

IN REPLY REFER TO:

E. ALVEY WRIGHT

DIRECTOR

DEPUTY DIRECTORS

RYOKICHI HIGASHIONNA DOUGLAS S. SAKAMOTO CHARLES O. SWANSON

June 30, 1976

The Honorable George R. Ariyoshi Governor of Hawaii State Capitol Honolulu, Hawaii

Dear Governor Ariyoshi:

The Department of Transportation respectfully submits its annual report for the fiscal year ending June 30, 1976. It represents the cumulated efforts of all of the Department's employees who work to bring about a first-class transportation network. All of us are dedicated to carrying out our part in continually building a better Hawaii for her residents and visitors.

Hawaii is in the technical forefront of transportation nationally and internationally. Ours was the first State to design and build airport gate positions from the ground up to serve the jumbo jet age...the first to put marine vehicles with totally submerged hydrofoils into commercial use... the first to blast and carve a new boat harbor from a lava flow...the first to build an Interstate highway that is not interstate...the first to design and operate a prototype semi-submerged stable platform...and the first to dredge and place 18 million cubic yards of coral for an offshore reef runway for heavy aircraft.

We are not content to reflect on our firsts. The Department is studying and seeking transportation alternates and innovations that are compatible with our uniquely precious island lifestyle and still provide our people and their goods with mobility through a balanced transportation system.

With this in mind, please accept this report as both a record of the year's work and a basis for future transportation technology.

Very truly yours,

E. ALVEY WRIGHT

Director

#### HISTORY AND PRESENT ORGANIZATION

The State of Hawaii Department of Transportation exists to fulfill the State's responsibilities in providing facilities for all modes of transportation—air, sea, and land.

Hawaii's State Department of Transportation was the nation's first state-level agency to bring together under a single cabinet officer the task of planning, building, maintaining and operating airports, highways, and harbors and integrating them into a balanced transportation system.

The Department of Transportation was created by an executive order signed by the Governor on January 20, 1960, as part of the reorganization of Hawaii's government pursuant to Statehood.

The department incorporates functions of three former independent agencies--the Highway Department (originally part of the old Territorial Department of Public Works), the Board of Harbor Commissioners, and the Hawaii Aeronautics Commission.

All of the commercial airports, harbors and barge landings in Hawaii are under this single public agency, the Department of Transportation. It also administers four general aviation airports and about 20 small boat harbors. Federal aid for eligible State and County highways is administered through the Department of Transportation. At present about 975 miles of highways are maintained by the department.

The department is headed by a Director who is appointed by the Governor. It is one of 17 cabinet departments in the State government.

The three major program divisions of the department--the Airports, Highways, and Harbors divisions--are each headed by a Chief who reports to the Director.

The Director presently has a deputy director assigned to each of the functional areas of administration, design, operations and planning. Other staff officers include the departmental personnel officer, property management officer, business management officer, programs and contracts officer, planning, programming and budgeting officer, state transportation planner and departmental computer engineer.

A staff officer who occupies a special category is the assistant state highway safety coordinator. He supports the Director in the latter's role as state highway safety coordinator and chairman of the Hawaii State Highway Safety Council. The council is an advisory board to the Governor which was established by the Hawaii Highway Safety Act of 1967 to meet requirements of the National Highway Safety Act of 1966.

The State Constitution provided for a Commission on Transportation to sit in an advisory capacity to the Director of Transportation. Nine memberships are stipulated, one for each of the original senatorial districts and three for the State at large. Appointments are made by the Governor for staggered terms of four years each.

The Director of Transportation serves ex officio or by special appointment or invitation on a wide range of boards, commissions and committees.

From time to time, he has been assisted by committees appointed by the Governor for special tasks, such as the masterplanning of Honolulu International Airport.

#### AIRPORTS DIVISION

Airports Division handled almost 18 million passengers, more than 370 million pounds of cargo and nearly 73 million pounds of mail. This represents increases of 4.5 per cent in passengers, 10.8 per cent in cargo and 3.0 per cent in mail over the previous year.

Efforts continued in order to relieve the pressure on Lihue Airport, the third busiest airport in the State. The master plan for Lihue Airport calls for a larger terminal and another runway.

Preliminary planning for moving the site of Molokai Airport continued, with the preparation for selection of consultants for the project.

A noise monitoring system was installed on and near Honolulu International Airport. It will be discussed in detail in the report on Honolulu International Airport following this section.

Kentron Hawaii, consultant for the Oahu General Aviation Master Plan, continued to work for the dispersal of general aviation facilities away from congested air traffic areas of Oahu.

Another study of the entire Statewide Airports System by Kentron Hawaii was in process.

A consultant prepared detailed medical and evacuation plans for inclusion in the operations manuals of the State's individual airports.

A telex machine linking Airports Division's administrative offices to district superintendents' offices was installed.

Preparations to move Airports Division's administrative offices from the sixth and seventh floors of the Administration Building, Honolulu International Airport, to the mezzanine floors of Gates 29 and 30 in the Ewa Gull Wing, virtually were complete by the end of the fiscal year, and the move was expected to occur the second week of the new fiscal year.

The firm of Coopers and Lybrand audited the Division, closing the books August 15, 1975.

A plan for reorganizing Airports Division was submitted to the Director.

Inventory of the crash fire rescue system at the start of the fiscal year included five Ansul jeeps, seven quick-response vehicles (QRV), one 1,000-gallon crash fire truck, six 1,500-gallon trucks and one 3,000-gallon truck. By the end of the year, four 3,000-gallon trucks and one rescue truck were added.

During the fiscal year, 83 new space permits were processed and 19 leases were effected. At year's end, 278 space permits and 201 leases were in effect.

In addition, 12 rent-a-car leases were in effect in Hawaii County, as well as one airport advertising lease covering General Lyman Field, Ke-ahole, Kahului and Lihue Airports.

As of July 1975, Airports Division had 674 positions, of which 530 were existing established positions and 144 were established. Of 674 positions, 500 were occupied.

