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TERRITORY OF HAWAII

PUBLIC WORKS

YEAR ENDING JUNE 30, 1954

ADMINISTRATIVE STAFF
Department of Public Works
JUNE 30, 1954

Superintendent of Public Works
and Territorial Highway Engineer:
BEN E. NUTTER

First Deputy
Territorial Highway Engineer:
JOHN C. MYATT

Building Structural Engineer:
WILLIAM S. C. PUNG

Airport Engineer:
TIM HO

Administrative Assistant:
ANDREW C. NICOLL



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, 1954

TERRITORY OF HAWAII

DEPARTMENT OF PUBLIC WORKS

HONOLULU

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

June 30, 1954

Dear Governor King:

I am submitting the annual report for the Department of Public Works for the fiscal year ending June 30, 1954.

New highway contracts awarded during the year totaled \$4,672,851.63. They improved mileage on all major islands. However, our highway deficiencies are still estimated at more than \$50,000,000. With our present income (\$5,000,000 a year in Federal-aid and earmarked territorial revenues), we cannot build fast enough to keep up with the needs of traffic.

The year brought Hawaii a chance to increase its annual volume of highway construction. A new Federal law makes available to the Territory an additional \$700,000 per year in Federal-aid for highways, providing Hawaii can match this sum. The Governor plans to name a tax advisory committee on highways to study means of obtaining additional territorial matching money.

New non-highway contracts awarded during the year totaled \$1,554,995.73. The biggest contract in this category (\$490,272) was for new dormitories at Waimano Home at Pearl City, Oahu. Construction of a five-unit armory at Hilo, Hawaii, got underway. A territorial office building on Molokai and new Kapaa Branch Library on Kauai were other major projects which were started in fiscal year 1954.

Chief airport contract granted during the year was for construction of paved areas at the freight terminal building at new General Lyman Field on Hawaii. Biggest contract let for architectural or engineering services went to Theodore A. Vierra for architectural services for the new terminal building at Honolulu International Airport.

The number of contracts for architectural and engineering services for public works projects supervised by the Building Division increased from two in 1952-53 fiscal year to 10 in 1953-54, and the dollar volume went up from \$16,400 to \$73,758.

These increases reflect the fact that the Department of Public Works is, on this date, on the threshold of a greatly stepped-up program of general public works construction. As a means of easing unemployment, the Governor's Construction Priorities Committee has scheduled for 1954-55 the major portion of public works projects authorized by the 1953 Legislature.

Prospects are that the dollar volume of non-highway public works projects started in 1954-55 by the superintendent of public works will top the record-breaking total for the year ending June 30, 1949, and will set a new high.

For the sake of efficiency, there were several administrative changes. The superintendent created the position of deputy territorial highway engineer. He will serve as second-ranking highway officer in the department in matters affecting the Federal-aid highway system. The assistant superintendent of public works will dedicate his entire time to non-highway matters. The fiscal officer has been designated as the administrative assistant to the superintendent of public works, and has received broader powers.

The department has combined into one three filing systems which formerly were separate. The parking problem around the public buildings has been receiving intensive study. The department superintendent has alerted key division heads to the need for constant management improvement and has asked them to recommend any changes which might lead to more efficient operation.

Yours very truly,

Bennett E. Nutter

Superintendent of Public Works

General Public Works

The Department of Public Works awarded new contracts totaling \$1,554,995.73. for public works of a non-highway nature.

This total included \$152,504.62 in contracts to be supervised by the Airport Division, and \$1,402,491.11 worth of projects under supervision of the Building Division. The total represented a drop of \$180,449 from the previous fiscal year. Non-highway contracts have been declining in dollar volume since fiscal year 1949, when they hit the record high of \$8,091,220.

However, the number of contracts for architectural and engineering services for the Building Division increased from two in 1952-53 fiscal year to 10 in 1953-54, and the dollar volume went up from \$16,400 to \$73,758. These increases reflect the fact that the Building Division is preparing for a greatly stepped-up program of general public works construction. To ease unemployment, the Governor's Construction Priorities Committee has scheduled for 1954-55 the major portion of the large public works program authorized by the 1953 Legislature.

Biggest public works contract of a non-highway nature in fiscal year 1953 was for Waimano Home's new dormitories. The contract amount was \$490,727. Construction of a five-unit armory at Hilo, Hawaii, began. A territorial office building on Molokai and Kauai's new Kapaa branch library were other major projects started.

