budget Act of 1963 provided \$400,000 for a first increment of equipment. With the present proposal this would total \$1,120,000 or slightly over 20 percent of the cost of constructing the building. This is still relatively low for equipping an engineering building and it is possible there may be other requests later. While we have not examined the list in detail the amount appears to be reasonable for the purpose and *we recommend approval subject to future review.*

(kkkk) *Equip biological science laboratory*----- \$65,000

The three laboratories in the science building which were formerly occupied by the agriculture division have now been vacated and since they had not been equipped for biology it is now proposed to provide the necessary equipment. The amount appears reasonable for the purpose and *we recommend approval subject to future review.*

(III) *Construct physical education facilities*----- \$2,781,360

This project involving a structure of about 100,000 gross square feet in area to be used as a men's gymnasium, with the existing gymnasium to be converted for women's use exclusively, was previously proposed in the Budget of 1963. At that time we recommended against approval because we felt that the student load on the campus did not justify a

Trustees of the California State Colleges—Continued

second gymnasium since there would also be available swimming pools which had been approved.

The enrollment projections provided at the 1963 Session indicated 3,540 for the 1963-64 year, 4,100 for the 1964-65 year, 4,700 for the 1965-66 year and 5,300 for the 1966-67 year. The current enrollment projections for the same years are very considerably increased. For the 1964-65 year it is now 4,520, for 1965-66 it is now 5,370, for 1966-67 it is now 6,240. The latter figure is 940 greater than the prior projection. On this basis we believe that there is now greater justification for providing a second gymnasium. The basic design is not changed although the estimated cost has gone up somewhat. Where the basic building was previously estimated to cost \$21.02 per gross square foot it is now estimated at \$21.99 per gross square foot and where the total project cost was estimated at \$28.16 per gross square foot it is now \$29.15. This represents an increase of slightly over 3 percent which is about equivalent to the construction cost index rise for the one-year period. At this time *we would recommend approval of the project.*

(mmmm) *Site development*----- \$77,000

This project represents a continuation of developing areas both for general and for agricultural use.

Involved is the clearing of a 150-acre grove of walnut trees, the rebuilding and repair of certain roads, and the redevelopment of a water well which needs to be deepened and otherwise improved. *We recommend approval.*

(nnnn) *Construct air conditioning—business
classroom building*----- \$50,100

This project involves the installation of a 100-ton refrigeration compressor and a cooling tower on the roof and their connection to the cooling coils in the existing ventilation system which was designed for future air conditioning. The cost is in line with the scope of the project and *we recommend approval.*

(oooo) *Construct air conditioning science building*----- \$290,000

This project involves the installation of 200 tons of refrigeration together with a cooling tower in a science building having about 70,000 gross square feet of area. However, it differs radically from the preceding project in that a substantial amount of revamping of the ventilator equipment is involved which raises the cost considerably. We have examined the project in detail and *we recommend approval.*

TRUSTEES OF THE CALIFORNIA STATE COLLEGES

ITEM 354 of the Budget Bill

Budget page 876

FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT,
TRUSTEES OF THE CALIFORNIA STATE COLLEGES, UPON
THE EXECUTIVE ORDER OF THE DEPARTMENT OF FINANCE,
FROM THE STATE CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted	\$4,016,100
Recommended for approval	None
Recommended for special review by the Legislature	4,016,100

ANALYSIS

This item covers a group of 10 projects at 6 state college campuses which, in essence, the Department of Finance believes are justifiable but for which the programs, or scope, or architectural and engineering design and cost estimates are so unsatisfactory that it was felt desirable to segregate them in a special item under the direct control of the Director of the Department of Finance. We submit that this is not good budget procedure in which the Legislature is being asked, in effect, for a blank check to the extent of \$4,016,000, which will then be filled in at the discretion of an administrative agency. We suggest that serious consideration should be given to deferral of these projects, for inclusion in the 1965 budget by which time the problems should have been resolved and the Legislature can be presented with clear-cut proposals backed by adequate data and estimates.

Humboldt State College

The following is the schedule of proposed projects for this special category :

(a) *Working drawings art—music building addition..... \$77,200*

This project has thus far been presented as a design for two separate and distinct two-story buildings connected with each other and with the existing art building by a covered corridor. The design is wasteful of limited and valuable space on this campus and has a number of other costly features to which we have raised objection.

We recommend special review by the Legislature.

State College at Hayward

(b) *Working drawings for classroom building No. 1..... \$165,000*

This project proposes the design of a general classroom building to house approximately 2,000 FTE students with an ultimate project cost in excess of \$3,400,000. As of this writing, there have been provided no preliminary plans or outline specifications upon which to make any judgment at all. Consequently, *we recommend that this project receive special review by the Legislature.*

(c) *Working drawings for site development, phase V..... \$10,000*

In this case also we have not received any preliminary plans or outline specifications for a project which proposes extensive interior site development involving roads, walks, utilities and lighting.

We recommend special review by the Legislature.

