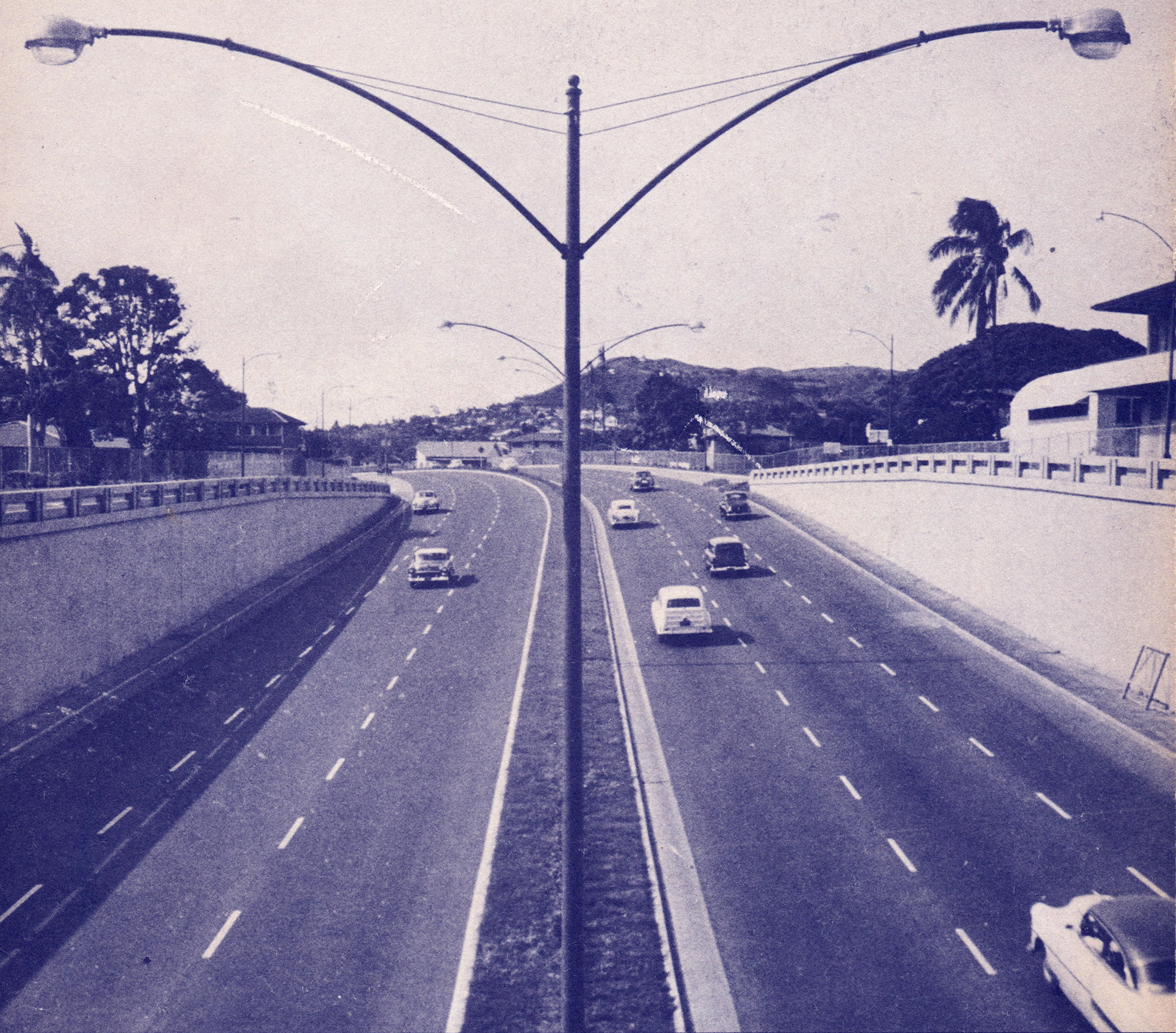


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TERRITORY OF  
**HAWAII**  
PUBLIC WORKS

YEAR ENDING JUNE 30

**1955**

TERRITORY OF HAWAII  
DEPARTMENT OF PUBLIC WORKS  
HONOLULU

June 30, 1955

Honorable Samuel W. King  
Governor, Territory of Hawaii  
Iolani Palace  
Honolulu, T. H.

