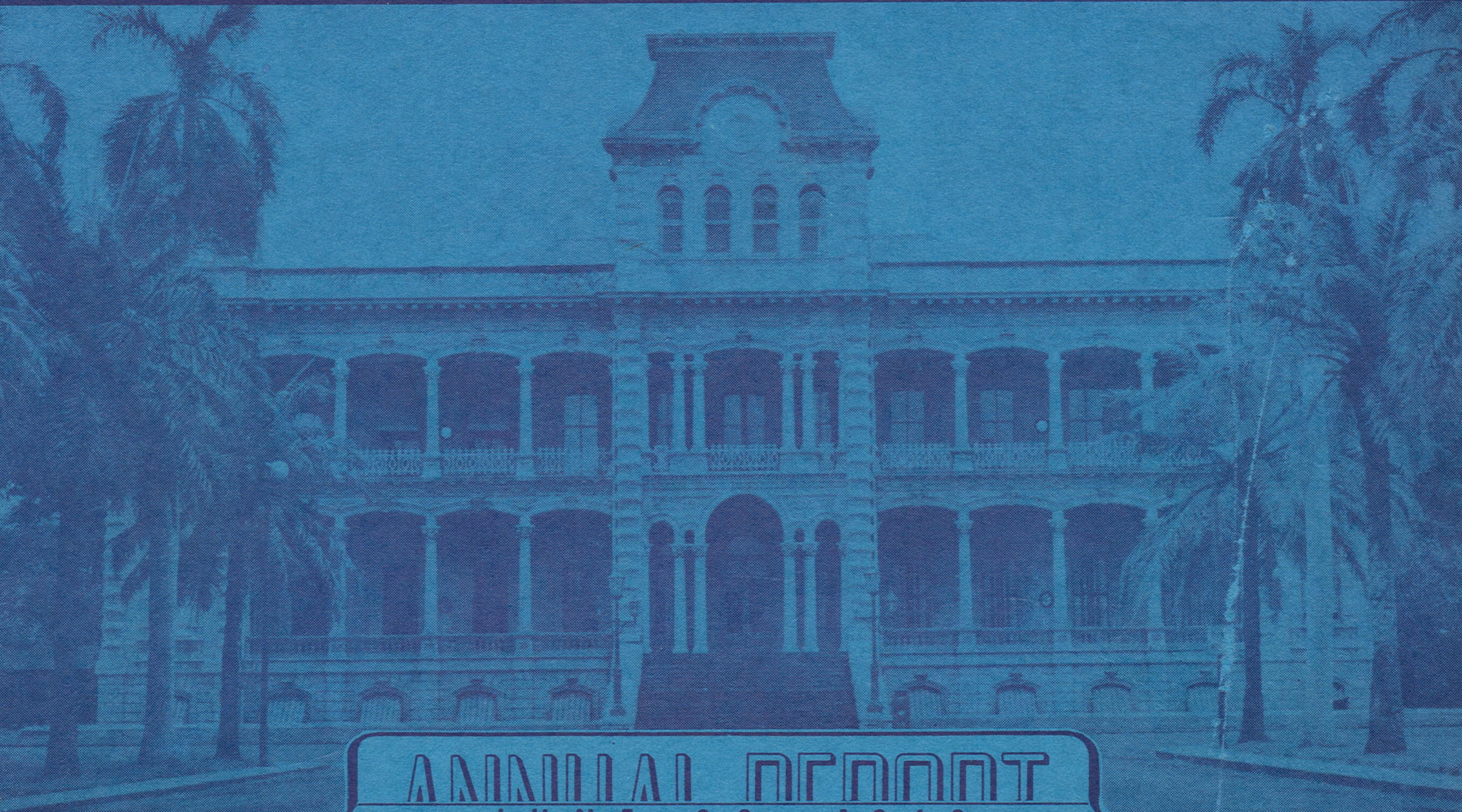