Trustees of the California State Colleges—Continued

Los Angeles State College of Applied Arts and Sciences

(d) Working drawings for library addition..... \$170,000

This project proposes the design of a library building addition to the existing structure which would bring the total area capacity to that necessary for the master plan enrollment figure of 16,800 FTE, which is expected to be reached in 1970-71.

The addition would have over 288,000 gross square feet of area and would probably be a five-story reinforced concrete structure with some brickwork to match the existing building. It would be fully air conditioned, and, as part of the project, it is proposed to air condition the existing building. The ultimate cost of this project would probably be on the order of \$7.5 million.

We have received no preliminary plans or outline specifications upon which to make any evaluation. Consequently, we recommend that this project receive special legislative review.

State College at Palos Verdes

(e) Site development—phase I..... \$1,300,000

(f) Construct temporary buildings..... 818,900

(g) Working drawings for science building..... 88,000

(h) Working drawings for library-classroom-administration building 147,000

We have received no preliminary plans or specifications for this extensive and costly series of projects, on which to make any evaluation. It should be pointed out that the site for this college has not yet been acquired and difficulties may be encountered because the available funds may prove inadequate to buy the minimum size campus desired. We recommend that these projects receive special review by the Legislature.

State College at San Bernardino

(i) Site development—phase I..... \$1,000,000

The site for the new State College at San Bernardino is presently under active negotiation and acquisition by the State Office of Property Acquisition. Nevertheless, it has not yet been acquired and there may be some problems with commitments by the City of San Bernardino and the county. In any case, we have received no preliminary plans or specifications or even a program to cover a fairly extensive site development project. Consequently, we can make no evaluation. We recommend special review by the Legislature.

San Francisco State College

(j) Working drawings for life science building..... \$240,000

This project which contemplates the construction of 130,000 gross square feet of area, probably costing over \$4 million, is still on an uncertain basis from the standpoint of whether it should be a single building at one location or several buildings. We have received no preliminary plans or outline specifications on which to make an evaluation. Consequently, we recommend special review by the Legislature.

Department of Mental Hygiene
LANGLEY PORTER NEUROPSYCHIATRIC INSTITUTE

ITEM 355 of the Budget Bill

Budget page 926

FOR SITE ACQUISITION, LANGLEY PORTER
NEUROPSYCHIATRIC INSTITUTE, FROM THE
STATE CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted ----- \$900,000
Recommended for approval ----- No change

ANALYSIS

Items 380 and 395 of the 1962-63 and 1963-64 Budget Acts, respectively, appropriated \$250,000 increments for site acquisition for a new Langley Porter Institute, The \$900,000 proposed in this budget is expected to be the remaining amount required to purchase the site. The total of the three increments is \$1,400,000.

The new site will enable the institute to make use of some of the university facilities and the construction of the new institute is the most satisfactory solution to the expanding needs of both the institute and the university.

We recommend approval of the item.

Department of Mental Hygiene
ATASCADERO STATE HOSPITAL

ITEM 356 of the Budget Bill

Budget page 930

FOR MAJOR CONSTRUCTION, IMPROVEMENT AND EQUIPMENT,
ATASCADERO STATE HOSPITAL FROM THE
STATE CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted ----- \$1,221,715
Recommended for approval ----- 216,900
Recommended for special review ----- 1,004,815

ANALYSIS

- a. Construct addition to visiting area ----- \$210,400
- b. Equip addition to visiting area ----- 6,500

Atascadero State Hospital is the only hospital in the State housing the criminally insane and in an effort to avert necessity of constructing additional beds for this purpose, the department proposes an enriched program that may enable more rapid turnover. The three projects proposed by this item are all related to that program enrichment. The addition to the visiting area is needed as it has been necessary to turn visitors away because of the limited amount of visiting area now available. This project will add approximately 5,200 square feet of visiting space to the 1,000 square feet in the existing visiting area. The construction involved is not elaborate but access to the construction site is very difficult and therefore the building cost of \$23.80 per square foot is relatively high.

We recommend approval.

Atascadero State Hospital—Continued

c. Construct treatment area-----	\$430,205
d. Equip treatment area-----	18,500

This structure includes a number of occupational therapy rooms, staff and patient library, and staff offices as required to implement the enriched program referred to in the paragraph above. We have received the budget drawings and specifications but there are certain unresolved items that require a recommendation for special review by the Legislature.

e. Construct rehabilitation therapy unit-----	\$556,110
---	-----------

This facility will house the creative arts activities and the staff required to manage them. The proposal represents the first phase and will be followed by the conversion of the old rehabilitation therapy area into an additional dining room. Food is now served on a three-shift basis which limits, to a severe degree, the time available for rehabilitation therapy programs. A clear definition of the program has not been established so we cannot make a recommendation at this time. We expect all items to be fully resolved prior to the commencement of budget hearings. *We recommend special review.*

**Department of Mental Hygiene
CAMARILLO STATE HOSPITAL**

ITEM 357 of the Budget Bill

Budget page 931

**FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT,
CAMARILLO STATE HOSPITAL FROM THE STATE
CONSTRUCTION PROGRAM FUND**

RECOMMENDATIONS

Amount budgeted-----	\$339,800
Recommended for approval-----	No change

ANALYSIS

Three areas of the receiving and treatment unit at Camarillo State Hospital that were formerly used as a shock therapy suite, a hydrotherapy suite, and as a ward for patients about to be discharged from the hospital will be renovated to provide a new central supply unit, various laboratories, and a clinic. Completion of the project will enable the hospital to provide better medical care and will make efficient use of space that has had limited use in recent years.