# Honolulu International Airport

Honolulu International Airport handled 11,306,443 passengers, representing a 6.96 per cent increase over the previous year. Cargo passing through this airport increased by a significant 15.7 per cent and amounted to 253,124,381 pounds. The volume of mail handled decreased by 6.1 per cent. Mail amounted to 54,235,925 pounds.

A contract was given to Ronald A. Darby and Associates to plan and design a noise monitoring system on and around the airport. The system consists of 12 to 14 remote monitoring stations at the periphery of Honolulu International Airport, supplemented by on-airport monitors. All monitoring stations report their data to a central processing center that provides a visual display of results. The center records and stores the results so that location of noise sources exceeding the prescribed threshold can be played back and pinpointed in time and space to identify the specific aircraft source.

A contract was let to EG&G Washington Analytical Services Center, Incorporated, of San Diego, California, to supply equipment for the noise monitoring system.

Contracts were let for landscaping, improving pumping of sewage, runway resurfacing and grooving, stabilizing runway shoulders, Gate 29 offices and concessions alterations, baggage claim and tenant area construction and taxiway signs.

Construction underway under contracts awarded prior to July 1, 1975 included security improvements (completed), road underpass (completed), terminal construction (completed), landscaping (completed), loading bridges (completed), reef runway sewer (incomplete), Lagoon Drive improvements (incomplete) and reef runway paving and off-shore work (incomplete).

A large-scale emergency and medical exercise was held at Honolulu International Airport. It was the culmination of the long-range program undertaken to improve detailed emergency medical plans in each of the State-operated airports' operations manuals.

Thirty one new space permits and seven new leases were processed for Honolulu International Airport and by the end of the fiscal year 132 space permits and 109 leases were in effect.

Two 3,000-gallon crash/fire trucks and one rescue truck were added to the inventory of one Ansul jeep and one quick-response vehicle.

# General Lyman Field

During the year, passengers using Hilo's General Lyman Field declined. A total of 1,286,471 passengers passed through the terminal, as compared to 1,377,276 the previous year. Cargo increased by one per cent and totalled 60,848,367 pounds over the period and mail increased by 6.2 per cent and totalled 5,855,469 pounds.

The new passenger terminal was dedicated and opened April 30, 1976, and the old one was kept in service, thus greatly enhancing General Lyman Field's capacity.

The new terminal was equipped with flight information display and signs and new furniture.

Contracts were let for grading, paving and utilities, fire hydrants, a commuter terminal and runway grooving.

Projects completed during the year under contracts signed before July 1, 1975 included a power distribution center and associated work on the new terminal.

Twenty new space permits and five new leases were processed. Forty-two space permits and 15 leases were in effect at the end of the fiscal year.

Crash/fire rescue equipment at General Lyman Field during the fiscal year included one 3,000-gallon fire truck, one 1,500-gallon fire truck and one quick-response vehicle.

# Ke-ahole Airport

The passenger count at Ke-ahole Airport was seven per cent over that of the previous year and totalled 865,961. During the year, cargo rose by one per cent and amounted to 7,484,148 pounds. Mail rose 12.9 per cent and totalled 1,822,491 pounds.

Planning for Ke-ahole Airport was minor. A ground transportation addition to the fire/rescue building was completed.

Three new space permits were processed. At the end of the fiscal year, Ke-ahole Airport had 26 space permits and seven leases in effect.

Crash/fire rescue equipment consisted of one Ansul jeep, one quick-response vehicle and one 1,500-gallon crash fire truck.

# Waimea-Kohala Airport

There was a dramatic 24 per cent (72,864) drop in passengers using Waimea-Kohala Airport. This probably was due to the completion of the excellent highway connecting Ke-ahole Airport to the visitor destinations in the vicinity of Waimea-Kohala Airport and the more frequent scheduling of flights into Ke-ahole.

No significant planning was conducted during the year, except that which related to the threat of cessation of scheduled flights into Waimea-Kohala. It was expected that the airline providing Waimea-Kohala with scheduled flight service would petition CAB for permission to terminate that service due to declining passenger loads. This is a move Airports Division will oppose.

Two new space permits and one new lease were processed during the year. At the end of the fiscal year, four space permits and two leases were in effect at this airport.

New crash/fire equipment was added. There was one 1,500-gallon crash fire truck on station during the year.

## Upolu Airport

Passengers at Upolu increased by 11 per cent and totalled 2,211. As an unattended airport, no cargo or mail were reported for the period.

An innovative airfield lighting system was completed in August, 1975. With this system, a pilot can turn on the airport lights by radio signal from his cockpit aloft, thus saving energy consumed by lighting systems which function constantly without demand.

No significant planning was conducted during the year.

There were no crash/fire equipment assigned to this unattended airport nor no new space permits or leases. One space permit was in effect.

# Kahului Airport

Passengers using the terminal at Kahului Airport rose to 2,184,495, representing a 4.9 per cent increase over the previous year. Cargo rose by 2.6 per cent to 26,738,424 pounds for the year, while mail increased 6.1 per cent to 5,985,236 pounds for the same period.

Some preparatory planning was carried out for renovation of the terminal to accommodate the heavy passenger load placed on this airport.

Improvements to the terminal building and the public parking facilities were completed in October and December, 1975.

Eight new space permits and three new leases were processed. At the year's end, 32 space permits and 29 leases were in effect at Kahului.

One new 3,000-gallon crash/fire truck was added to Kahului Airport crash/fire equipment, giving it a total of one 1,000-gallon truck, one 1,500-gallon, one 3,000-gallon truck and one quick-response vehicle.

# Hana Airport

Passenger usage at Hana Airport decreased by 2.5 per cent to 15,344. Hana recorded no incoming cargo nor mail and only 2,000 pounds of outgoing cargo and no outgoing mail.

No significant planning or construction activity was carried on during the year.

No new space permits nor leases were processed during the year. At year's end, there was one space permit, but no leases, in effect at Hana.

No new crash/fire equipment was added. One Ansul jeep comprised the crash/fire equipment.

# Molokai Airport

Passengers using Molokai Airport increased by 11.3 per cent and totalled 153,570. Cargo amounted to 2,495,000 pounds and mail to 457,000 pounds during the period, representing a gain of 22 per cent in cargo and 13.9 per cent in mail.