Projects under construction in fiscal year 1953 under supervision of the Building Division are listed below. Airport projects are discussed on the following page.

Cost figures given for completed jobs represent total payment to the contractor. Other figures are original award amounts, including extras.

OAHU

Ala Wai Retaining Wall — Repairs to waikiki side. 90 per cent completed. \$19,850.

Hale Mohalu, Pearl City — Fire sprinkler system. Completed July 13, 1953. \$14,476.

Kuhio Beach Park — Construction of a 750-foot sea wall and dredging of a swimming area. Completed July 3, 1953. \$80,147.80.

Importation of 15,000 cubic yards of sand. Completed October 2, 1953. \$35,383.35.

Marine Biological Laboratory and Aquarium — Reinforced concrete and limestone onshore unit. Completed March 3, 1954. \$322,047.96.

Public Archives of Hawaii — Reinforced concrete two-story building. Completed July 31, 1953. \$265,697.80.

Supplying of files, racks, shelves, etc. Completed March 10, 1954. \$29,641.50.

Supplying of roller sheet newspaper racks. Completed March 10, 1954. \$26,638.85.

Supplying of steel legal files. Completed May 12, 1954. \$37,183.25.

Waimano Home — Five new dormitories and a new dining hall. Hollow tile. 3 per cent completed. \$490,727.

Washington Place — Alterations and additions. Completed May 15, 1954. \$35,594.10.

Interior decoration and new furniture and fixtures. 90 per cent completed. \$40,912.72.

HAWAII

Hawaii National Guard Armory, Hilo — Five-unit armory building, structural steel, hollow tile. 15 per cent completed. \$208,442.

Hulihee Palace — Restoration, repairs and new exterior stairway. Completed December 1, 1953. \$9,320.

Puumaile Hospital — Boiler installation. Completed July 7, 1953. \$20,425.

Waimea-Kawaihae Pipeline Project — Installation of Units I and II of three units. 9,350 feet of eight-inch and 27,600 feet of six-inch pipe and three steel tanks. 99 per cent completed. \$100,000.

Installation of Unit III. Installation of 20,000 feet of six-inch pipe and one steel tank. 96 per cent completed. \$105,577.22

KAUAI

Hanapepe Health Center — One-story frame building. Completed August 26, 1953. \$29,550.04.

Kapaa Branch Library — Reinforced concrete, hollow tile building with exposed beam ceiling. 39 per cent completed. \$57,248.

Kauai Vocational School — Administration and classroom building, reinforced concrete. Completed August 19, 1953. \$99,495.09.

Two shops, machine and carpentry. Reinforced concrete. Completed July 16, 1953. \$105,410.96.

MOLOKAI

Territorial Office Building — Relocation of certain existing buildings to clear site. Completed December 31, 1953. \$6,970.

One-story, frame building with concrete floors, wood shingle roof. 29 per cent completed. \$67,282.

The Airport Division

The Airport Division supervised 12 construction projects, totaling \$992,373.78 during the fiscal year ending June 30, 1954. They advanced airport development on four islands.

The Territorial Department of Public Works is planning and construction agent for the Hawaii Aeronautics Commission.

Until the 1953-54 fiscal year, the Airport Division was chiefly concerned with runways, roads and lighting within airports, while airport structures were the design and construction responsibility of the Building Division. During fiscal year 1954, the Airport Division assumed primary responsibility for all design and construction relating to airports.

The Airport Division devoted considerable time to plans for the new Honolulu International Airport terminal. Architect Theodore H. Vierra is expected to complete plans for the terminal building in December 1954, under a \$63,000 contract.

Airport projects under construction in the 1954 fiscal year are listed below. Figures for completed contracts represent the total payment to the contractor. Other amounts listed are original contract award figures, including extras.

General Lyman Airport — Passenger terminal. Single - and multi-storied building of wood frame and reinforced concrete. Completed August 25, 1953. \$298,274.65.

Air conditioning of control tower cab. Completed August 25, 1953. \$4,493.

Tee hangar. Steel frame and corrugated iron building. Completed November 15, 1953. \$19,152.65.

Construction of paved areas at the passenger terminal. Completed January 8, 1954. \$192,813.16.

Installation of high intensity lighting system for Runway 8-26. Completed February 4, 1954. \$153,076.92

Construction of paved areas at freight terminal building. 99 per cent completed. \$71,237.50.

