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Annual Report



Waikiki Beach Project

Superintendent of Public Works

Territory of Hawaii

June 30, 1951

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TERRITORY OF HAWAII
DEPARTMENT OF PUBLIC WORKS
HONOLULU

June 30, 1951

Honorable Oren E. Long
Governor, Territory of Hawaii
Iolani Palace
Honolulu, T. H.

Dear Governor Long:

At the start of the fiscal year, public works activities were being pushed at an accelerated rate to take up the slack in private and federal government activity and to take advantage of the favorable cost factors resulting therefrom.

However, with increased military activity in the Orient, defense mobilization on a nation-wide scale and increased local federal employment, Territorial building construction was decelerated as the year progressed. Highway construction, being essential to the national defense, was continued at a record rate, exceeding any past year.

Projects of unusual interest included Waikiki beach redevelopment, three sections of the Honolulu waterfront arterial and some unique bridge construction on the Hamakua highway on the Island of Hawaii.

At Waikiki, 1,700 feet of ugly, undeveloped tidal reef was transformed into a wide white beach by the addition of 107,000 cubic yards of sand, together with necessary groin and drain construction.

The Honolulu waterfront arterial, connecting Waikiki, Honolulu, Honolulu Airport and Pearl Harbor, will be cleared of bottlenecks by the construction started during the year.

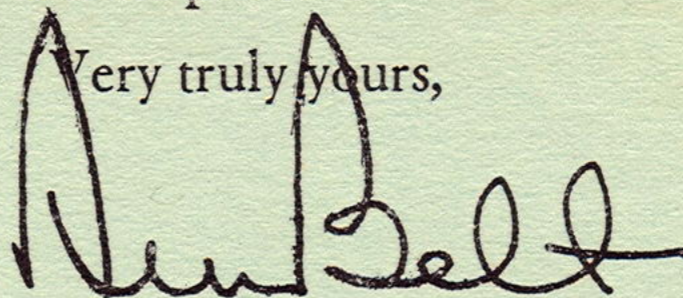
On the Hamakua Highway, five existing railway bridges are being widened with salvaged steel to make highway bridges. This operation will result in a saving of more than \$400,000 over conventional new construction.

Tightening controls on critical materials indicate that building construction will be curtailed further during the next fiscal year. Highway construction, however, should continue at the same level with the possibility that federal defense highway legislation may even increase it.

In addition to new construction work the Department of Public Works continued to handle maintenance of highways, buildings and other territorial properties.

I should like to take this opportunity to commend the entire staff of the Department. Without the wholehearted support and cooperation of every employee the year's accomplishments would not have been possible.