R. M. Towill Company was recommended as the prime consultant and Peat Marwick and Mitchell as the subconsultant for the preparation to move the site of Molokai Airport to a location better suited to today's aircraft.

Eight new space permits and one new lease were processed for Molokai. At the end of the year, nine space permits and three leases were in effect.

No new crash/fire equipment was added during the year. There remained assigned one quick-response vehicle and one 1,500-gallon fire truck.

# Lanai Airport

Lanai Airport reported 43,652 passengers, a 56 per cent increase over the previous year. Cargo amounted to 1,502,000 pounds, an increase of 15 per cent. Mail, however, declined by 6.1 per cent to 169,000 pounds.

No planning nor construction activity was carried out.

During the fiscal year, two space permits and one lease were processed. At year's end, two space permits and two leases were in effect.

No new crash/fire equipment was assigned, leaving a single quick-response vehicle as the fire equipment for the airport.

## Kalaupapa Airport

Passengers served by Kalaupapa terminal rose to 8,381, a gain of 9.3 per cent. Cargo, however, declined by 10.5 per cent. Mail also declined by 10.5 per cent. Cargo at Kalaupapa totaled 290,000 pounds and mail, 34,000 pounds.

No significant planning or construction was carried out.

No new space permits were processed and none were in effect.

No new crash/fire equipment was assigned. Its equipment consists of one Ansul jeep.

# Lihue Airport

Passenger count at Lihue Airport increased by one per cent. A total of 1,918,065 passengers passed through Lihue, making it the third busiest airport in the State after Honolulu International Airport and Kahului Airport. Cargo declined by 2.8 per cent to 14,137,515 pounds. Mail weight, however, increased by 12.7 per cent to 4,008,365 pounds.

Aware that Lihue Airport, with inadequate facilities, is handling the third heaviest passenger load in the State, Airports Division has been carrying out preparations to rectify the situation. While objections were made at a public hearing in December concerning the scope of projections, detailed planning of the runway with the FAA continued and the master plan for the new terminal proceeded, even if under a somewhat restricted projection. Objection to the Department's projects were made on the basis that by restricting airport capacity, visitor influx to Kauai could be limited.

Nine new space permits and one new lease were processed. At the end of the year, 25 space permits (plus two more for Port Allen) were in effect on Kauai. At year's end, 21 leases were in effect at Lihue Airport.

One new 3,000-gallon fire truck was added to the crash/fire equipment assigned to Lihue Airport, giving it one Ansul jeep, one 1,500-gallon fire truck, one quick-response vehicle and one 3,000-gallon fire truck.

## OAHU

# Honolulu International Airport

- Gate 29 Concession & Airports Division Office. 0-1130.
  Associated Insulation Co., Ltd. Contract awarded July 1, 1975.
  Completed April 1976.
  \$346,240.
- Construction of the Ewa Baggage Claim & Tenant Areas Main Terminal. 0-1034.
  S & M Sakamoto. Contract awarded August 8, 1975. \$308,107.
- Landscape of Ewa Service Court (Phase I). 0-1050. Taufa T. Pulu. Contract awarded November 24, 1975. Completed May 1976. \$90,886.
- Furnishing & Delivering Taxiway Guidance Signs. 0-3205. Atlas Electric Co. Contract awarded November 19, 1975. \$11,925.
- Landscape Parking Structure Entry & Bank Area. 0-1080. Hoonani Landscaping & Nursery. Contract awarded November 20, 1975. Completed April 1976. \$104,450.
- Improvement for Lagoon Drive Lease Lots Sewage Pump Station. 0-1045.
  Hi-Way Transportation & Contracting Co. Contract awarded March 18, 1976. Completed June 1976.
  \$104,111
- Resurfacing & Grooving of Runway 4R-22L. 0-2030.

  Hawaiian Bitumuls & Paving Co., Ltd. Contract awarded May 19, 1976.

  \$313,459.
- Stabilization of Runway 4L Shoulders. 0-3186.

  Hawaiian Bitumuls & Paving Co., Ltd.

  Contract awarded May 10, 1976. Completed June 1976.

  \$87,761.

## HAWAII

# General Lyman Field

- New Passenger Terminal Phase III. H-1037. Isemoto Contracting Co. Contract awarded July 17, 1975. Completed April 1976. \$2,892,404.
- Furnishing, Delivering, Installing, Testing & Maintining a Flight Information Display. H-1039. Solari America. Contract awarded July 24, 1975. \$198,862.
- Furnishing, Delivering & Installing Signs. H-1038. Isemoto Contracting Co. Contract awarded October 30, 1975. Completed April 1976. \$172,770.
- Grading, Paving & Utilities Airport Industrial Subdivision. H-1040. James W. Glover, Ltd. Contract awarded January 2, 1976. \$1,813,324.
- Furnishing & Delivering of Ductile Iron Pipes, Pipe Fittings, Gate Valver & Fire Hydrants. H-1041.

  U. S. Pipe & Foundary & Construction Materials Hawaii.

  Contract awarded February 2, 1976. Completed May 1976.

  \$87,309.
- Commuter Airlines Terminal. H-1060. Sonomura Construction Co. Contract awarded February 27, 1976. \$204,900.
- Furnishing, Delivering & Installing Furnishings. H-1090. Contract Furnishers & Interior Showplace. Contract awarded March 1, 1976. Completed April 1976. \$105,118.
- Grooving at Runway 8-26. H-2010.

  Pavement Specialists Inc. Contract awarded October 30, 1975. Completed March 1976. \$229,681.

#### KAUAI

## Lihue Airport

Restaurant Renovation. K-40.

F. T. Opperman. Contract awarded August 19, 1975.

Completed February 1976.

\$67,198.

# Kauai (cont'd)

Asphalt Concrete Runway Grooving. LHE-76-1.
Concrete Coring Co. Contract awarded February 27, 1976.
Completed May 1976.
\$54,728.