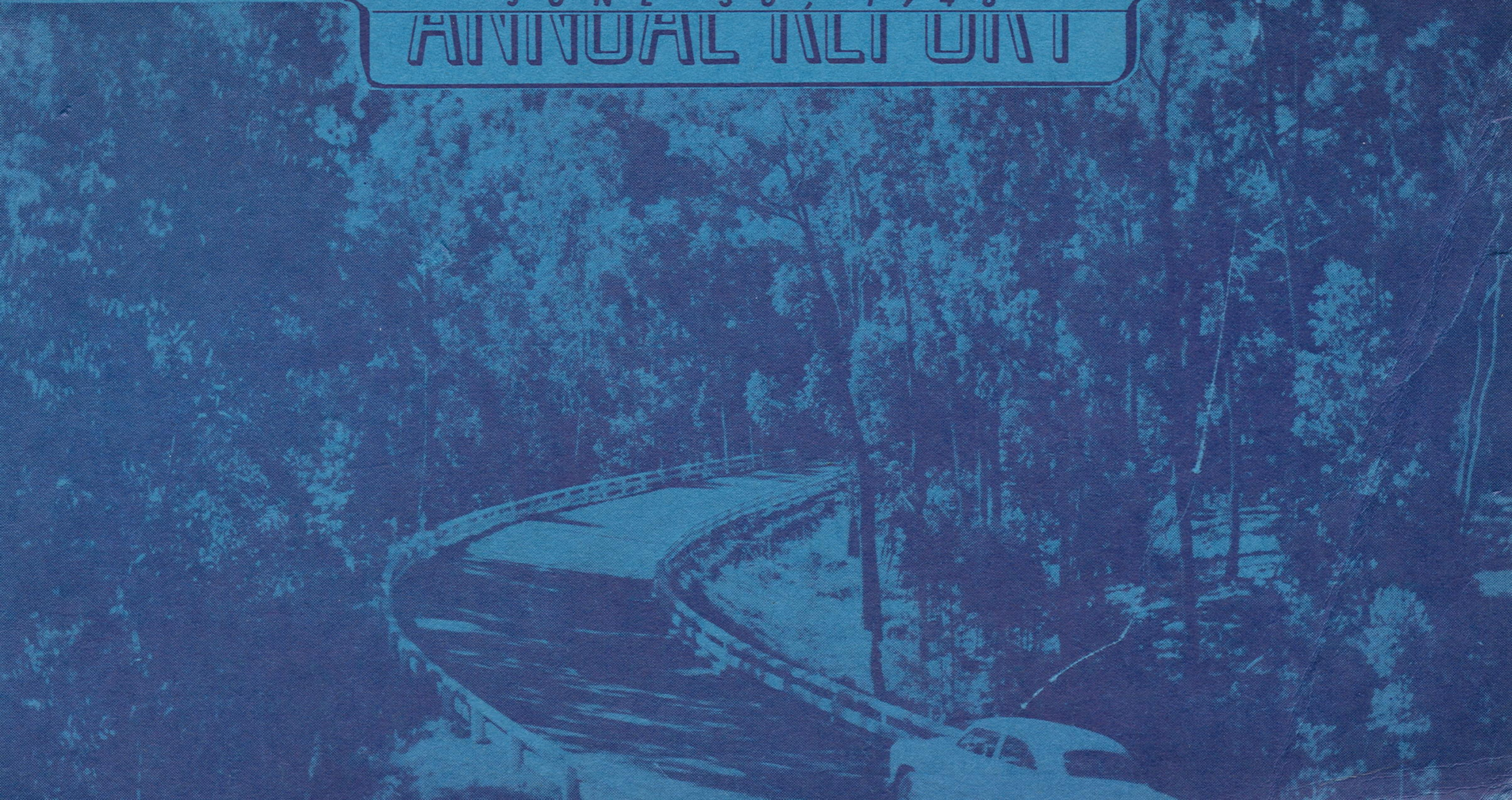