Very truly yours,



Superintendent of Public Works

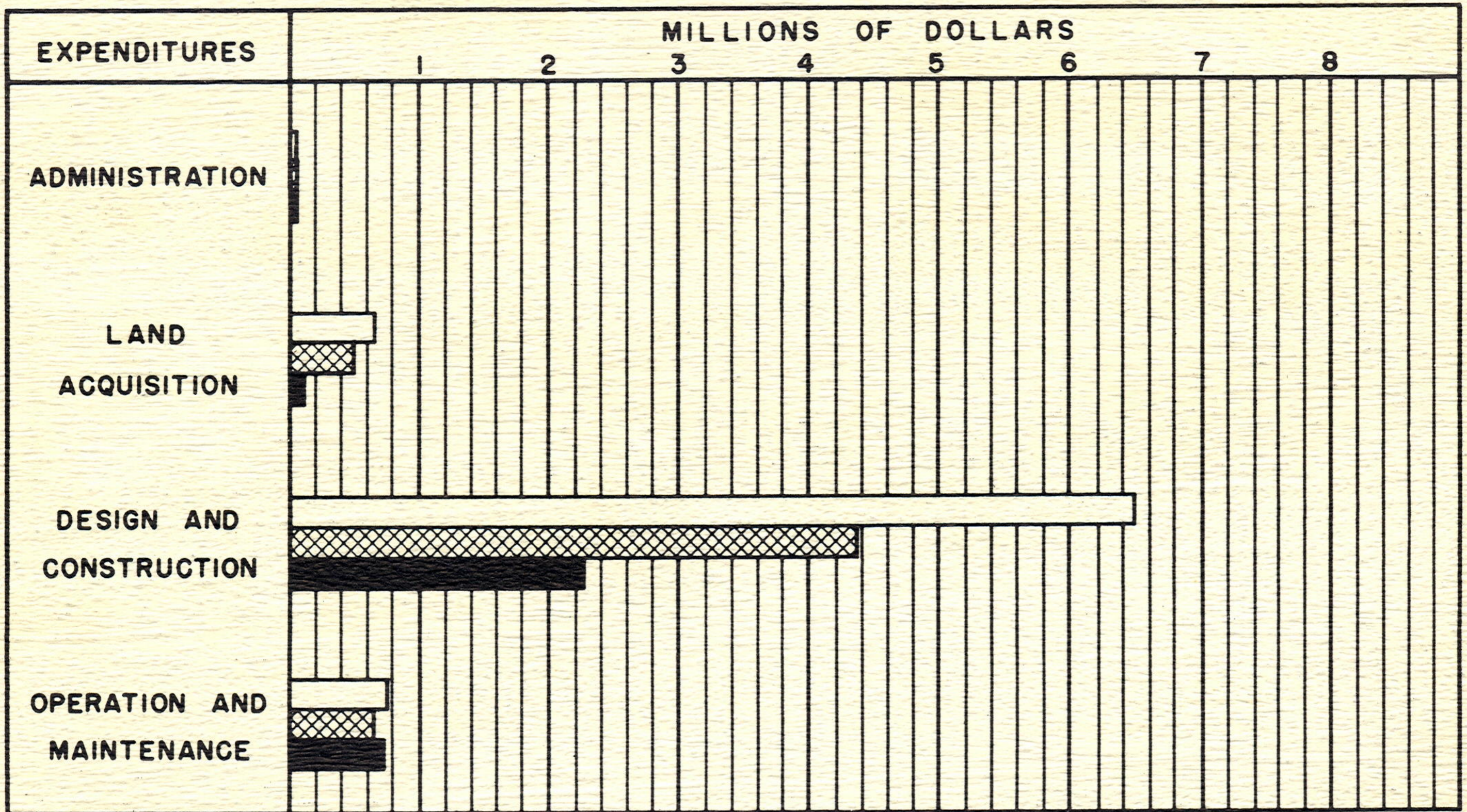
Dollar Volume of Contracts Awarded During Fiscal Year Totaled \$12,779,297

Highways	\$10,041,828
Public Works and Beach Restoration	2,398,391
Airports	339,078



GENERAL PUBLIC WORKS EXPENDITURES

LEGEND FISCAL YEAR 1949 FISCAL YEAR 1950 FISCAL YEAR 1951



Public Buildings (cont.)

6. Waikiki Beach Improvement. Construction of 1,700-foot beach from Kuhio Beach toward former wartime Breakers site. 88 per cent completed.
7. Residence hall for women, University of Hawaii. Three story reinforced concrete building. 32 per cent completed. \$408,434.
8. Waikiki-Kapahulu Library. Construction of new one story library building. Under construction. \$150,767.
9. Waipahu Library. Erection of new one story library building. Under construction. \$115,800.
10. Waialua Library. One story structure. Under construction. \$36,810.
11. Leahi Hospital. Alterations to boiler and boiler room. Installation steam and hot water system. 98 per cent completed. \$36,772.
12. Leahi Hospital, stainless steel counters, under contract. \$3,584.
13. Leahi Hospital, kitchen equipment, under contract. \$5,175.93.