Dear Governor King:

The Department of Public Works awarded construction contracts approximating \$6,344,579.39 during the fiscal year. This total was divided as follows: highways, \$3,584,309.64; general public works, \$2,496,552.74; airports, \$263,717.01.

Highlight of the year was the Legislature's enactment of measures to increase highway financing. The Legislature voted an increase of one cent per gallon in the Territorial tax on liquid fuels. It also voted a \$50,000,000 gas tax bond issue which Congress is expected to approve early in 1956.

The increase in the fuel tax will become effective July 1, 1955. It will provide a 25 per cent boost in highway financing, and permit the matching of an increase in our regular Federal-aid allocations. On Oahu the bonds will permit completion of the Nuuanu Pali highway, the Mauka Arterial (Lunalilo Freeway) and the Kalihi Valley route in five years instead of 15.

New sections of both the Pali route and the Mauka Arterial were dedicated during the year. Other highways spurred progress of the Federal-aid system on all major islands.

The accelerated highway construction program will intensify the present problem of recruiting engineers. The Department has again been unable to recruit a single engineer from the University of Hawaii's June graduating class. Our personnel section has been studying new Territorial civil service legislation to find ways to raise salaries of our engineering positions to a competitive level so we can fill our vacancies.

The largest contract awarded by the Department during the year went to Ben Hayashi, Ltd., to build the new University of Hawaii library. This \$1,261,108 contract boosted the volume of new work let by the Building Division to \$2,496,552.74, highest total since 1950.

Half a dozen airport projects were in progress under supervision of the Airport Division. Planning continued for the proposed \$4,500,000 Honolulu International Airport terminal building. As the year closed, an early settlement of the site question seemed likely.

The Department took part in the Hawaii Employment Program, Governor King's plan to ease unemployment by hiring workers from welfare rolls for needed public improvements. Between August 11, 1954, and February 28, 1955, 534 persons earned a total of \$332,111 on HEP jobs supervised by the Department of Public Works. The HEP has left its record in the form of permanent improvements on the five major islands. Some typical HEP projects included the landscaping of public buildings, highway shoulder work, and the planting of highway cuts on the Hamakua Coast to prevent slides.

Harold W. Butzine, engineer in charge of the City-County Bureau of Plans for the past six years, has been appointed Assistant Superintendent of Public Works. Mr. Butzine has had extensive background in design and construction work, both military and civil, and has excellent administrative experience in the engineering field.