CONSTRUCTION PROJECTS UNDERWAY DURING FISCAL YEAR 1976 UNDER CONTRACTS AWARDED PRIOR TO JULY 1, 1975

#### OAHU

# Honolulu International Airport

- Airport Security Improvements. 0-102.

  M. Horita Construction. Contract awarded December 4, 1974.

  Completed July 1975.

  \$261,400.
- Worchester Road Underpass. 0-93-9(1).

  Dillingham Corporation. Contract awarded June 15, 1975.

  Completed February 1976.

  \$2,433,277.
- Construction of Miscellaneous Project for Main Terminal Building. 0-101-3(23).
  THOHT Construction. Contract awarded April 1, 1975.
  Completed May 1976.
  \$515,660.
- Landscaping Walkways & Roadways Main Terminal Building. 0-101-12(7)C. Hoonani Landscaping & Nursery. Contract awarded April 4, 1975. Completed November 1975. \$209,486.
- Lagoon Drive Sewer Line & Pump Station for Reef Runway. 0-93-8(2)R2. Hercules Construction. Contract awarded April 18, 1975. \$1,497,475.
- Improvements for Lagoon Drive & Air Taxi Lease Lots. 0-93-3.
  M. F. Williams, Inc. Contract awarded June 5, 1975.
  Completed June 1976.
  \$1,457,740.
- Paving & Offshore Grading & Drainage Reef Runway. 0-93-7(2). Dillingham Corporation. Contract awarded June 25, 1975. \$8,346,781.
- Relocating One Loading Bridge from Gate 28C to 30C. 0-112. Rigging International. Contract awarded June 3, 1975. Completed July 1975. \$18,474.

# Honolulu International Airport (cont'd)

Furnishing, Delivering, Installing & Testing Two Aircraft Passenger Loading Bridges. 0-111.

Jetway Equipment. Contract awarded May 20, 1975.

Completed September 1975.

\$257,748.

#### HAWAII

# Ke-ahole Airport

Ground Transportation Building Addition to Fire & Rescue Building & Security Controls. N-6. Constructors Hawaii. Contract awarded January 3, 1975. Completed November 1975. \$311,000.

# Upolu Airport

Airfield Lighting & Miscellaneous Electrical Works. N-8. Mid-Pac Electric. Contract awarded February 24, 1975. Completed August 1975. \$18,882.

# General Lyman Field

Furnishing & Delivering Power Distribution Center Transformer Panels, Boards & Power Cables. H-91-2(2.1)R. Atlas Electric Company. Contract awarded December 20, 1974. Completed August 1975. \$20,325.

New Passenger Terminal Phase I. H-91-2(1)R. Jas. W. Glover. Contract awarded December 19, 1974. Completed July 1975. \$815,000.

Furnishing & Delivering & Installing Three Hydraulic Passenger Elevators & Four Moving Stairs. H-91-2(4)R. Atlas Electric Company. Contract awarded December 6, 1974. Completed January 1976. \$295,244.

New Passenger Terminal Phase II. H-91-2(2)R.
Sonomura Construction. Contract awarded January 3, 1975.
Completed March 1976.
\$5,659,700.

## General Lyman Field (cont'd)

Furnishing, Delivering & Installing Seven Aircraft Passenger Loading Bridges. H-91-2(5). Jetway Equipment. Contract awarded January 9, 1975. Completed March 1976. \$1,073,745.

Furnishing, Delivering & Installing Four Baggage Claim Units. H-91-2(6)R.
Foster Equipment Company. Contract awarded April 1, 1975. Completed March 1976. \$207,172.

## KAUAI

# Lihue Airport

Miscellaneous Improvements. K-45. Kenneth Shioi & Co. Contract awarded September 27, 1974. Completed November 1975. \$137,000.

Airfield Pavement Strengthening & Related Work. K-47.

Hawaiian Bitumuls & Paving. Contract awarded June 9, 1975.

Completed September 1975.

\$1,037,745.

#### MAUI

# Kahului Airport

Improvements to Kahului Airport Terminal Building. M-66-5. Fuku Construction. Contract awarded February 14, 1975. Completed October 1975. \$421,988.

Expansion of Public Parking Facilities. M-91-3(R). Fuku Construction. Contract awarded May 27, 1975. Completed December 1975. \$125,811.

# AIRPORTS DIVISION COMBINED BALANCE SHEET June 30, 1976 and 1975

	June 30		
ASSETS:	1976	1975	
Cash	\$ 90,008,862	\$ 92,834,893	
Receivables:     Accounts and Notes, Net     Interest     Aviation Fuel Tax  Due from Airport-Airline Lessees  Due from Other Funds  Materials and Supplies, at Cost  Land, at Cost or at Value Assigned at Gran  Buildings and Improvements, at Cost  Equipment and Motor Vehicles, at Cost  Construction in Progress  Amount Available and to be Provided  for the Retirement of Bonds  Bonds Authorized, Unissued	217,783,914 5,877,971 110,509,153 296,819,500 31,722,421	111,297,373 4,498,787 166,737,413 239,136,861 49,438,948	
Deposits TOTAL ASSETS	2,983 \$788,472,321	1,075 \$686,733,856	
LIABILITIES, RESERVES, & FUND BALANCES: Liabilities:	¢ 400 050	Ċ 205 40C	
Vouchers Payable Contracts Payable Contracts Payable-Retained Percentage Due to Other Funds Salaries & Wages Payable Accrued Vacation Matured Bonds Payable Interest Payable Loans Payable to Director of Finance,	3,340,640 3,536,879 5,994 24,089 877,122 4,392,311 9,223,086	3,239,415 3,672 22,405 732,854 3,084,272	
State of Hawaii Due to Airport-Airline Lessees Tenants' Deposits	8,000,000  153,138	1,982,635 140,527	
Reserves:     Bond Requirements     Encumbrances Long-Term Debt:	24,171,879 8,360,691	22,259,177 28,355,077	
Bonds Payable Investment in Land & Fixed Assets Fund Balances	296,819,500 341,349,083 87,809,051	239,136,861 289,711,618 86,507,648	
TOTAL LIABILITIES, RESERVES, AND FUND BALANCES	\$788,472,321	\$686,733,856	