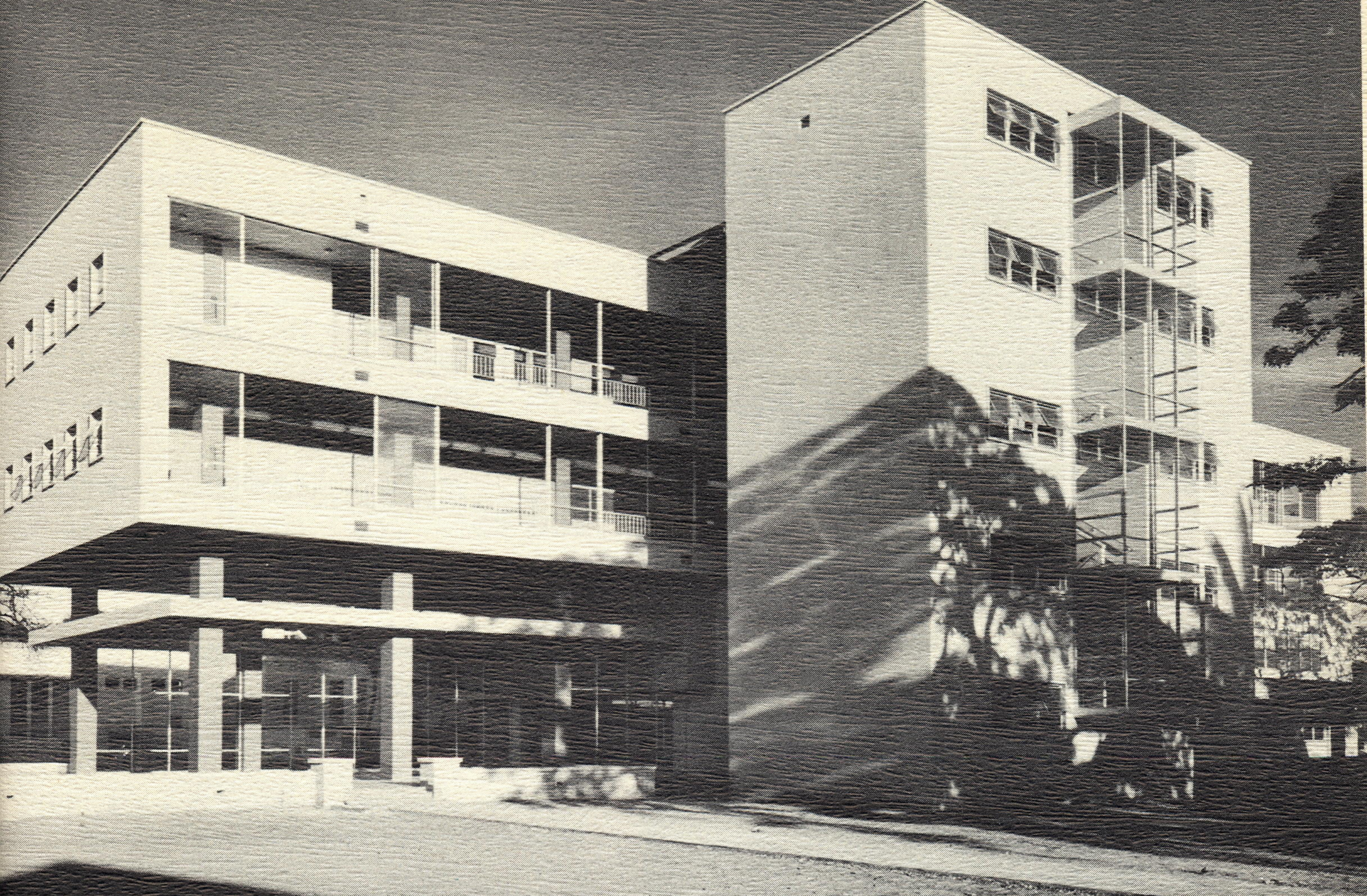
14. Leahi Hospital. Alterations to administration building. Work under way. \$255,430.
15. Library of Hawaii, reconstruction of roof. Under construction. \$69,910.
16. Honolulu Airport, repairs to roofs of 21 buildings. S. & O. Roofing Co. \$21,202.50.

MAUI

1. Maui Vocational School. Construction of administration building. 67 per cent completed. \$214,660.
2. Maui County Free Library. Additions to library. Under construction. \$29,000.
3. Lahaina Armory. Construction of a temporary armory building. Under construction. \$40,840.
4. Fumigation and Storage Building. Construction of one story building for Board of Agriculture and Forestry. Under construction. \$18,500.

HAWAII

1. Puumale Hospital. Construction of main hospital building of reinforced concrete. 99.3 per cent



New office building for the Department of Labor and Industrial Relations, the Civil Service Commission, Hawaii Retirement System and the Council of Veterans Affairs. The \$565,000 reinforced concrete structure, completed in January, 1951, has been named the Keelikolani building in honor of Princess Ruth Keelikolani, a direct descendant of King Kamehameha I. It is located in the rear of the territorial tax office and bounded by Queen, Halekauwila and Mililani streets.

Public Buildings (cont.)