Yours very truly,

*Ben E. Nutter*

*Superintendent of Public Works*

T E R R I T O R Y O F

# HAWAII

PUBLIC WORKS

**Annual Report**

SUPERINTENDENT  
OF PUBLIC WORKS

**FISCAL YEAR ENDING JUNE 30, 1955**

## ADMINISTRATIVE STAFF

Superintendent of Public Works  
and Territorial Highway Engineer

**BEN E. NUTTER**

Assistant Superintendent of Public Works

**HAROLD W. BUTZINE**

First Deputy Territorial Highway Engineer

**JOHN C. MYATT**

Building Structural Engineer

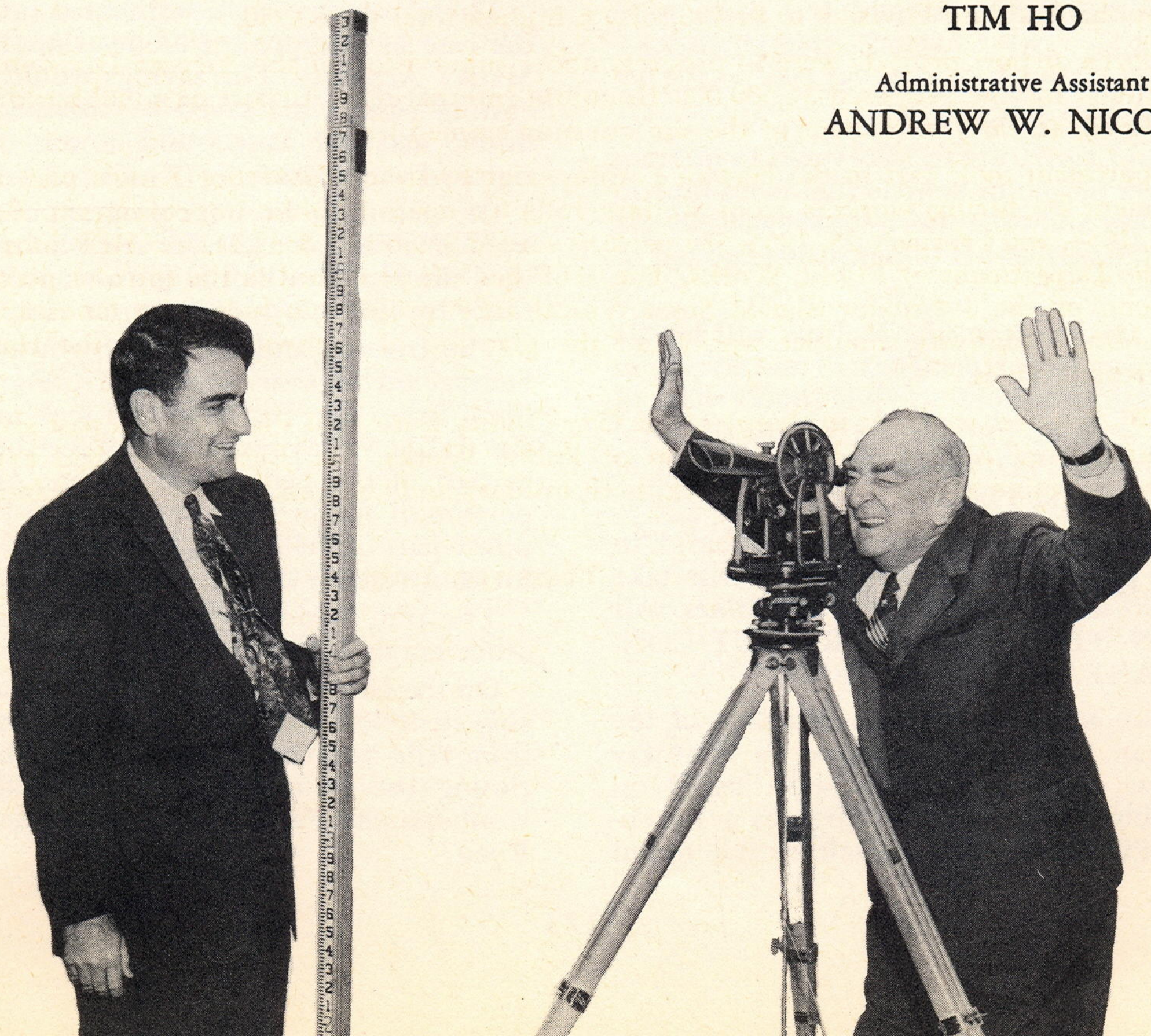
**WILLIAM S. C. PUNG**

Airport Engineer

**TIM HO**

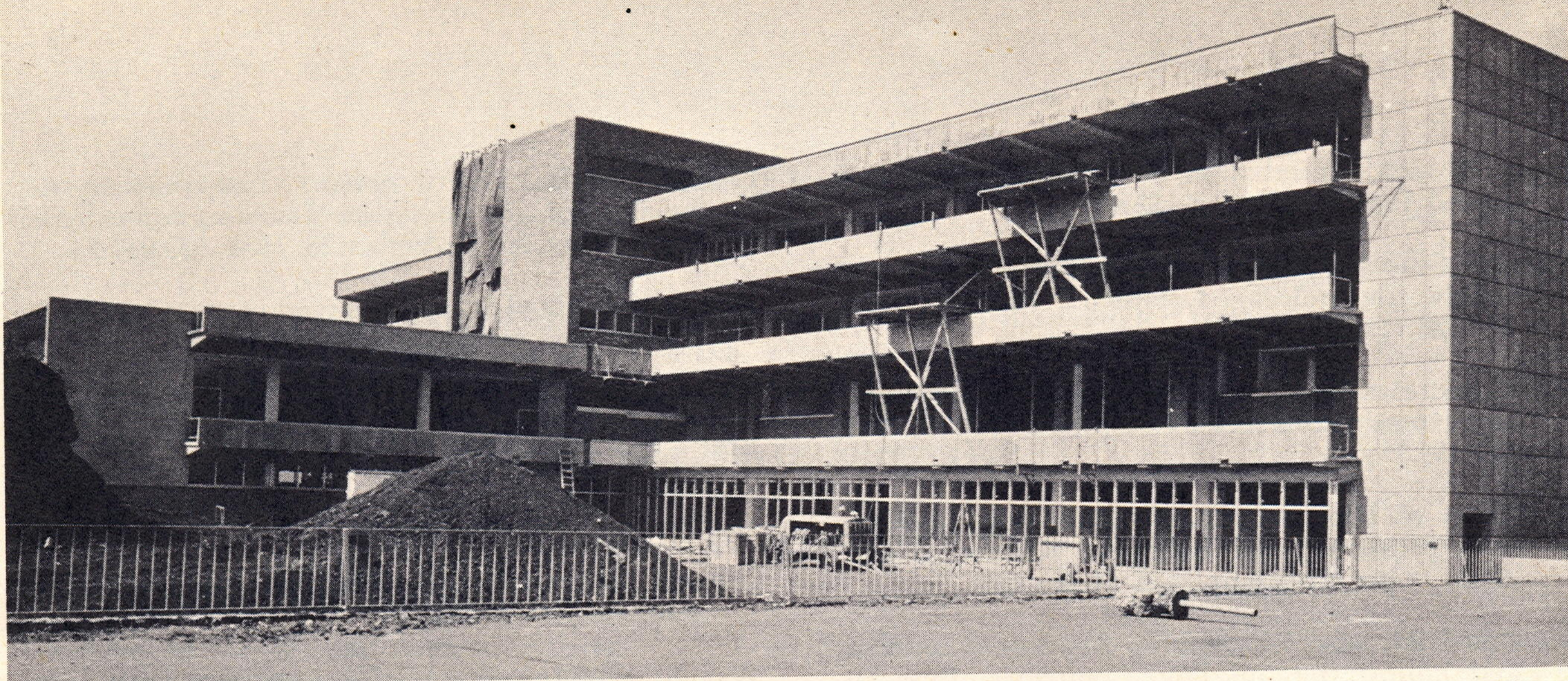
Administrative Assistant

**ANDREW W. NICOLL**



MR. BEN E. NUTTER

GOV. SAMUEL W. KING



*Lemmon, Freeth & Haines, Ltd., Architects, have provided reading lanais on the south side of University of Hawaii's new library.*

# General Public Works Increase

The Building Division awarded construction contracts totaling \$2,496,552.74 for fiscal year 1955. This total was the highest since 1950, when the contracts let by the Division totaled \$2,596,102.03.

The volume of general public works construction declined each year from 1951 to 1953. The increase in 1954 and 1955 reflected the Governor's policy of stepping up needed public projects to ease unemployment.

One project alone, the University of Hawaii's new library (pictured above), accounted for more than half of the 1955 total. This \$1,261,108 contract was about three-fourths completed at the end of the year.

The University's new Hilo branch buildings were almost completed by June 30, and were expected to be ready for the start of the school year in September.