# AIRPORTS DIVISION STATEMENT OF NET REVENUE AND TAXES For the Fiscal Years Ended June 30, 1976 and 1975

	Fiscal	Year
	1976	1975
OPERATING REVENUES:		4 4 040 -0-
Aviation Fuel Tax	\$ 4,487,749	\$ 4,848,727
Concession Fees	21,283,424	19,900,711
Interest	5,197,595	5,102,300
Aeronautical Rentals	4,821,980	4,625,999
Landing Fees - Neighbor Islands	669,619	531,921
Airport Use Cnarge	11,221,122	2,735,297
Non-Aeronautical Rentals	434,522	507,738
Miscellaneous	879,604	<u>994,738</u>
Total Operating Revenues	\$48,995,615	\$39,247,431
DEDUCTIONS:		
Operating Expenses:		
Salaries and Wages	\$ 6,100,426	\$ 4,940,249
Runway Maintenance and Repairs	93,238	82 <b>,</b> 557
State of Hawaii, Surcharge on	050 225	707 010
Gross Receipts	870,327	787,012
Utilities	2,169,987	1,664,073
Other Personal Services	3,562,323	3,196,000
Materials and Supplies Department of Transportation:	601,705	520,923
Administrative Expenses	695,583	514,424
Repairs and Maintenance	913,502	853,820
Insurance	252,591	267,649
Interest	76,219	
Grants, Claims and Benefit Payments	159,454	192,495
Communication	76,381	72,525
Travel	23,793	24,187
Rent	493,195	417,425
Dues and Subscriptions	13,940	9,323
Printing and Advertising	30,025	24,257
Delivery	5,124	4,819
Miscellaneous	4,599	4,376
		<del> </del>
Total Operating Expenses	\$16,132,412	\$13,576,114
Annual Reserve Required on Major		
Maintenance, Renewal & Replacement	<b>6 600 000</b>	ć (00 000
Account	\$ 600,000	\$ 600,000
Airports System Revenue Bonds Debt Service		2 025 000
Principal	4,345,000	3,035,000
Interest	15,409,269	13,546,045
State of Hawaii, General Obligation Bonds		1 200 004
Principal	1,966,986	1,389,804
Interest	3,244,712	1,175,571
Airport Equipment and Motor Vehicles	<u>397,562</u>	113,759
	\$42,075,941	\$33,436,293
NET REVENUE AND TAXES	\$ 6,919,674	\$ 5,811,138
1 5		

#### DEPARTMENTAL ADMINISTRATION

Ryokichi Higashionna and Charles Swanson were appointed by Governor George R. Ariyoshi in June, 1975, to fill the positions of Deputy Director for Design and Deputy Director for Planning, respectively. They assumed their duties at the beginning of the 1976 fiscal year.

Functions of the Design Deputy include design and construction, the TH-3 design advisory committee, utilities environmental task force, research and development, design hearings, transportation technology, vehicle limitation and interstate matters.

The Planning Deputy's responsibilities include Departmental planning, Statewide transportation planning, the multi-modal task force, marine highway coordination and corridor hearings.

He is the Director's representative on the State Plan Policy Council and is a member of the steering committee on the carrying capacity studies. He is an alternate for the Director on the technical advisory committee to the Oahu Metropolitan Planning Organization.

In June, 1976, the Planning Deputy also was assigned authority and responsibility to direct the management of the State boating program.

These appointments bring to full compliment the number of Deputy Directors who report to State Transportation Director E. Alvey Wright. The two other Deputies are Wallace F. Aoki, deputy director for Administration, and Douglas S. Sakamoto, deputy director for Operations.

# Office of the State Highway Safety Coordinator

In June, 1975, Federal approval was received to implement the Fiscal Year 1976 annual work program. Federal funds obligated to the program consisted of \$661,198 of current and \$698,542 of carryover Federal monies to implement safety programs and projects.

Fiscal Year 1976 State projects that were approved are:

Department of Health: staff a highway safety section in the Department of Health (Federal cost: \$76,041); establish and provide emergency medical response training programs and instructors in the Counties of Hawaii, Maui and Kauai (Federal cost: \$112,132).

University of Hawaii: develop a driver traffic safety education curriculum program at the university level for driver education instructors (Federal cost: \$35,998); provide a two-week street design seminar by Northwestern University for Statewide traffic engineers (Federal cost: \$18,398).

Judiciary: provide traffic count investigative study of non-criminal driver adjudication technics and sanction designs to improve traffic violation deterrance and to reduce traffic violator recidivism (Federal cost: \$5,076); provide traffic violation adjudication educational opportunities for all State District Court judges (Federal cost: \$4,631); provide funds for computer terminals and related equipment to automate the Traffic Violations Bureau's violations records (Federal cost: \$160,741).

Department of Personnel Services: implement a driver improvement program for State employees who drive vehicles in excess of 10,000 pounds gross vehicle weight (Federal cost: 35,387).

Department of Transportation: establish procedures for analyzing computer printout data to identify and implement corrective engineering measures for identification and surveillance of accident locations and to provide a motion analyzer to obtain visual roadway information to improve identification of accident locations (Federal cost: \$21,871); develop a Statewide uniform design manual for roads and highways to be used by State and County engineers (Federal cost: \$56,280); implement a program within the Department of Transportation to provide a coordinator to administer safety projects undertaken by the Department (Federal cost: \$18,000); provide funds for selected engineers to attend Northwestern University's traffic engineering training program (Federal cost: \$2,260).

At the County level, each of the County police departments' driver licensing sections received automated driver license testing equipment (Federal cost: Hawaii - \$36,964, Maui - \$23,987, Oahu - \$122,131, Kauai - \$12,044).

The three neighbor island police departments were provided with communication lines, terminals and hardware to give the departments a real time computer imput and retrieval capability for traffic records (Federal cost: Hawaii - \$16,650, Maui - \$13,682, Kauai - \$11,779).

Each of the three neighbor island finance departments was provided with a communication line, terminal and hardware to allow the departments imput and retrieval of vehicle registration data to/from the computer on a real time basis (Federal cost: Hawaii - \$3,108, Maui - \$5,387, Kauai - \$2,094).