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| <p>completed. \$2,056,500.</p> <p>2. Puumaile Hospital. Construction of nurses' quarters and doctor's cottage. Frame buildings. 99.4 per cent completed. \$248,842.</p> <p>3. Puumaile Hospital. Medical director's residence. Wood structure. Completed March, 1951. \$25,996.85.</p> <p>4. Hawaii Vocational School. Construction of administration and cafeteria buildings. 31 per cent completed. \$225,000.</p> <p>5. Hilo Tax Office. Alterations to old library building. 63 per cent completed. \$25,733.18.</p> <p>6. Hilo Library. Furnishing of furniture and equipment. Completed December, 1950. \$48,916.</p> <p>7. Hilo Library. Addition of women's staff room. Completed February 1, 1951.</p> | <p>per cent completed. \$693,000.</p> <p>2. Samuel Mahelona Hospital. Construction of medical director's residence. 46 per cent completed. \$29,050.</p> <p>3. Kauai Vocational School. Construction of auto, sheet metal and welding shop buildings. Under construction. \$153,658.19.</p> <p>4. Fumigation and Storage Building. New wood structure for Board of Agriculture and Forestry at Port Allen. 74 per cent completed. \$17,657.</p> <p>5. Lihue Airport. Construction of freight terminal building. Completed December, 1950. \$20,074.67.</p> <p>6. Kapaa Swamp Fill. Extension of Kapaa Swamp filling. 87 per cent completed. \$39,487.</p> |
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KAUAI

1. Samuel Mahelona Hospital. Construction of main hospital building of reinforced concrete. 95

MOLOKAI

1. Kauluwai and Hoolehua Water Supply System. Additions and alterations to the system. Work under way. \$49,660.

AIRPORTS

Major activities in airport work consisted of constructing and installing improvements at existing fields of the various islands. These projects were carried out by the Department of Public Works to conform with an improvement program outlined jointly by the Hawaii Aeronautics Commission and the Civil Aeronautics Administration.

Projects under construction during this period were as follows:

PROJECT	AMOUNT	COMPLETION DATE
Hana Airport—Paving	\$160,454.00	Dec. 4, 1950
Kona Airport—Additional Grading and Paving	140,664.40	Jan. 25, 1951
Lihue Airport—Additional Grading and Paving	237,653.74	Dec. 28, 1950
Lihue Airport—Installation of Electrical Distribution System	48,400.00	August, 1951
Honolulu Airport—Rehabilitation of Runways	135,180.72	Sept. 26, 1950
Honolulu Airport—Fencing	20,267.50	Sept. 11, 1951
Lanai Airport—Additional Paved Area	25,856.38	May 26, 1951



Lihue Airport. Contract involving construction of additional paved areas. Above, completed auto park. Bottom, completed parking apron.