Twenty-eight jobs, totaling more than \$3,000,000, were in progress during the year. The half-million-dollar Waimano Homes dormitory project, started in June, 1954, was nearing completion. Other important construction underway included a new Hawaii National Guard armory at Hilo and additions to Hawaii Vocational School.

The Building Division supervises construction of all non-highway public works, except airports, which are the responsibility of the Airport Division (see page 12).

The following list summarizes projects under construction in fiscal year 1955 under supervision of the Building Division. Cost figures given for completed jobs represent total payment to the contractor. Other figures are original award amounts, including extras.

## OAHU

- August Ahrens and Waipahu Elementary Schools—Lights and fencing. Completed November 15, 1954. \$18,976.63.
- Board of Agriculture and Forestry headquarters—Addition to main building. Completed April 13, 1955. \$4,917.10.
- Castle, Kahuku, Wahiawa and Waialua High Schools—Fencing of athletic fields. Completed November 30, 1954. \$18,976.63.
- Castle, Kahuku, Wahiawa, Waialua and Waipahu High Schools—Lighting of football fields. Completed February 15, 1955. \$58,973.72.
- Diamond Head School—Sewer system line. Completed September 1, 1954. \$4,065.
- Farrington High School—Swimming pool. L-shaped for 50-meter and 25-yard races. Completed July 29, 1955. \$115,989.84.
- Fort Ruger Lots Subdivision—Demolition of Battery Mills building. Completed August 10, 1954. \$11,598.80.  
Demolition of protected plotting room. Completed September 1, 1954. \$5,800.
- Keehi Industrial Lots—Extension of Kaluaopalena Street. Completed October 12, 1954. \$18,976.63.
- Kiikii-Paukaiula streams—Flood control. Dredging of sandbar and construction of groin extending 300 feet into Kaiaka Bay. Completed March 18, 1955. \$30,366.

Leahi Hospital—Installation of sprinkler system. Accepted January 10, 1955. \$5,487.

Maemae School—Cafeteria. Reinforced concrete and hollow tile building. Completed June 29, 1955. \$79,523.14.

Mailiilii Stream—Flood control. Excavation of channel and extension of seawall. Completed May 18, 1955. \$27,155.38.

University of Hawaii—Library. Three-story building with penthouse and basement. Reinforced concrete. 72 per cent completed. \$1,261,108.

Waialua High School—Cafeteria. Reinforced concrete and hollow tile building. Completed June 29, 1955. \$81,183.

Waimano Home—Five new dormitories and a new dining hall. Hollow tile. 93 per cent completed. \$490,727.

#### HAWAII

Department of Public Works Baseyard—Alterations and additions to offices and other frame buildings. Completed February 21, 1955. \$28,400.17.

Construction of roadway and parking areas. 41 per cent completed. \$6,632.40.

Hawaii National Guard Armory, Hilo—Construction of five-unit armory. Steel frame and hollow tile. Completed April 30, 1955. \$208,334.

Hawaii National Guard Armory, Laupahoehoe—Rehabilitation and alteration of existing frame building. Completed December 28, 1954. \$23,047.54.

Hawaii Vocational School—Shop and service buildings. 33 per cent completed. \$238,293.

University of Hawaii, Hilo branch—Six units. Frame buildings, corrugated iron roofs. 93 per cent completed. \$329,800.

#### MAUI

Lahaina Branch Library—Hollow tile building. 32 per cent completed. \$65,104.

Waiohulu-Keokea Beach Homesteads—Drainage system. Two 40-inch pipe culverts extending from existing pond seaward for about 250 feet. Completed March 17, 1955. \$28,201.

#### KAUAI

Hawaii National Guard Armory, Hanapepe—Alterations and additions. 64 per cent completed. \$30,408.

Hawaii National Guard Armory, Kekaha—Alterations and rehabilitation. 91 per cent completed. \$42,075.

Kapaa Branch Library—Reinforced concrete, hollow tile building. Exposed beam ceiling. Completed December 1, 1954. \$47,166.26.