Also, the three neighbor island public works departments received funds to train engineers in street systems design through a seminar that was presented by the Northwestern University Traffic Institute, in conjunction with the University of Hawaii (Federal cost: Hawaii - \$567, Maui - \$612, Kauai - \$1,031).

Other projects by County are:

Hawaii County: implement a program within the Public Works Department to provide a coordinator to administer safety projects undertaken in the highway safety program (Federal cost: \$8,844).

Maui County: provide the Public Works Department County engineer with funds for road count equipment (Federal cost: \$3,595); provide funds to the County engineer for a visual record of County roads through photolog (Federal cost: \$6,520).

City and County of Honolulu: train one Police Department driver license administrator in the administration of driver licensing and examination procedures at Northwestern University (Federal cost: \$1,337); provide to the Department of Transportation Services funds to develop and execute a traffic sign replacement program in the County through the use of photolog and to provide photolog data for the sign replacement program (Federal cost: \$49,988).

Kauai County: develop a section within the Police Department that is dedicated to traffic enforcement by providing funds for wages and equipment (Federal cost: \$38,321).

The State Highway Safety Coordinator's Office succeeded in getting four legislative measures passed:

- 1. All valid United States and Canadian drivers' licenses for vehicles 10,000 pounds GVWR or less held by persons 18 years and over are valid in Hawaii until expiration.
- 2. Bicycles are redefined and interim measures are provided for minimum safety requirements for motor-powered bicycles operated on public streets.
- 3. The use of school bus signs is prohibited on a vehicle not being used as a school bus.
- 4. Drivers license category 4 (bus) is redefined to add a GVWR requirement of over 10,000 pounds.

Some important measures failed to receive approval in the 1976 session of the Legislature. These were bills relating to mandatory seat belt use, mandatory maintenance and non-removal of factory-installed vehicle safety equipment, detainment on a sliding time scale of a person found to be under the influence of alcohol and providing driver education during school hours.

The driver license committee of the State Highway Safety Council completed the inital draft of a Statewide drivers' manual.

# Statewide Transportation Planning Office

The Statewide Transportation Planning Office (STP), through the State Transportation Planner, continued to coordinate the Department's participation in the operation of the joint State/City/Federal Oahu Metropolitan Planning Organization (OMPO). STP took the lead in preparing the initial drafts of the overall work program and the activity network for the cooperative, comprehensive and continuing transportation planning program.

In a coordinated effort with the Bureau of the Census, the STP office continued its effort to finalize the updating and editing of the Geographic Base File. Nine of the twenty-nine map sheets for Oahu were updated. Work will continue in the next fiscal year to complete updating the remaining sheets following with the necessaary DIME coding, key punching, and edits.

The STP office continued as the Department's liaison office for compliance with State and Federal regulations regarding project environmental impact statements. Another activity of the STP office has been to coordinate the responses of the Department of Transportation's applications for Oahu General Plan amendments and zoning changes.

Assisting Maui, Kauai and Hawaii Counties in their public mass transportation programs, STP amended the State transit work program for an additional \$20,000 from the Urban Mass Transportation Administration. Under this program, STP assisted Maui County in the preparation of the scope-of-work for the Maui mass transit study and completed the negotiation and execution of the consultant contract between the Department and Alan M. Voorhees and Associates. A draft "request for proposal" for a Kauai mass transit study also was prepared. This latter study is expected to commence in the next fiscal year.

In another area of Federal funding to get mass transit systems operating for the people of Hawaii, STP managed the Federal funds set aside for Hawaii which were authorized under Section 16(b)(2) of the Urban Mass Transportation Act of 1964, as amended. This section of the Act provides capital assistance to private non-profit corporations for the specific purpose of assisting them in providing transportation services meeting the special needs of elderly and handicapped persons. This program has advanced to the equipment procurement phase. In retrospect, 16 vans and small buses will be delivered in the next several months to six organizations located in Oahu, Maui and Hawaii Counties.

STP again has been designated by the Governor as the agency to manage the UMTA 16(b)(2) program which will be continued under the FY's 1976 and 1977 grants. Total Federal funds anticipated is \$266,000. Action was initiated to publicize the program and to solicit applications from organizations located through the State.

Still in another area of Federal funding to get mass transit systems operating in service to the people of Hawaii, STP, on behalf of the Department of Transportation, is the implementing agency for the Rural Highway Public Transportation Demonstration Program, authorized by Section 147 of the 1973 Federal-Aid Highway Act. This program authorizes the nationwide expenditure of \$15 million for Fiscal Year 1975 and \$60 million in Fiscal Year 1976 to encourage the development, improvement and use of mass transportation systems that operate vehicles on highways for transportation of passengers within rural and small urban areas, in order to enhance access of rural populations to employment, health care, retail centers, education, and public services.

Kauai County was the only county interested in this program, but was not selected in the first go-around. STP assisted Kauai County in submitting an updated and revised proposal in the second go-around.

STP carries out, as one of its major functions, the Statewide Transportation Planning Program, as authorized by Act 179, S.L.H. 1975. The Act created a Statewide Transportation Planning Council - staffing to be supported by this office, and mandated the development of a new Statewide transportation plan by 1978. In addition, this office will be involved with determining annually, the number, size and use of transportation units of any kind throughout the State at any one time.

In July 1975, a contract was awarded to McDonald & Smart, Inc., of San Francisco to prepare the work program for the State-wide Transportation Plan. The work program was completed and adopted by the Statewide Transportation Council in December, 1975. The document produced by the consultant now is serving as the guide to produce the Statewide Transportation Plan.

On September 30, October 3, 7, and 10, 1975, a seminar on limiting numbers of vehicles was held at the Ilikai Hotel. Participation by public and private groups made the seminar a success. The proceedings of the seminar were used as the basis for the "1975 Report to the Legislature on Limiting Numbers of Vehicles."