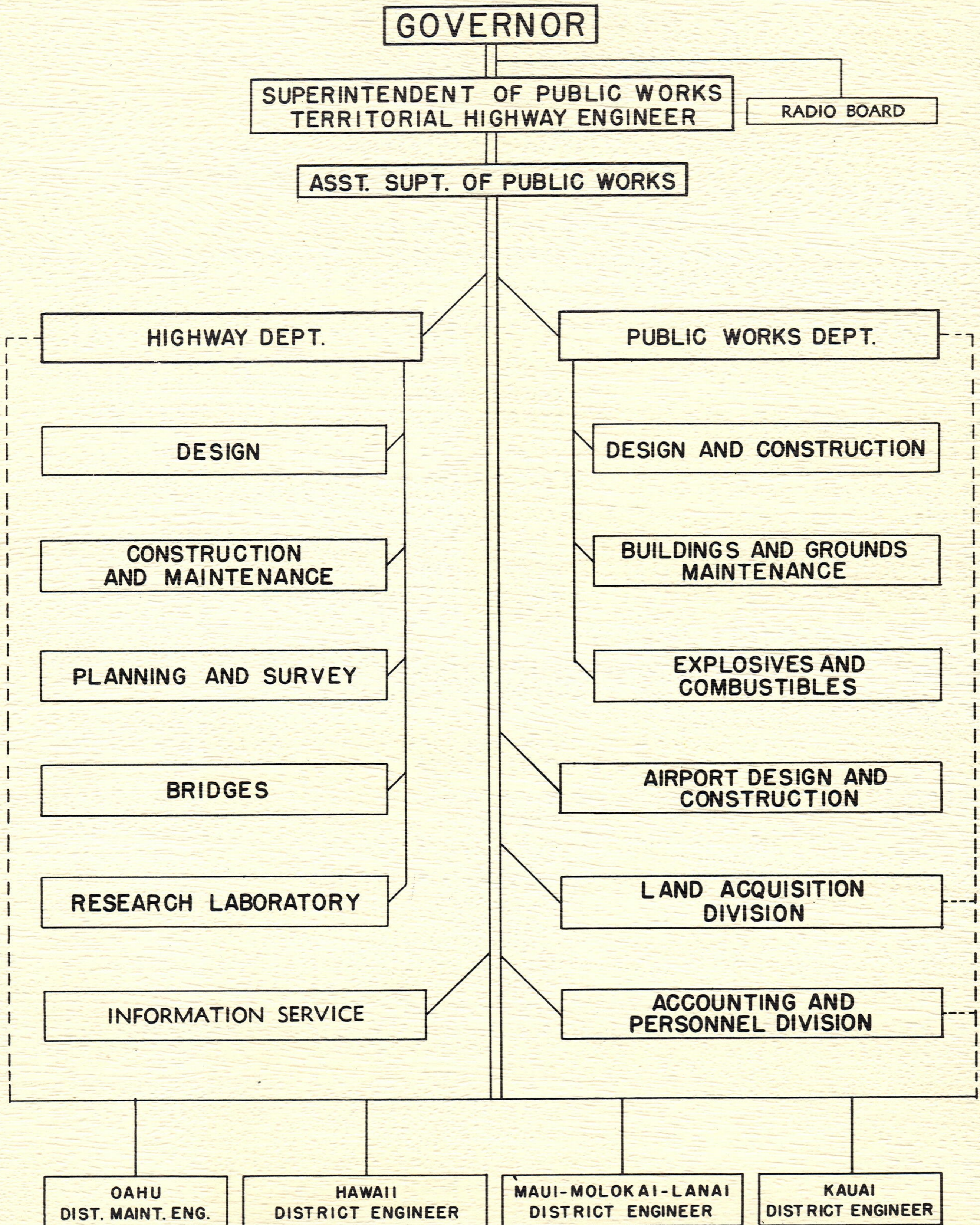


Hana Airport, Hana, Maui, as seen from the air. Paving of the airport was completed in October, 1950, and the airport was officially opened to traffic following elaborate ceremonies on Armistice Day, 1950.

TERRITORY OF HAWAII
DEPARTMENT OF PUBLIC WORKS

ORGANIZATION CHART

JUNE 30, 1951



TERRITORY OF HAWAII
DEPARTMENT OF PUBLIC WORKS

ADMINISTRATIVE STAFF

June 30, 1951

EXECUTIVE DEPARTMENT

Superintendent of Public Works and Territorial Highway Engineer Robert M. Belt
Assistant Superintendent of Public Works Bert B. Montgomery

DISTRICT ENGINEERS

Island of Hawaii Edward S. Kaaua
Islands of Maui, Molokai & Lanai A. L. Burdick
Island of Kauai Fred L. Schumacher

HIGHWAY DEPARTMENT

DESIGN

Highway Design Engineer John C. Myatt

CONSTRUCTION AND MAINTENANCE

Highway Construction and Maintenance Engineer Robert W. Hendry
Maintenance Engineer (Oahu) Edward C. Chester
Resident & Project Engineer, Hamakua Highway Erwin F. Morrison

PLANNING AND SURVEY

Highway Planning Survey Director K. Y. Chang

BRIDGES

Bridge Engineer William R. Bartels

RESEARCH LABORATORY

Testing Engineer K. Bert Hirashima

INFORMATION SERVICE

Information Specialist George N. West

DEPARTMENT OF PUBLIC WORKS

DESIGN AND CONSTRUCTION

Architect James Morrison
Building Structural Engineer William S. C. Pung

BUILDINGS AND GROUNDS MAINTENANCE

DISTRICT ENGINEERS

EXPLOSIVES AND COMBUSTIBLES

DISTRICT ENGINEERS

Inspector (Oahu) Frank H. Webster

AIRPORT DESIGN AND CONSTRUCTION

Airport Engineer Tim Ho

LAND ACQUISITION DIVISION

Rights-of-Way Agent Wilford D. Godbold

ACCOUNTING AND PERSONNEL DIVISION

Finance Executive Andrew Nicoll

RADIO CONTROL

Radio Engineer (Acting) Seraphine Morgado

ARCHITECTURAL AND ENGINEERING SERVICES

PROJECT AND LOCATION	TYPE OF WORK	CONTRACTOR	AMOUNT
Maui County Library, Wailuku, Maui	Design of an extension to the library building	Merrill, Simms and Roehrig	\$ 2,400.00
Central Garage, Honolulu, Oahu	Design of central garage, auto shop and parking facilities	Robert Miller	5,832.00
Archives Building, Honolulu, Oahu	Design of a new archives building	Mark Potter	14,500.00
Tax and Health Building, Kaunakakai, Molokai	Design of an office building for tax and health departments	Ray Morris	4,600.00
Hawaii Vocational School, Hilo, Hawaii	Electrical engineering for administration and five shop buildings	Martin and Curley	3,600.00
Kauai Vocational School, Lihue, Kauai	Electrical engineering for shop and service buildings	Martin and Curley	3,750.00
Total			\$ 34,682.00