We recommend approval.

Department of Mental Hygiene
MENDOCINO STATE HOSPITAL

ITEM 358 of the Budget Bill

Budget page 934

FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT
OF MENDOCINO STATE HOSPITAL FROM THE
STATE CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted -----	\$274,600
Recommended for approval -----	32,000

TOTAL RECOMMENDED REDUCTION ----- \$242,600

ANALYSIS

a. *Air condition wards 1, 2, 3, and 4* ----- \$242,600

We recommended against air conditioning this type of facility for the past two years because it was our opinion that the Department of Finance had not established definitive guide lines in which to make a priority decision regarding air conditioning projects. Air conditioning project proposals were always an exception to the rule. The Department of Finance now advocates provision of air conditioning in most new facilities to be constructed in areas where the climatic conditions justify the need. While we do not question this policy, the Department of Finance has not provided guidelines which may be used as a reference to establish a priority for air conditioning in existing structures that would have been air conditioned if constructed under the new policy.

Should a priority list be established, the proposed project would not qualify for three reasons:

1. The receiving and treatment units that house the most acutely ill patients in a mental hospital should be the first to be air conditioned. This has been recognized by the fact that 6 of 10 receiving and treatment units in areas that would qualify for air conditioning are air conditioned. There are four that remain to be air conditioned; those at Metropolitan, Napa, Agnews, and Sonoma.

2. In the past the Department of Finance has been authorizing the construction of buildings with provision for future air conditioning, and this provision makes installation of air conditioning more economical than if the provision had not been made. It is therefore logical to provide air conditioning in those structures that have had provision for future air conditioning in preference to those that have not.

Of the four receiving and treatment units mentioned above, the Agnews and Metropolitan facilities contain provisions for future air conditioning.

3. It has been the practice for many years to remodel certain mental hygiene ward buildings as required and as funds are available. Despite the declining population in the hospitals for mentally ill, it is anticipated that this practice will continue. The Department of Mental Hygiene should conduct a survey of all ward buildings to determine those that require remodeling and those that should be phased out as population declines. Wards 1, 2, 3, and 4 are well constructed and

Mendocino State Hospital—Continued

may be among those that would be remodeled some time in the future. It would be necessary to remodel these wards immediately in order to eliminate deficiencies that exist with respect to the current Department of Mental Hygiene requirements. For example, the day room is too small, the dormitories are too large, the lighting is not adequate, the electrical wiring should be replaced, the treatment rooms are misplaced. Wiring and new lighting was provided in one of the four wards in the 1962-63 minor construction budget and additional wiring and treatment room provisions are requested in the 1964-65 minor capital outlay budget. The economic feasibility of remodeling these structures can be weighed more objectively if they are proposed as a single project rather than piecemeal in several major and minor capital outlay budgets. Patient service suffers fewer disruptions when construction work is limited to one time period.

It is suggested, therefore, that the possibility of air conditioning these wards be considered if and when it may be determined to improve the other essential elements so that they conform to the present mental hygiene treatment standards. Incidentally this proposal costs \$540 per bed.

We recommend disapproval of this item.

b. Equipment, remodel, and modernize wards 7 and F, phase 3 ----- \$32,000

We have not been provided a copy of the equipment list proposed to be financed by this item, but the total amount appears to be reasonable. *We recommend approval.*

Department of Mental Hygiene
METROPOLITAN STATE HOSPITAL

ITEM 359 of the Budget Bill

Budget page 935

FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT
METROPOLITAN STATE HOSPITAL, FROM THE
STATE CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted -----	\$425,200
Recommended for approval -----	79,100
Recommended for special review -----	346,100

ANALYSIS

a. Remodel and modernize wards 205-207 ----- \$340,100
b. Equip, remodel and modernize wards 205-207 ----- 6,000

Our review of the budget drawings and estimates for this project reveal that its cost is estimated to be approximately two-thirds the estimated cost of a new facility provided for the same purpose. There are, in addition, certain inadequate facilities that would be provided should a new building be constructed in lieu of remodeling the existing one. We have not had an opportunity to resolve our questions with the

Metropolitan State Hospital—Continued

agency and the Department of Finance, and *therefore recommend special review by the Legislature.*

c. Air condition receiving and treatment building ----- \$79,100

This proposal was referred to in our recommendation relative to the proposed air conditioning of wards 1, 2, 3, and 4 at Mendocino State Hospital. The possible provision of air conditioning at a future date was envisioned when this structure was constructed and necessary provisions were made. The cost is considerably less than would otherwise have been expected. The \$79,100 estimate broken down to a cost per bed is \$163 and can be compared to the \$540 per-bed cost in the proposed Mendocino project.