# Planning, Programming and Budgeting Management and Analytical Office

On November 19, the Governor approved the establishment of the PPB Management and Analytical Office, in compliance with Act 185, SLH 1970 and as amended by Act 219, SLH 1974. The office is responsible for the administration and development of the Department's programs and preparation of the program and financial plans, budgetary requests and program performance reports. The office, which will be organized with three program evaluation analysts, one program budget analyst and one secretary temporarily is managed by three analytical staff members.

Major PPB activities accomplished during the fiscal year included:

1. Reviewing and updating the program structures, measures of effectiveness and program size indicators that were approved by the Department of Budget and Finance.

- 2. Administering the preparation of the Fiscal Year 1977 supplemental budget, the update of the Fiscal Years 1975-81 multi-year program and financial plans, and the Fiscal Year 1975 and Fiscal Year 1976 variance reports, which were submitted to the Eighth State Legislature;
- 3. Administering the development and preparation of the Department's financial testimony and reports to the various Eighth State Legislature committees;
- 4. Administering the development and preparation of the Department's Fiscal Years 1977-83 multi-year program and financial plans for submittal to the Ninth State Legislature.

The Departmental operating appropriations for the 1977 fiscal year total \$91,590,553. This sum includes Airports - \$47,796,753, Commercial Harbors - \$14,474,963, Small Boat Harbors - \$1,598,563, Highways and Highway Safety - \$25,802,284, and Administration - \$1,917,990.

# Property Management Office

The Property Management Office provides staff services to the Director of Transportation and to the three operational divisions in the management of revenue-producing lands and facilities under the control of the Department.

The revenue realized during the fiscal year from the occupancy of these lands and facilities are reflected below.

		AIR	HAR	HWY	TOTAL
1.	Number of leases and licenses in effect as of June 30, 1976	201	113	-	314
2.	Number of space permits in effect as of June 30, 1976	278	201	29	508
3.	Number of leases issued during the past fiscal year	19	6	2	27
4.	Number of leases to be negotiated during the coming fiscal year	21	5	-	26
5.	Number of space permits issued during the past fiscal year	83	39	9	131

		AIR	HAR	HWY	TOTAL
6.	Appropriate number of space permits to be renewed in Fiscal Year 1977	100	167	5	272
7.	Lease rentals to be renegotiated during the new fiscal year	2	6	_	8

The amount of gross revenues realized through property management totaled \$52,449,292. By Division, the breakdown is Airports - \$48,995,615, Harbors - \$3,062,802, Highways - \$390,875.

It is noted that the Highways Division staff did not conduct any auctions this past year; however, the Department of Land and Natural Resources auctioned two properties which were surplus to highway needs. The proceeds of the auction totaled \$119,000.

Two other properties with improvements thereon, a three-bedroom unit and an eight-unit apartment building, were sold to the Hawaii Housing Authority by the Department of Land and Natural Resurces for the Highways Division. The combined price was \$205,675. One remnant highway parcel was sold to an abutting owner for \$8,600. Rental Income amounted to \$390,875.

# Engineering Computer Services Office

The basic activity of the fiscal year was the bringing up to full implementation the newly-acquired computer system. Increasing emphasis also was placed on the Department's ability to carry out the fiscal activities. The coming years should see these activities more effectively supported by the edp services of this office.

At the outset of the fiscal year, the firm of Digital Equipment Corporation was awarded the contract for replacing the IBM 1130 computer system. The replacement, DEC's PDP 11/40 system, is a multi-programmable and communication supportive computer prossessing capabilities and capacities far in excess of the old IBM 1130. Since the initial delivery, two upgrades were made to increase the core and disk capacities.

Besides the computer itself, another area that was studied was that of the remote terminal. These terminals, to be located in offices away from the computer, were studied in conjunction with certain software at agencies such as Harbors Small Boats Administration, Highways Testing Lab, Department of Accounting and General Services Survey Office and the neighbor island district offices.

After several years, the Airports accounting system neared completion. Immediately after the scheduled end of the project, the use of terminal entry and inquiry will be incorporated into the system.

The software necessary to run the terminal for Harbors, as mentioned above, was completed in May. This system will allow data entry, updating and inquiry of the small boats registration file to be done on-site at the office. Previously, these tasks were being done at the ECS office in the batch mode.

Planning work for the Harbors accounting system was started in June, with the firm of Main LaFrentz & Co. selected as the design consultant. ECS will be providing the computer programming manpower and all other computer-related services. Scheduled completion of this project is July, 1977.

In the engineering area, much of the existing software is being re-written to utilize the "conversational" environment made available by the terminal-computer linkage.

## Budget and Internal Control Office

The Budget and Internal Control Office provides the Department with budget evaluation services and internal control through auditing and related activities.

The Departmental operating appropriations for the fiscal year ending June 30, 1977 total \$87,269,336. This sum includes Airports - \$43,975,878, Harbors and Boating - \$15,635,506, Highways and Highway Safety - \$25,785,307 and Administration - \$1,872,647.

## Programs and Contracts Office

Act 195, SLH 1975 appropriated \$151,837,000 for the fiscal year for the Department's Capital Improvements Program as follows:

Airports - \$ 75,963,000
Harbors - 14,767,000
Highways - 61,107,000
\$151,837,000

This office also processed 178 construction, purchasing and maintenance contracts totaling \$48.7 million. In addition 59 formal consultant contracts were processed for a total of \$7.7 million.

## Departmental Personnel Office

The Departmental Personnel Office continued to provide leadership, guidance and direction for the Department in all areas of personnel management.

As of June 30, 1976, the Department was authorized 2,067.50 positions. By fund, there were 1,398 Special and 669.50 Project positions. By Organization, there were 87.00 staff, 656.00 airports, 282.50 harbors and 1,042.00 highways positions.

Effective June 1, 1976, the personnel management specialists were assigned various functional specialties, in accordance with their training experience and areas of expertise and interest. The assignments were published in order to best utilize the time and talent of the staff and to achieve more equitable workload distribution.

During the past year, 369 positions were recruited and 573 appointments were made. The Department also participated in the Student Veteran program, under the Federally-funded Comprehensive Employment and Training Act, Title VI. The Department still has some CETA, Title VI and Title II employees working who were hired under those original programs last year.