TERRITORY OF HAWAII

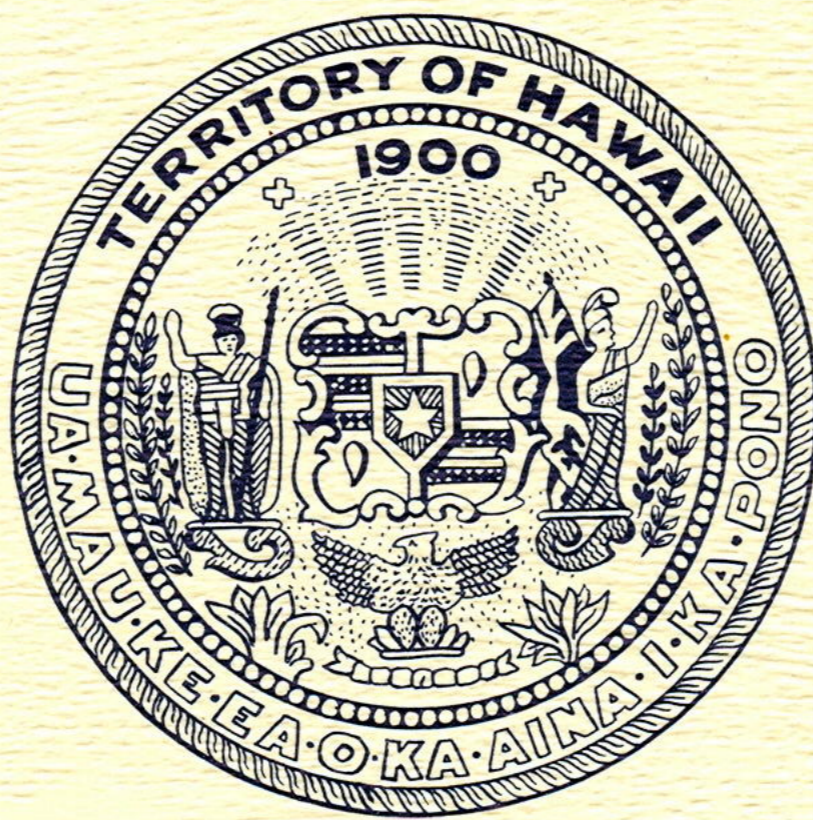
Superintendent of Public Works



ANNUAL REPORT
JUNE 30, 1948
ANNUAL REPORT



REPORT
TO THE GOVERNOR
Territory of Hawaii



BY THE

Superintendent of Public Works

For the year ending June 30, 1948

Honorable Ingram M. Stainback
Governor of Hawaii
Iolani Palace
Honolulu, Hawaii

Dear Sir:

The accompanying report covers the activities of the Department of Public Works and the Territorial Highway Department during the fiscal year ending June 30, 1948.

The beginning of the fiscal year 1947-1948 found the Department of Public Works with a large backlog of necessary work, accumulated during the war years and the first post-war years, when rigid production and construction controls were still in force. Besides this, there was authorized by the 1947 Legislature the largest Public Works program in Territorial History.

A creditable start has been made. Thirty-two contracts, totaling \$4,950,339 have been let during the year, as against a total of \$3,271,267 during the preceding year, and a total of \$2,407,640, in 1945-1946. There are enough newly completed plans on the drawing boards now to insure an even higher volume of construction during the next year.

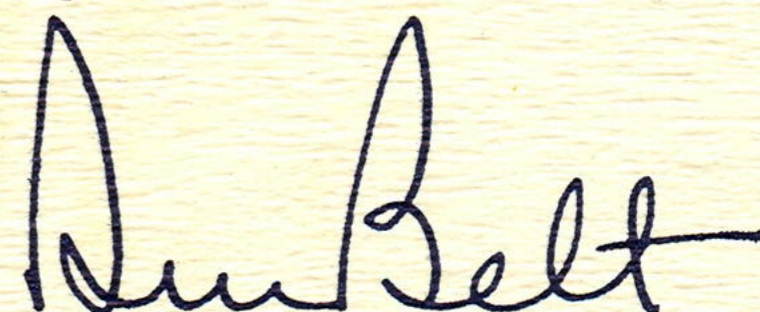
In the Public Works field, nearly every major project is controversial. Conflicting private interests and the participation of all three levels of government make this inevitable. Full consideration must be given to the conflicting view points to arrive at the best solution consistent with sound engineering and economics. It has been a major task of this department to take the lead in resolving all such difficulties. As this report goes to press, there is being advertised for construction a section of the Honolulu makai arterial highway on a location satisfactory to the Federal Public Roads Administration, the City Planning Commission, and interested property owners, and the contract provides for simultaneous construction of City sewer mains and Board of Water Supply water mains. It has taken a few months longer than planned to bring this to the construction stage, but the public will benefit both from savings in total cost and from reduction of the inconvenience caused by opening up of newly completed streets for construction of new utilities.