We recommend approval.

**Department of Mental Hygiene
NAPA STATE HOSPITAL**

ITEM 360 of the Budget Bill

Budget page 938

**FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT,
NAPA STATE HOSPITAL FROM THE
STATE CONSTRUCTION PROGRAM FUND**

RECOMMENDATIONS

Amount budgeted -----	\$617,650
Recommended for approval -----	114,500
Recommended for special review -----	\$503,150

ANALYSIS

- a. Remodel and modernize S unit, phase 1 ----- \$483,150*
- b. Equip, remodel and modernize S unit, phase 1 ----- 20,000*

The proposed project involves remodeling wards, constructed in 1939 as a WPA project, that have a rated capacity of 837 patients. The mechanical and electrical services need repair and the functional arrangement of space needs improvement. The budget drawings, specifications, and estimates are not complete, and therefore we have not had an opportunity to review them.

We recommend special review by the Legislature.

- c. Remodel serving area south ward group, phase 3 ----- \$108,500*
- d. Equip, remodel serving areas south ward group,
phase 3 ----- 6,000*

There are 4 kitchens serving 2,200 patients in the south ward group area. Appropriations in the 1960 and 1961 Budget Acts provided for the conversion of three of the kitchens to cafeteria service. It is proposed that the fourth kitchen be converted in this final phase.

We recommend approval.

Department of Mental Hygiene
STOCKTON STATE HOSPITAL

ITEM 361 of the Budget Bill

Budget page 941

FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT,
STOCKTON STATE HOSPITAL, FROM THE
STATE CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted	\$1,387,200
Recommended for approval	None
Recommended for special review	1,387,200

ANALYSIS

The Department of Mental Hygiene proposed that the existing food service unit in the south area be remodeled or replaced. The survey of existing facilities revealed that an attempt to remodel would be impractical.

The proposed replacement is a steel frame and concrete structure containing 30,100 gross square feet. Food preparation, storage, refrigeration, cart storage and personnel locker space are included. The \$1,387,200 estimate is based upon a cost per gross square foot of \$27 at building level and \$46 at project level.

We have not had an opportunity to review this project with the appropriate agencies, but the cost and area appear to be greater than necessary.

We recommend special review by the Legislature.

Department of Mental Hygiene
FAIRVIEW STATE HOSPITAL

ITEM 362 of the Budget Bill

Budget page 943

FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT,
FAIRVIEW STATE HOSPITAL, FROM THE
STATE CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted	\$334,200
Recommended for approval	No change

ANALYSIS

Although these wards are only approximately 10 years old, the proposed remodeling project is definitely necessary. A major portion of the cost is required to provide mechanical air ventilation in lieu of attempting to rely on natural ventilation. It has been found necessary to apply a smooth plaster finish to the porous concrete block walls and to remove security type screens from the inside of windows. Other requirements include enlarging the soiled linen room, provision of shelving and bins in the clothes rooms, and installation of plexiglass in recreation areas in lieu of window glass. The total cost of the project represents approximately \$1,190 per patient.

We recommend approval.

Department of Mental Hygiene
PACIFIC STATE HOSPITAL

Item 363 of the Budget Bill

Budget page 945

FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT,
PACIFIC STATE HOSPITAL, FROM THE
STATE CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted ----- \$241,800
Recommended for approval ----- No change

ANALYSIS

a. *Modernize laundry* ----- \$145,000

This project is proposed to fulfill two purposes. The first involves replacing equipment that is worn beyond economical operation. The second involves the installation of pressing and drying equipment to provide a balanced capacity for the entire laundry. *We recommend approval.*

b. *Additional water supply* ----- \$96,800

The principal source of water for the hospital is provided by the Irrigation Company of Pomona. Because of the uncertainty of this company's future, the Department of Water Resources was requested to make a study to determine the best method of insuring the required water supply. Its recommendation requires drilling an additional well and tying in with the City of Pomona water system. This project provides funds to fulfill the recommendation. *We recommend approval.*

Department of Mental Hygiene
PORTERVILLE STATE HOSPITAL

ITEM 364 of the Budget Bill

Budget page 946

FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT,
PORTERVILLE STATE HOSPITAL, FROM THE
STATE CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted ----- \$108,300
Recommended for approval ----- No change

ANALYSIS

The major portion of the cost involved to modernize the laundry is caused by the need to replace washers that were purchased in 1953 from a firm that does not provide replacement parts locally. Repeated breakdowns and the need to manufacture necessary parts are difficult to tolerate in a hospital with a constant demand. A conditioning and drying tumbler will replace the existing drying tumbler and a new automatic pants press unit will be purchased.

We recommend approval.