Kauai Vocational School—Service station. Completed March 11, 1955. \$16,074.63.

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## Airport Contracts Show Gain

The Airport Division granted contracts totaling \$263,717.01 during the fiscal year ending June 30, 1955, as compared with \$89,504.62 worth the year before. Paving work and plane hangar construction made up most of the total.

The staff continued to work with the Hawaii Aeronautics Commission on plans for the new Honolulu International Airport Terminal building. The project was set to go under construction in February, 1955. However, military authorities asked for reconsideration of the site selected for the building.

The Division is now awaiting completion of a joint military-civilian master plan for the use of the Honolulu Airport-Hickam area. This plan will be a determining factor in settling the site question.

Airport projects under construction in the 1955 fiscal year are summarized in the following list.

Figures for completed contracts represent the total payment to the contractor. Other amounts listed are original contract award figures, including extras.

General Lyman Airport—Paved areas at freight terminal. Completed July 5, 1954. \$65,205.60.

Small plane hangar. 16 per cent completed. \$17,250.

Honolulu International Airport—Resurfacing of Runway 8-26. Completed April 27, 1955. \$7,872.86.

Small plane hangars. 75 per cent completed. \$66,670.

Lihue Airport—Alterations to roadway in front of passenger terminal. Completed March 11, 1955. \$4,790.75.

Molokai Airport—Pavement rehabilitation. Completed November 11, 1954. \$22,833.40.

## AIRPORT CONSTRUCTION

PROJECT AND LOCATION	CONTRACTOR	DATE	AMOUNT
Rehabilitation of pavement at Molokai Airport	Territorial Contractors	Sept. 13, 1954	\$ 22,833.40
Alterations to roadway at terminal building, Lihue Airport, Kauai	E. F. Nilson	Oct. 15, 1954	4,790.75
Construction of small plane hangars at Honolulu International Airport	C. W. Winstedt, Ltd.	Dec. 23, 1954	66,670.00
Resurfacing of Runway 8-26, Honolulu International Airport	Hawaiian Bitumuls Co., Ltd.	March 3, 1955	7,872.86
Construction of small plane hangar, General Lyman Field, Hilo, Hawaii	S. K. Oda, Ltd.	May 9, 1955	17,250.00
Construction of baseyard building, Honolulu International Airport	South Pacific Contracting Co., Ltd.	June 20, 1955	104,300.00
Alterations and additions, terminal building, Lihue Airport, Kauai	Maeda Contracting Co.	June 21, 1955	40,000.00
<b>TOTAL</b>			<u>\$263,717.01</u>

### Department of Highways

### FINANCIAL SUMMARY

*Fiscal Years 1953, 1954 and 1955*

	1953	1954	1955	Total
<b>BALANCE All Funds at July 1, 1952.....</b>				\$ 3,510,789.67
<b>RECEIPTS:</b>				
Territorial Appropriations.....	\$ 181,250.00	\$ 381,250.00	\$ 400,000.00	
Federal Grants.....	4,144,880.87	4,626,162.73	3,044,831.16	
Fuel Tax Collections.....	4,847,375.79	4,861,181.56	4,982,591.56	
County Contributions.....	23,550.53	49,050.07	26,317.19	
Rental of Buildings.....	62,046.88	51,189.21	46,220.25	
Sale of Condemned Improvements.....	112,288.75	47,463.00	29,190.75	
Governor's Contingent Fund.....	.....	.....	10,000.00	
Other Receipts.....	48,568.35	15,089.03	66,451.31	
<b>Total Receipts.....</b>	<u>\$ 9,419,961.17</u>	<u>\$ 10,031,385.60</u>	<u>\$ 8,605,602.22</u>	28,056,948.99
<b>Total Funds Available.....</b>				<u>\$ 31,567,738.66</u>
<b>Disbursements: (Expenditures and Obligations Incurred)</b>				
Administration.....	\$ 90,854.06	\$ 113,020.10	\$ 180,726.00	
Land Acquisition.....	1,048,779.76	1,575,765.10	1,316,253.12	
Design and Construction.....	7,917,060.64	6,927,082.74	6,405,759.04	
Operation and Maintenance.....	1,080,153.91	1,101,614.47	1,537,187.62	
<b>Total Disbursements.....</b>	<u>\$ 10,136,848.37</u>	<u>\$ 9,717,482.41</u>	<u>\$ 9,439,925.78</u>	29,294,256.56
<b>Total Fund Lapsed and Transferred.....</b>	<u>\$ 19,478.35</u>	<u>\$ 37,000.00</u>	<u>\$ 21,702.17</u>	81,180.52
<b>BALANCE All Funds at June 30, 1955.....</b>				<u>\$ 2,192,301.58</u>