This is a striking example of united effort in the public good and is but one of many instances of the fine cooperation given by other governmental departments. There is good reason to hope that the few remaining controversial projects—and it should be stressed that the conflict results from honest differences of opinion and points of view—will be worked out quickly and to the best public interest.

In addition to new construction, the Department has continued in its function as housekeeper for Territorial buildings and highways. A high standard of maintenance has been its goal. Working conditions in Territorial offices have been improved by large-scale substitution of modern lighting fixtures for the underpowered fixtures in many of the buildings. A continuous painting program has been maintained. Removal of prison work lines has retarded the improvement of Territorial grounds, but it has been possible to maintain the status quo with available authorized manpower. Mechanization has been stressed wherever possible in highway maintenance.

From July 1, 1939 to June 30, 1946 construction cost indexes have shown a gradual increase up to 85 percent. However, during the last two years of the past decade, this increase continued upward until pegged at the all-time high of approximately 230 percent on June, 1948. This devaluated construction dollar coupled with appropriation limitations places an extra burden on this department in exercising extreme care in the designing of urgently needed structures, securing the best possible results from available materials, and at the same time endeavoring to provide the required building areas.

Respectfully submitted,



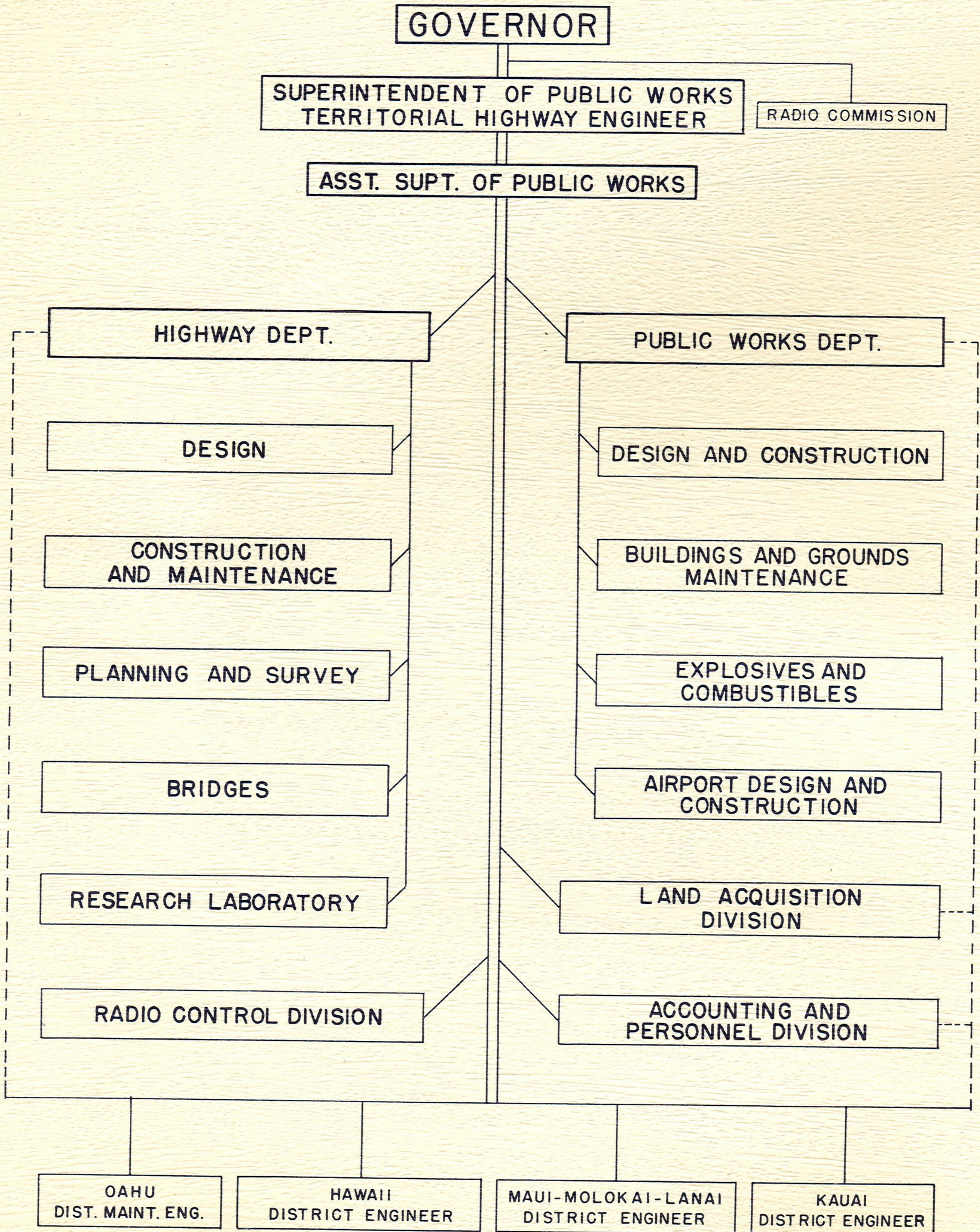
Superintendent of Public Works

July 31, 1948

TERRITORY OF HAWAII
DEPARTMENT OF PUBLIC WORKS

ORGANIZATION CHART

JUNE 30, 1948



TERRITORY OF HAWAII
DEPARTMENT OF PUBLIC WORKS

Administrative Staff

June 30, 1948

EXECUTIVE DEPARTMENT

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

HIGHWAY DEPARTMENT
DESIGN

Highway Design Engineer..... John C. Myatt

CONSTRUCTION AND MAINTENANCE

Highway Construction Engineer..... Robert W. Hendry
Maintenance Engineer (Oahu)..... Edward C. Chester
Outlying Islands..... District Engineers