DEPARTMENT OF PUBLIC HEALTH

ITEM 365 of the Budget Bill

Budget page 950

**FOR LAND ACQUISITION AND MAJOR CONSTRUCTION,
DEPARTMENT OF PUBLIC HEALTH, FROM THE
STATE CONSTRUCTION PROGRAM FUND**

RECOMMENDATIONS

Amount budgeted -----	\$1,200,000
Recommended for approval -----	None

TOTAL RECOMMENDED REDUCTION ----- \$1,200,000

ANALYSIS

This item proposes the acquisition of land and the construction there-
of of a Department of Public Health Laboratory in the Los Angeles
area. The Department of Public Health is presently occupying leased
laboratory facilities in Los Angeles. The proposal contemplates a build-
ing of 15,000 square feet at a cost of \$60 per square foot and \$300,000
for the acquisition of a site. The building would be entirely a one-story
structure indicating the need for about one acre of land including
parking space.

We suggest that space for additional laboratories can be made avail-
able in the existing Berkeley building by the removal of all adminis-
trative functions to Sacramento which has already been proposed and
at one time was presumably agreed to, in principle. We would point
out also that it is fairly common practice to ship all kinds of laboratory
specimens by airmail or air express all over the country and that such
shipment does not appear to have any detrimental effect on the labora-
tory results. We also suggest that the city and county of Los Angeles
already have established modern up-to-date public health laboratory
facilities which might, under a contract arrangement, supply the neces-
sary service to the state department. In view of the foregoing *we*
recommend disapproval of this item.

**Department of Conservation
DIVISION OF FORESTRY**

ITEM 366 of the Budget Bill

Budget page 1025

**FOR MAJOR ACQUISITION, CONSTRUCTION, IMPROVEMENT
AND EQUIPMENT, DIVISION OF FORESTRY FROM
THE STATE CONSTRUCTION PROGRAM FUND**

RECOMMENDATIONS

Amount budgeted -----	\$4,344,232
Recommended for approval -----	25,000
Recommended for special review -----	3,379,744

TOTAL RECOMMENDED REDUCTION ----- \$939,488

ANALYSIS

This item is comprised of three major land acquisition projects for
future development and 14 major construction and equipment projects
as follows:

Division of Forestry—Continued

(a) *Land acquisition for two forestry conservation camps— \$75,000*

This represents the continuation of the established policy of providing for the generation of two new conservation camps, 80-man capacity, each year. Each budget contains three steps; the first being acquisition of land, the second being the first phase of construction and third being the final phase of construction so that, in effect, each year two new camps are completed and ready for occupancy.

The problem of finding suitable camp sites is becoming increasingly difficult. The last two purchases involved sites which were inherently expensive to develop because of the steep terrain and isolated location. Land cost as well as the cost of construction are rising sharply and we believe that the policy should be reviewed both from the standpoint of the higher cost per inmate and whether it is practical, in fact, to find so many inmates of sufficiently low security risk classification to be transferred to these camps. We believe we are approaching the point where the classifications are becoming unrealistic and particularly in view of the increasing cost the entire problem should be reviewed. Consequently, *we recommend disapproval of this proposal.*

(b) *Land acquisition for Minnewawa Conservation Camp— \$25,000*

This camp is presently a going operation located on leased property in San Diego County, east of the City of San Diego. The lease is on a year-to-year basis. The Office of Architecture and Construction has recommended that all the buildings in this camp be replaced. We agree with this recommendation and consequently *we recommend that a suitable site be purchased for a replacement camp.*

(c) *Construct office—Butte County Ranger Headquarters— \$90,380*

(d) *Equip office—Butte County Ranger Headquarters— 840*

This proposal represents the continuation of replacing the facilities at this station which was started by an appropriation in the 1962 Budget Act to replace a warehouse building. The present office building was erected in 1940.

The design of the building is type five construction with a gross area of 3,664 square feet, to be completely air conditioned, and is estimated to cost \$19.30 per gross square foot for the basic building alone and about \$24.70 per gross square foot at total project level including all fees, utilities and site development.

The fees on this project are equivalent to 9.3 percent of the total cost of construction for what is basically a fairly standard office building in the Division of Forestry. In addition, the total includes \$7,600 as a contingency allowance which is part of the \$24.70 cost per gross square foot at total project level. We are certain that the simple wood frame construction involved here is being privately built in this area for substantially less cost per square foot. Consequently, *we recommend disapproval of the project.*

(e) *Construct Office—Orange County Ranger
Unit Headquarters ----- \$175,510*

Division of Forestry—Continued

(f) *Equip office—Orange County Ranger Unit Headquarters* ----- 1,698

This proposal continues the replacement of this station which was started by an appropriation in the 1961 Budget Act for the replacement of the mess hall and barracks. The present proposal is for an office building of wood frame type fire construction having approximately 6,345 gross square feet of area which is estimated to cost \$20.23 per gross square foot for the basic building and over \$27.85 per gross square foot at total project level including fees, general site development, parking for 22 cars and utilities.