Honolulu International Airport — Installation of medium intensity lighting for Runway 4L and taxiways. Completed September 16, 1953. \$131,798.53.

Construction of addition to Hawaiian Airlines terminal building. Completed June 1, 1954. \$8,384.

Kahului Airport — Purchasing of runway lighting equipment. Delivered October 13, 1953. \$24,649.97.

Resurfacing of runway. Completed August 28, 1953. \$9,267.12

Kamuela Airport — Passenger and freight terminal building. One-story, wood frame building. Completed October 7, 1953. \$58,988.92.

Molokai Airport — Drainage ditches. Completed September 22, 1953. \$20,237.36.

CONTRACTS AWARDED

Fiscal Year 1954

HIGHWAY CONSTRUCTION

PROJECT AND LOCATION	CONTRACTOR	DATE	AMOUNT
Widening of Kalaniana'ole Highway, 21st Avenue to Wailupe Radio Station, F-6(17), Oahu	J. M. Tanaka	July 10, 1953	\$ 847,657.06
Construction of Kauai Belt Road, Kealia to Anahola, F-31(1)	Walker-Moody Construction Co.	July 17, 1953	593,556.00
Construction of portion of Hawaii Belt Road, South Kohala District, F-10(6)	James W. Glover, Ltd.	Sept. 14, 1953	84,749.73
Realignment of Makiki Stream, construction of part of Mauka Arterial section between Keeaumoku and Alexander, U-59(6) and F-59(2), Oahu	J. M. Tanaka	Sept. 21, 1953	83,656.08
Resurfacing of portions of Kamehameha Highway, Waiahole-Hauula section, Oahu	Hawaiian Bitumuls Co., Ltd.	Nov. 24, 1953	16,705.36
Construction of Farrington Avenue, Molokai, S-242(2)	Territorial Contractors	Jan. 5, 1954	239,240.00

ARCHITECTURAL AND ENGINEERING SERVICES — General Public Works (Continued)

PROJECT AND LOCATION	CONTRACTOR	DATE	AMOUNT
Engineering design services for Ala Wai retaining wall, Honolulu.	W. T. Spalding	Jan. 7, 1954	2,500.00
Architectural and engineering services for lights and fences at various schools	Law & Wilson	Feb. 12, 1954	11,505.00
Architectural services for an addition to Kahuku Hospital, Oahu	Morrison & Martin	Feb. 23, 1954	8,000.00
Architectural services for swimming pool, Farrington High School, Oahu	Rothwell & Lester	Feb. 23, 1954	6,000.00
Architectural services for Hilo, Hawaii, branch, University of Hawaii	Theodore A. Vierra & Ernest H. Hara	Feb. 24, 1954	16,500.00
Architectural services for cafeteria building, Waialua High School, Oahu	Charles F. Wagner	May 25, 1954	3,875.00
Architectural services for cafeteria building, Maemae Elementary School, Honolulu	Charles F. Wagner	May 25, 1954	4,000.00
		TOTAL	<u>\$73,758.70</u>

AIRPORT CONSTRUCTION

PROJECT AND LOCATION	CONTRACTOR	DATE	AMOUNT
Resurfacing of runway at Kahului Airport, Maui	Hawaiian Bitumuls Co.	July 31, 1953	\$ 9,267.12
Construction of paved areas at freight terminal building, General Lyman Field, Hawaii	James W. Glover, Ltd.	Feb. 23, 1954	71,237.50
Construction of addition to Hawaiian Airlines terminal building, Honolulu	Kaneko Contracting Co.	April 19, 1954	9,000.00
		TOTAL	<u>\$89,504.62</u>

ARCHITECTURAL AND ENGINEERING SERVICES — Airports

PROJECT AND LOCATION	CONTRACTOR	DATE	AMOUNT
Architectural services for new terminal building, Honolulu International Airport	Theodore A. Vierra	July 2, 1953	\$63,000.00
		TOTAL	<u>\$63,000.00</u>

OTHER DEPARTMENTS

PROJECT AND LOCATION	CONTRACTOR	DATE	AMOUNT
Removal of concrete structure at Fort Ruger Lots Subdivision	C. K. Buckert-Peterson, Ltd.	June 21, 1954	12,598.80
Removal of concrete structure at Fort Ruger Lots Subdivision	American Contracting Co.	June 27, 1954	5,800.00
			<u>\$18,398.80</u>