In addition to these temporary hire programs, the Department was authorized 119 State Comprehensive Employment and Training Act positions. Of these, only 98 remain filled. Most of the participants who left the program did so because they found employment elsewhere.

The labor relations staff received and processed ten Step 2 grievances from the divisions. This number is down drastically from the 27 grievances received during the previous year.

The Airports Division had four grievances and Harbors and Highways Divisions each had three. Most of the grievances involved disciplinary actions and all of the grievances filed have been settled.

During the year, the Department labor relations staff actively participated in contract negotiations involving the HGEA, UPW and the Hawaii Firefighter Association. As a result, the staff has been able to better assist Departmental managers by being able to familiarize them in depth on contract changes and, where possible, provide them with supporting rationale.

The office handled two unusual cases during the year worth special mention. One involved an employee filing an action directly with the Hawaii Public Employee Relations Board claiming discrimination in a promotion bid. This case is considered unusual because the HPERB did not require the employee to exhaust his rights under the existing grievance mechanism before his direct appeal to the Board. Decision on the case is still pending with HPERB.

The other case received and processed to conclusion involved a complaint brought by a female employee alleging discrimination under the Federal Equal Employment Statutes. After an on-site investigation by a Federal EEO examiner from San Francisco's regional office, the case was resolved in favor of the Department.

Training programs conducted by the training staff included three sessions of the Supervisory Management Course I for 60 participants and 20 sessions of Supervisory Management Course II for 400 participants.

Sessions of SMC II were held on Kauai, Maui and Hawaii. All neighbor island supervisors now have had the opportunity to attend SMC I and II.

Jerry Matsuda, civil engineer V, Highways, presented four sessions of Meet the Public for 81 participants.

Bruce Anderson, personnel management specialist II, presented two first aid sessions and certified 19 employees. Three additional classes for 40 people also were sponsored.

Bruce Anderson developed a 12-hour standards of performance and position description writing program which was presented to 186 DOT employees with job performance review responsibilities.

Harry Myers and Anderson were trained as instructors in on-the-job training and presented programs for the Department of Personnel Services and the Department of Transportation.

Management By Objectives in the Public Sector, follow-up program to SMC I and II, has been developed by the training section for presentation to all supervisors who have completed SMC I and II. The program starts July 1, 1976 and is scheduled to end June 30, 1977.

A comprehensive Departmental safety program has been developed by the staff, which is designed to involve and produce safety awareness in every employee of the Department. Phase I of the Department of Transportation workers' compensation program, which was implemented on August 1, 1973, continues to function smoothly. Estimated savings in workers' compensation costs for Fiscal Year 1976 are again in excess of \$50,000. This accomplishment is the direct result of a constant surveillance of medical charges and attendance at every workers' compensation hearing when permanent total disability and permanent partial disability awards are involved. Constant pressure on the Attorney General's Office and the attorney of one of our employees to push a third party suit netted a return of \$29,600 which had been awarded by workers' compensation.

Phase II of the Department's workers' compensation program has been developed and will be implemented on or about July 1, 1976. The goal is to reduce the number of days employees are out on workers' compensation leave.

One hundred ninety nine cases were closed and hearings were obtained on 13 cases dating back to 1966, thus limiting the Department's liability to only the payment as determined by the permanent disability award.

# ADMINISTRATIVE DIRECTORY

Director of Transportation
Staff Officers
Departmental Personnel Officer George S. Rezents Property Management Officer
Division Chiefs
Airports
District Officers
Oahu
Airport District Superintendent
Hawaii
North Hawaii Airport District Superintendent Philip A. Sykes South Hawaii Airport District Superingendent Oswald A. Byrne Harbor District Manager Charles L. Schuster
Maui
Airport District Superintendent Percy A. Lilly Harbor District Manager
Kauai
Airport District Superintendent Ralph W. Foster, Jr. Harbor District Manager Carl A. Forsen Highway District Engineer Edwin Nakano

## DEPARTMENT OFFICES

## Departmental Administration Offices

Director
Department of Transportation
State of Hawaii
869 Punchbowl Street
Honolulu, Hawaii 96813

## Airports District Offices

North Hawaii District
Airports Superintendent
Department of Transportation
State of Hawaii
Ke-ahole Airport
Kailua-Kona, Hawaii 96740

South Hawaii District
Airports Superintendent
Department of Transportation
State of Hawaii
General Lyman Field
Hilo, Hawaii 96720

Airport District
Superintendent, Maui
Department of Transportation
State of Hawaii
Kahului Airport
Kahului, Hawaii 96732

Airport District
Superintendent, Oahu
Department of Transportation
State of Hawaii
Honolulu International Airport
Honolulu, Hawaii 96819

Airport District
Superintendent, Kauai
Department of Transportation
State of Hawaii
Lihue Airport
Lihue, Hawaii 96766

#### Harbors District Offices

Harbor District Manager, Hawaii Department of Transportation State of Hawaii Pier 1, Hilo P. O. Box 1555 Hilo, Hawaii 96720

Harbor District Manager, Maui Department of Transportation State of Hawaii Pier 2, Kahului P. O. Box 201 Kahului, Hawaii 96732 Harbor District Manager, Oahu Department of Transportation State of Hawaii 79 South Nimitz Highway P. O. Box 397 Honolulu, Hawaii 96809

Harbor District Manager, Kauai Department of Transportation State of Hawaii Nawiliwili, Kauai P. O. Box 821 Lihue, Hawaii 96766

# Highways District Offices

Highway District Engineer, Hawaii Department of Transportation State of Hawaii 50 Makaala Street P. O. Box 276 Hilo, Hawaii 96720

Highway District Engineer, Maui Department of Transportation State of Hawaii 962 Keaoolu Street Kahului Kai (NASKA) P. O. Box 38 Kahului, Hawaii 96732 Highway District Engineer, Oahu Department of Transportation State of Hawaii 727 Kakoi Street Honolulu, Hawaii 96819

Highway District Engineer, Kauai Department of Transportation State of Hawaii State Office Building 3060 Eiwa Street P. O. Box 1711 Lihue, Hawaii 96766