The fees on this project are equivalent to 10.47 percent of the total construction cost for what is basically a repetitious office type of building which has become standardized in the Division of Forestry. In addition, there is \$14,500 as a contingency allowance which is reflected in the \$27.85 gross cost per square foot at total project level. The Orange County area of the State, being adjacent to Los Angeles, probably has one of the lowest construction cost indexes in the State and we are certain that similar types of construction are being performed for private accounts at substantially less cost. Consequently, *we recommend disapproval of the project.*

(g) *Construct San Diego County Ranger Unit Headquarters* ----- \$573,187

(h) *Equip San Diego County Ranger Unit Headquarters* 18,438

The present San Diego County Ranger Unit Headquarters is located in downtown La Mesa largely in a building constructed or reinforced concrete by PWA in 1934 or 1935. Since the headquarters also functions as a fire station, its location is rather awkward. It is now proposed to build an entirely new unit in Monte Vista on a newly acquired site. We have received no preliminary plans or specifications nor have we seen a complete program for what is proposed for this structure. Consequently, *we can make no recommendations at this time.*

(i) *Construct Alder Point Forest Fire Station*----- \$179,764

(j) *Equip Alder Point Forest Fire Station*----- 2,130

The Alder Point Forest Fire Station is presently functioning in metal buildings on leased property. It is proposed to build, on recently acquired property, an entirely new station consisting of a mess hall and barracks building, an equipment building, a gas and oil building, and one three-bedroom residence, all of type five wood frame, wood siding construction. The gross area of all these buildings is estimated at slightly over 5,900 square feet which will cost \$18.16 per gross square foot for the basic buildings and \$30.48 per gross square foot at total project level including \$11,000 for a sewer system in addition to all other utilities and general site development. We would point out that the average cost of \$18.60 per square foot for the basic buildings includes an equipment building which is really nothing but an open storage area and a gas and oil storage building which is also a simple

Division of Forestry—Continued

undivided area. We should also point out that the service fees amount to \$13,021, equivalent to 8.8 percent of the cost of construction, for buildings which are largely standardized and repetitious. In addition there is a contingency allowance of almost \$14,800 which also figures into the \$30 plus per gross square foot for the total project. *We cannot recommend such cost for a project of this type when private construction of similar types in this general area can be had for substantially less.*

(k) Construct Shingle Town Forest Fire Station----- \$113,810

(l) Equip Shingle Town Forest Fire Station----- 1,685

This project proposes the replacement of facilities at a forest fire station which were originally erected in 1942 on a low cost, substandard basis. The project was proposed for inclusion in the 1963 Budget Bill but was rejected by the Legislature. At that time the cost was estimated at \$106,530 for a combination mess hall and barracks, a three-bay vehicle storage building and a gas and oil storage shelter building all of type five construction. The present cost is nearly 7 percent higher than the one quoted last year and we believe that this is excessive for the purpose. We did not receive a new package and estimate to cover this project but nevertheless *we recommend again that the project be deferred.*

(m) Construct Clear Lake Oaks Forest Fire Station----- \$98,090

(n) Equip Clear Lake Oaks Forest Fire Station----- 368

This project proposes the construction of a standard combination messhall, kitchen and barracks building which provides sleeping space for 16 men and is of type five, wood frame construction having a gross building area of 3,184 square feet. It is estimated to cost \$21.58 per gross square foot for the basic building and over \$31.10 per gross square foot at total project level including utilities, site development and fees. The fees alone represent 9.75 percent of the total construction cost, for what is supposed to be a standard plan requiring only foundation site changes. In addition there is an \$8,000 contingency allowance which figures in as part of the \$30.10 per gross square foot at total project level. We submit that even in the Clear Lake Oaks area of Lake County, private construction similar in character is occurring for substantially less cost. We do not feel that we can recommend a cost which is equivalent per square foot to the construction of a state college general classroom building in steel and reinforced concrete. *We recommend disapproval.*

(o) Construct Placer County Ranger Unit Headquarters-- \$403,422

(p) Equip Placer County Ranger Unit Headquarters----- 6,720

It is anticipated that the existing Placer County Ranger headquarters may be either inundated by the construction of Auburn Dam or cut off from access to the south and east. A new site has already been provided for with a prior allocation of \$70,000. We have received no preliminary plans, outline specifications or general program for this project and

Division of Forestry—Continued

consequently, we have no basis on which to make an evaluation. Judging by other projects we would anticipate that the cost would be excessive and unacceptable to us. *We can make no recommendation at this time.*

(q) Construct Smith Creek Forest Fire Station.....	\$83,650
(r) Equip Smith Creek Forest Fire Station.....	1,373

This project proposes the construction of a 10-man, standard barracks, kitchen and messhall building at Smith Creek near Mt. Hamilton. The present building was constructed in 1937 or 1938 supposedly from salvaged material.