PLANNING AND SURVEY

Highway Planning Survey Director..... F. Houston Wynn

BRIDGES

Bridge Design Engineer..... William R. Bartels

RESEARCH LABORATORY

Testing Engineer..... Bert K. Hirashima

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

LAND ACQUISITION DIVISION

Cadastral Engineer and Right-of-Way Agent..... T. Y. Awana

ACCOUNTING AND PERSONNEL DIVISION

Finance Executive..... Randolph M. Lee

RADIO CONTROL DIVISION

Radio Engineer..... Dai Chin Chang

DISTRICT ENGINEERS

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

GENERAL ORGANIZATION

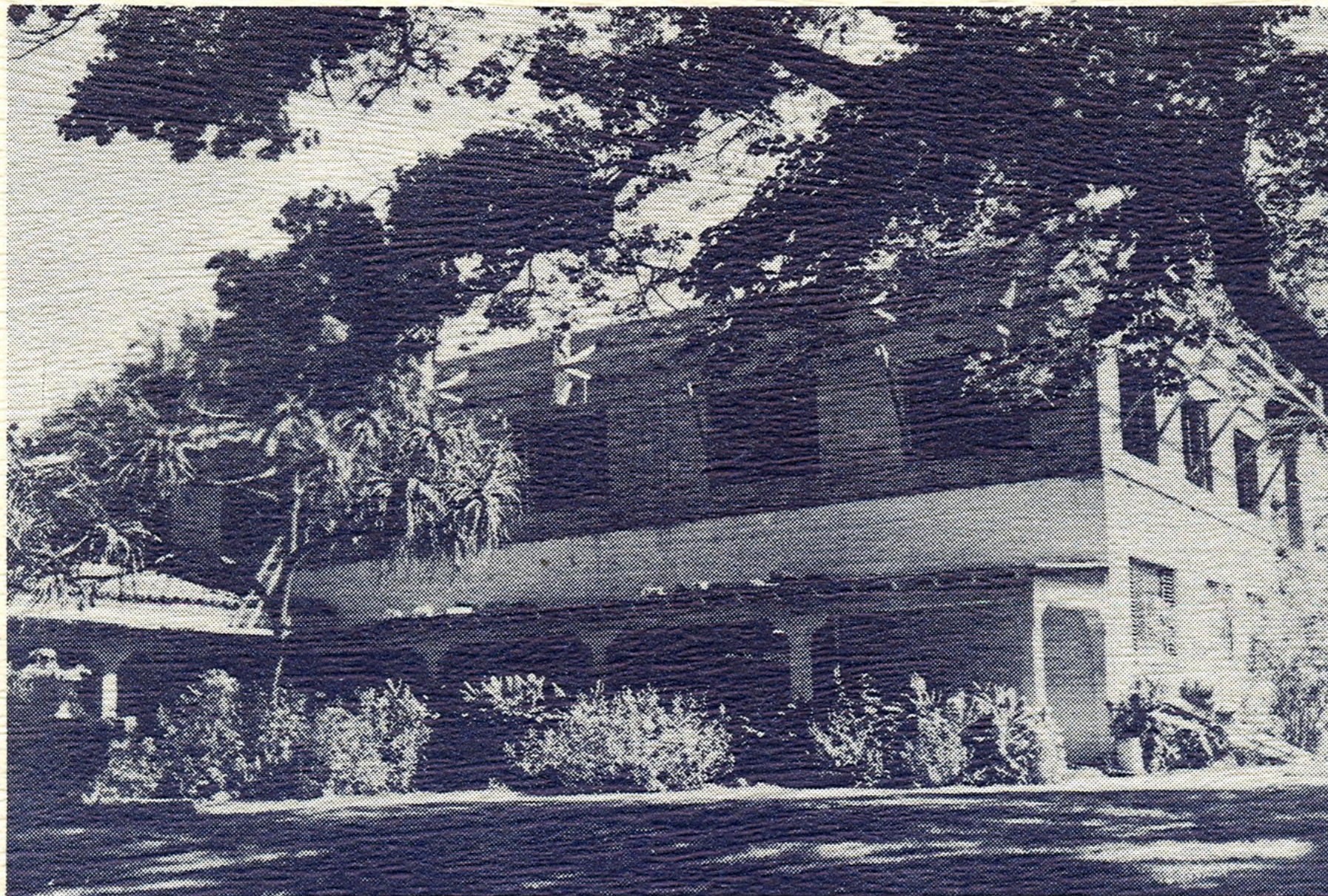
The Department of Public Works and the Territorial Highway Department are, in effect, operated together under one administrative staff.

The Superintendent of Public Works, or Territorial Highway Engineer, with the help of the Assistant Superintendent of Public Works, has general charge of all activities of both of these departments.

Both departments are served by one Accounting and Personnel staff, one right-of-way division, one materials testing division, and one landscape architect.

Stenographic work and filing are handled in one pool.

A District Engineer, assisted by a limited general staff, represents the Superintendent of Public Works in each of the outside counties; Hawaii, Maui and Kauai. These District Engineers handle the business of both departments in cooperation with the various Division heads in respect to the activities of such Divisions. The work in the City and County of Honolulu is handled directly by the general staff without the use of an intermediate district organization.



Construction Stage. Addition of second floor to Board of Agriculture and Forestry Bldg.—Honolulu, T.H.

LAND ACQUISITION

This Division handles acquisition of all property required for highways, airports, buildings and other public works. The work involves survey, title searches, computation of parcels, engagement of disinterested appraisers, negotiations, and all of the steps necessary for final transfer of title to the Territory.

With the increased tempo of construction, the work of this division has also been increased. On

one current acquisition, the Oloo-Mountain View section of the Volcano Road, a total of 240 parcels, involving 258 owners or interested parties, have to be acquired. Negotiations must be made for the removal of improvements, fruit trees, etc., and for the relocation of buildings.