Department of Public Works

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

Fiscal Year 1955

Department	Maintenance and Operation	Design and Construction	Total
Adult Probation.....	\$ 105.36	\$ .....	\$ 105.36
Board of Agriculture and Forestry.....	296.17	.....	296.17
Attorney General's Office.....	75.50	.....	75.50
Territorial Auditing Department.....	81.15	.....	81.15
Bureau of the Budget.....	49.60	.....	49.60
City and County Building Department.....	.....	317.50	317.50
Bureau of Plans, City and County.....	.....	981.53	981.53
Division of Sewers, City and County.....	.....	78,979.26	78,979.26
Fair Commission.....	35.76	.....	35.76
Fire Marshal's Office.....	193.81	.....	193.81
First Circuit Court.....	761.53	.....	761.53
Governor's Office.....	1,334.85	.....	1,334.85
Board of Harbor Commissioners.....	9,693.12	3,837.42	13,530.54
Hawaii Housing Authority.....	2,613.56	.....	2,613.56
Hawaii Aeronautics Commission.....	.....	311,236.54	311,236.54
Department of Health.....	470.74	.....	470.74
Department of Institutions.....	1,571.17	.....	1,571.17
House of Representatives.....	184.34	.....	184.34
Public Instruction.....	1,178.39	.....	1,178.39
Hawaii Irrigation Authority.....	19,534.46	.....	19,534.46
Kamehameha Day Celebration Committee.....	324.27	.....	324.27
Department of Labor and Industrial Relations.....	29,578.57	.....	29,578.57
Juvenile Court.....	623.94	.....	623.94
Honolulu Detention Home.....	414.84	.....	414.84
Land Commissioner.....	2,873.97	20,010.17	22,884.14
Land Court.....	61.25	.....	61.25
Library of Hawaii.....	528.22	.....	528.22
McKinley High School.....	117.06	.....	117.06
Secretary of Hawaii.....	8,380.44	.....	8,380.44
Territorial Senate.....	266.93	.....	266.93
Bureau of Sight Conservation.....	543.01	.....	543.01
Survey Department.....	560.68	.....	560.68
Tax Commissioner.....	2,451.01	.....	2,451.01
University of Hawaii.....	1,592.53	.....	1,592.53
Department of Public Welfare.....	12,175.49	.....	12,175.49
Territorial Archives.....	.....	30,083.21	30,083.21
Hawaiian Homes Commission.....	531.37	.....	531.37
Civil Service Commission.....	243.32	.....	243.32
<b>Total.....</b>	<b>\$99,446.41</b>	<b>\$445,445.63</b>	<b>\$544,892.04</b>

ABOUT THE COVER

**FRONT**—Lunalilo Freeway (seen here from Punahou Bridge) represents the highest standard of highway construction ever undertaken in Hawaii. This cross-town freeway is now one and one-half miles long. It will be extended to 7.5 miles under the Highway Department's five-year program.

**BACK**—Bumper-to-bumper traffic oozes along city streets. Signs of highway faults litter rural roadsides. These scenes are typical of conditions which the Highway Department hopes to "X" off the map with the help of a \$50,000,000 gas tax revenue bond issue.