Department of Public Works
 FINANCIAL SUMMARY — PUBLIC WORKS (All Funds)
 Fiscal Years 1952, 1953 and 1954

	1952	1953	1954	Total
Balance All Funds at July 1, 1951. . .				\$3,288,442.79
<u>Receipts:</u>				
Territorial Appropriations	\$4,037,701.50	\$173,000.87	\$5,623,837.00	
Territorial Insurance Fund.			1,085.36	
County Contributions			34,012.50	
Federal Grants	29,657.15	4,455.00		
Governor's Contingent Fund.			3,925.00	
Other Receipts	468,760.58	311,944.94	328,955.41	
Total Receipts	\$4,536,119.23	\$489,400.81	\$5,991,815.27	11,017,335.31
Total Funds Available				\$14,305,778.10
<u>Disbursements:</u>				
Administration	\$ 51,317.84	\$ 53,134.39	\$ 41,959.65	
Land Acquisition	12,617.14	245,286.20	18,571.19	
Design & Construction	1,966,795.35	2,142,411.99	1,209,939.04	
Operation & Maintenance	743,528.01	801,503.88	881,536.11	
Total Disbursements.	\$2,774,258.34	\$3,242,336.46	\$2,152,005.99	8,168,600.79
Total Fund Lapsed & Transferred	\$ 25,314.43	\$ 21,648.83	\$ 896,926.41	943,889.67
Balance All Funds at June 30, 1954. .				<u>\$5,193,287.64</u>

Department of Public Works
 STATEMENT SHOWING SERVICES RENDERED TO OTHER DEPARTMENTS
 PAYABLE OUT OF FUNDS UNDER THEIR CONTROL
 Fiscal Year 1954

	Maintenance & Operation	Design & Construction	Total
Board of Agriculture & Forestry	\$	\$ 6,826.16	\$ 6,826.16
Archives . . . . .	. . . . .	65,028.15	65,028.15
Auditing Department.	277.67	. . . . .	277.67
Bureau of the Budget . . . . .	. . . . .	1,564.67	1,564.67
Civil Defense Agency	58.65	. . . . .	58.65
Fair Commission	35.76	. . . . .	35.76
Fire Marshal's Office	148.50	. . . . .	148.50
First Circuit Court . . . . .	. . . . .	1,999.70	1,999.70
Governor's Office	849.12	. . . . .	849.12
Board of Harbor Commissioners . . . . .	. . . . .	23,574.27	23,574.27
Hawaii Aeronautics Commission . . . . .	. . . . .	837,253.82	837,253.82
Hawaii Housing Authority	3,319.94	. . . . .	3,319.94
Hawaii Irrigation Authority	1,069.11	1,150.47	2,219.58
Hawaii Statehood Commission.	91.34	. . . . .	91.34
Hawaiian Homes Commission.	399.33	. . . . .	399.33
Department of Health	4,365.59	18,697.40	23,062.99
Department of Institutions.	2,814.91	. . . . .	2,814.91
Department of Instruction	1,204.65	. . . . .	1,204.65
Juvenile Court . . . . .	. . . . .	272.05	272.05
Juvenile Detention Home . . . . .	. . . . .	414.84	414.84
Land Commissioners Office.	296.62	1,477.50	1,774.12
Department of Labor & Industrial Relations	29,562.60	. . . . .	29,562.60
Land Court.	158.54	. . . . .	158.54
Library of Hawaii	625.78	. . . . .	625.78
McKinley High School	151.29	. . . . .	151.29
Territorial Planning Board	39.98	. . . . .	39.98
Secretary of Hawaii	224.73	. . . . .	224.73
Bureau of Sight Conservation	447.98	. . . . .	447.98
Supreme Court.	381.56	. . . . .	381.56
Survey Department	411.77	. . . . .	411.77
Territorial Employees' Retirement System	75.20	. . . . .	75.20
Territorial Tax Commissioner	2,126.59	. . . . .	2,126.59
Treasurer's Office	34.00	. . . . .	34.00
Veterans' Memorial Hospital, Kauai . . . . .	. . . . .	149.05	149.05
Department of Public Welfare.	13,647.66	. . . . .	13,647.66
Total	\$62,818.87	\$958,408.08	\$1,021,226.95