The proposed building is a type five, wood frame structure with a gross area of 2,578 square feet which is estimated to cost \$22.42 per gross square foot of basic building and \$33 per gross square foot at total project level including utilities and all fees. Fees alone are equivalent to 11.25 percent of the total construction cost. There is also a contingency allowance of \$6,882 which represents part of the \$33 per gross square foot of total project cost. This location, within reasonable striking distance of San Jose cannot possibly justify the cost quoted above. *We recommend disapproval.*

(s) Construct two conservation camps, second phase.....	\$1,200,000
(t) Equip two conservation camps, second phase.....	225,000

The Budget Act of 1963 provided \$243,396 as the first phase for constructing two new 80-man conservation camps. This amount together with the proposal makes a total of over \$1,443,000. In addition there are certain other costs incurred by the Division of Forestry which do not appear as a direct appropriation but which when added to this amount bring the cost of a conservation camp very close to \$10,000 per inmate or about the cost of a minimum security correctional installation.

As previously mentioned, the acquisition of sites has become increasingly difficult and those that are being acquired are occurring in the less desirable and less accessible areas so that development costs are going up very rapidly. In the Budget Act of 1963 the second phase for two conservation camps was appropriated at \$870,000 as compared with the amount now proposed. We think serious consideration must be given to these rising costs in relation to the values expected. In any case we have received no preliminary plans or outline specifications which, coupled with the high cost, leads us at this time to *withhold any recommendation.*

(u) Construct two conservation camps, first phase.....	\$249,970
(v) Equip two conservation camps, first phase.....	160,582

This proposes a continuation of the policy of starting two new camps each year. *In line with our previous expressions on the problem we would recommend against any further expansion until the entire problem has been thoroughly reviewed.*

Division of Forestry—Continued

(w) Construct Ben Lomond Conservation Camp----- \$516,375

(x) Equip Ben Lomond Conservation Camp----- 26,050

The Budget Act of 1963 provided \$85,000 for the purchase of the 40 acres of leased land on which the camp now stands plus an additional 48 acres to provide for a dependable water supply. It is now proposed to replace all of the buildings which are of considerable age, in many cases having been war surplus structures. We have received no preliminary plans or outline specifications nor a complete program for the redevelopment of this facility. However, we understand that the current estimate is substantially above the figure contained in the budget. Consequently, *we can make no recommendation at this time.*

(y) Construct paint and body shop—Konocti
Conservation Camp ----- \$110,765

(z) Equip paint and body shop—Konocti
Conservation Camp ----- 4,425

The automotive painting and body repairing shop for district 1 is presently located at the Parlin Forks Conservation Camp in Jackson State Forest in Mendocino County. It has been found that climatic and weather conditions in this area are relatively poor for good painting work. In addition the facilities housing the function are considered unsatisfactory. It is now proposed to remove this operation to the Konocti Conservation Camp in Lake County near Lower Lake where weather conditions are much better for the purpose.

The project involves the construction of two steel frame metal clad buildings, one to house the painting and sanding functions and the other as a storage facility for the vehicles, which together have a gross area of almost 5,900 square feet. The current cost estimate indicates \$14.56 per gross square foot for the basic building and \$19.14 per gross square foot at total project level, including electrical and plumbing utilities and all fees. The fees alone are equivalent to almost 12 percent of the cost of construction in addition to which there is \$8,874 as a contingency allowance as part of the \$19.14 total project cost. These are very simple prefabricated buildings which even in this location should cost substantially less than is estimated. *We recommend disapproval.*

Department of Veterans Affairs
VETERANS HOME OF CALIFORNIA

Item 367 of the Budget Bill

Budget page 1063

FOR MAJOR CONSTRUCTION, IMPROVEMENTS AND EQUIPMENT,
VETERANS HOME OF CALIFORNIA, FROM THE
STATE CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted -----	\$469,324
Recommended for approval -----	53,724
Recommended for special review -----	415,600

Veterans Home of California—Continued

ANALYSIS

a. Replace reservoir cover ----- \$53,724

The timber truss-supported reservoir cover is no longer structurally sound and must be replaced. The galvanized steel cover recommended for replacement presents a satisfactory solution to the problem.

We recommend approval.

b. Construct additions and alterations to medical treatment center ----- \$363,900

c. Equip addition and alterations to medical treatment center ----- 51,700

This project proposes completion of the most recent addition to the hospital. The first floor houses the clinic for the domiciliary members of the home, and the second floor houses the physical therapy area and the central supply for the hospital. A portion of the second floor can be extended as proposed by this project to enable relocation of the X-ray unit. This relocation would not only enable the X-ray unit to escape its overcrowded quarters, but it will deter the traffic from passing the hospital surgery, a practice that is contrary to present medical standards. The relocation of the X-ray unit will also enable X-ray treatment as well as diagnosis.

The third floor addition and portion of this project would provide 28 additional beds for women veterans in the hospital. The hospital has sufficient capacity to service the domiciliary bed capacity of the home. Additional capacity can be constructed and justified only on the basis of accepting applicants from the existing hospital waiting list which covers veterans not presently domiciled at the home. It is pointed out in the analysis of the Veterans Home support budget elsewhere in this analysis that the State is relieving the Veterans Administration of its responsibility to care for this type of patient, if it constructs additional capacity.