Modern highway design involves many new right-of-way features, such as acquisition of direct vehicular access rights, and new appraisal procedures.

AIRPORT CONSTRUCTION DIVISION

Under terms of 1947 legislation setting up the Hawaii Aeronautics Commission, the Department of Public Works is designated as the construction agency for that commission. During the fiscal year, the Lanai Airport and Port Allen Airport paving were completed and the Kailua Airport was started. Plans

for the Lihue and Hana Airports were well advanced as the year ended.

In addition to the major construction listed above, numerous smaller contracts for painting, alteration, and restoration were handled for the Hawaii Aeronautics Commission.

DEPARTMENT OF PUBLIC WORKS STATEMENT OF CONTRACTS AWARDED *Fiscal Year 1948* AIRPORT DIVISION

Location	Type of Work	Contractor	Amount
Honolulu Airport	Painting 5 P.A.M. hangars	Gilbert D. Kobatake	\$ 6,266.35
Honolulu Airport	Removing debris of building destroyed by fire	Grimwood Enterprises	13,487.00
Port Allen Airport, Kauai	Paving Port Allen Airport	Nawiliwili Transportation Co., Ltd.	33,344.00
Lanai	Lanai Airport, excavating, grading and paving	Hawaiian Dredging Co., Ltd.	222,606.12
Honolulu Airport	Painting quonset buildings	Fisher Associates	9,285.84
Kailua, Hawaii	Excavating, grading and paving Kailua Airport	John G. Medeiros, Ltd.	271,000.00
TOTAL			\$ 555,989.31



KAUAI BELT ROAD—Typical Maintenance.

DEPARTMENT OF PUBLIC WORKS
SUMMARY FINANCIAL REPORT
RADIO COMMISSION

Fiscal Years 1946, 1947 and 1948

	1946	1947	1948	Total
Receipts				
Territorial Appropriations	\$ 46,451.00	\$ 1,729.00	\$ 54,825.00	
Total Receipts	<u>\$ 46,451.00</u>	<u>\$ 1,729.00</u>	<u>\$ 54,825.00</u>	\$ 103,005.00
Disbursements (Expenditures Paid and Obligations Incurred)				
Administration	4,818.32	4,884.96	5,184.96	
Operation and Maintenance	16,785.34	20,535.05	22,818.21	
Total Disbursements	<u>\$ 21,603.66</u>	<u>\$ 25,420.01</u>	<u>\$ 28,003.17</u>	75,026.84
Total Fund Lapses		1,156.33		1,156.33
Balance June 30, 1948				<u>\$ 26,821.83</u>

DEPARTMENT OF PUBLIC WORKS
STATEMENT SHOWING SERVICES RENDERED TO OTHER DEPARTMENTS
PAYABLE OUT OF FUNDS UNDER THEIR CONTROL

Fiscal Year 1948

Department	Total	Design and Construction	Operation and Maintenance
Attorney General	\$ 64.92		\$ 64.92
Auditing	10.25		10.25
Board of Harbor Commissioners	13,421.40	\$ 13,421.40	
Board of Health	4,390.94		4,390.94
Boxing Commission	1,912.76		1,912.76
Bureau of Sight Conservation	592.78		592.78
City and County of Honolulu	286.26	286.26	
County of Hawaii	658.37	658.37	
Department of Institutions	621.21	531.21	90.00
Department of Public Instruction	2,168.01	1,366.48	801.53
Department of Public Welfare	2,509.67		2,509.67
Fair Commission	66,390.00	66,390.00	
First Circuit Court	457.14		457.14
Hawaii Aeronautics Commission	592,553.80	592,553.80	
Hawaii Housing Authority	3,808.14		3,808.14
Hawaii National Guard	290.30		290.30
Second Circuit Court	34.66	34.66	
Territorial Employment Services	2,940.11		2,940.11
University of Hawaii	64.32		64.32
Total	<u>\$ 693,175.04</u>	<u>\$ 675,242.18</u>	<u>\$ 17,932.86</u>