STATEMENT OF CONTRACTS AWARDED

Fiscal Year 1951

AIRPORT CONSTRUCTION

Honolulu Airport, Oahu	Rehabilitation and repaving of runways	Hawaiian Bitumuls Co., Ltd.	\$ 153,370.04
Lihue Airport, Kauai	Construction of a freight terminal building	Shigematsu Honjiyo	22,074.67
Lihue Airport, Kauai	Installation of electrical system	Ken's Electric Co.	53,672.00
Lanai Airport, Lanai	Construction of additional paved areas	Western Builders, Ltd.	32,877.50
Honolulu Airport, Honolulu	Construction of cyclone fencing	Inter-Island Contracting Co., Ltd.	22,767.50
Total			\$ 284,761.71

ARCHITECTURAL AND ENGINEERING SERVICES

Honolulu Airport, Oahu	Design and engineering for installation of night lighting system	Martin and Curley	\$ 9,971.33
General Lyman Airport, Hilo, Hawaii	Design of an administration building	Theodore A. Vierra	15,120.00
Lihue Airport, Kauai	Design for addition to terminal building	A. W. Heen	4,725.00
Total			\$ 54,316.33

Department of Public Works
SUMMARY FINANCIAL REPORT
RADIO BOARD

Fiscal Years 1949, 1950 and 1951

	1949	1950	1951	Total
Balance at July 1, 1948				\$26,821.83
Receipts:				
Territorial Appropriation	\$ —	\$64,602.00	\$ —	—
Total Receipts	\$ —	\$64,602.00	\$ —	\$64,602.00
Total Available Funds				\$91,423.83
Disbursements:				
Administration	4,571.41	3,528.79	4,809.58	—
Operation & Maintenance	20,356.65	22,965.16	20,425.40	—
Total Disbursements	\$24,928.06	\$26,493.95	\$25,234.98	76,656.99
Total Fund Lapsed	1,893.77	8,101.05	4,772.02	14,766.84
Balance June 30, 1951				—

Department of Public Works
STATEMENT SHOWING SERVICES RENDERED TO OTHER DEPARTMENTS
PAYABLE OUT OF FUNDS UNDER THEIR CONTROL

Fiscal Year 1951

Department	Design and Construction	Operation and Maintenance	Total
Board of Agriculture & Forestry	\$ 22,018.40	\$ 128.73	\$ 22,147.13
Attorney General's Office		351.21	351.21
Territorial Auditing Department		68.32	68.32
Deputy Bank Examiner		321.41	321.41
Territorial Board of Barbers		147.71	147.71
Disaster Relief Council		320.58	320.58
First Circuit Court		77.42	77.42
Board of Harbor Commissioners	6,684.10	8,831.30	15,515.40
Hawaii Aeronautics Commission	397,889.15		397,889.15
Hawaii National Guard		1,395.00	1,395.00
Hawaiian Homes Commission		297.97	297.97
Health Department		1,054.38	1,054.38
Hilo County Library	65.56		65.56
Bureau of Civil Identification		200.30	200.30
Department of Institutions	15,419.32	2,966.72	18,386.04
Department of Public Instruction		860.50	860.50
Territorial Insurance Commission		500.00	500.00
Juvenile Court		6,132.54	6,132.54
Department of Labor & Industrial Relations		3,678.64	3,678.64
Library of Hawaii		472.16	472.16
County Engineer, Maui	352.04		352.04
Secretary of Hawaii		2,357.20	2,357.20
Territorial Senate		90.00	90.00
Bureau of Sight Conservation		887.03	887.03
Committee on Subversive Activities		17.49	17.49
Survey Department		579.75	579.75
Territorial Tax Commissioners		1,927.04	1,927.04
University of Hawaii		507.48	507.48
Department of Public Welfare		3,649.93	3,649.93
Kamehameha Day Celebration Committee	327.50		327.50
Total	\$442,756.07	\$37,820.81	\$480,576.88