It is recommended that additional capacity on the third floor be deleted from this project and that its cost be reduced accordingly. The cost estimate has not been segregated and therefore we conservatively suggest a \$207,800 reduction which is one-half of that proposed by subitems b and c.

UNALLOCATED

Item 368 of the Budget Bill

Budget page 1065

FOR PROJECT PLANNING TO BE ALLOCATED BY THE DEPARTMENT OF FINANCE FROM THE STATE CONSTRUCTION PROGRAM FUND

RECOMMENDATIONS

Amount budgeted ----- \$500,000
Recommended for approval ----- No change

Unallocated—Continued
ANALYSIS

The Legislature has followed a long established policy of requiring adequate preliminary plans and specifications to back up requests for appropriations for working drawings and construction, at each of its sessions. This item proposes to continue that policy and represents the cost of preliminary planning and programing for major construction in all those state agencies whose construction programs would be funded from the State Construction Fund with the exception of the Trustees of the California State Colleges and the University of California each of which is separately provided for in its own appropriation.

The basis of the amount proposed is the assumption that about \$40 million worth of projects will be proposed in the succeeding budget for which the Office of Architecture and Construction calculates 1½ percent will be required to develop adequate preliminary plans and specifications. The current proposals for construction in the Departments of Correction, Youth Authority, Mental Hygiene and Conservation total about \$40 million and it is, therefore, reasonable to assume that the same amount will probably be proposed at the 1965 session of the Legislature. However, we would like to call attention to the fact that in the case of the Youth Authority the total value of projects which were turned over to the Office of Architecture and Construction for preliminary planning was over \$50 million whereas the amount included in this budget is somewhat less than \$17 million. We believe that the certification of this much preliminary plans work was totally unrealistic and represents an unnecessary expenditure of funds. We have always accepted the premise that the value of the work turned over to the Office of Architecture and Construction would be about 50 percent higher than the amount that could be anticipated for inclusion in the budget in order to provide flexibility in making final choices for inclusion. But in this particular instance the excess amount represented a 200 percent overage for which there can be no justification.

On the assumption that the amount to be turned over to the Office of Architecture and Construction for preliminary planning for all the agencies mentioned will not exceed between \$40 and \$50 million *we would recommend this item as proposed.*

UNALLOCATED

Item 369 of the Budget Bill

ANALYSIS

This item proposes that the Director of Finance be empowered to transfer, from the appropriations contained in this act, funds necessary as the State's contribution of matching requirements for federal grants, subject to certain restrictions. The transferred funds must be made available as the result of federal contributions to projects authorized by this Budget Bill and the projects for which the transfer will be made must be as detailed in items (a) through (cc) for the University

Unallocated—Continued

of California and/or items (dd) through (iiii) for the state colleges as described in Item 369 of the Budget Bill. It is recognized that adoption of this item can give the Director of Finance the authority for contributing state funds to a project that has not been reviewed by the Legislature but we believe that the possible opportunity of accepting federal funds that might otherwise be lost offsets the disadvantage. *We recommend approval.*

UNALLOCATED

ITEM 370 of the Budget Bill

RECOMMENDATION ----- Delete item

ANALYSIS

This item proposes that the Director of Finance be empowered to transfer from the appropriations contained in this act funds necessary as the State's contribution of matching requirements for federal grants subject to certain restrictions. The transferred funds must be made available as the result of federal contributions to projects authorized by the Budget Bill and the projects for which the transfer will be made must be as described in this item. The total amount transferred and appropriated under this item shall not exceed \$1,629,150. Adoption of this item can give the Director of Finance the authority to contribute state funds to a project that has not been reviewed by the Legislature so that advantage could be taken of the opportunity of accepting federal funds that presumably might otherwise be lost or delayed.

The following schedule is attached to the item:

(a) Remodel Section B of hospital annex-----	\$266,200
(b) Equip remodeled Section B-----	85,250
(c) Construct addition to hospital-----	1,180,200
(d) Equip addition to hospital-----	97,500

No preliminary plans, outline specifications or program material for these projects have been made available for evaluation.

We recommend disapproval of this item. It provides for the construction of an additional wing to the hospital of the Veterans' Home and for conversion of the McKinley Barracks to nursing home care. The hospital and nursing home facilities are entirely adequate to take care of the resident domiciliary population. Construction of additional capacity for this type patient would serve to relieve the Veterans Administration of its obligation to veterans. It would obviously be to the advantage of the federal government if it could induce the State of California to become obligated to additional patients of this category. A projection of the needs of this type of care in the near future is staggering and the State of California should examine the total cost that will be involved before it accepts a policy of relieving the Veterans Administration of any of its responsibilities to the U.S. veteran. *It is for these reasons that we recommend disapproval of this item.*