

**DEPARTMENT OF TRANSPORTATION**

**REPORT TO THE GOVERNOR 2004**





## Director's Message



**I**t is my pleasure to submit the Hawaii State Department of Transportation's annual report for the fiscal year ending June 30, 2004.

Our department has been very productive this year, launching a number of major projects to address Hawaii's future land, sea and air transportation needs while also diligently tending to present-day problems.

Airport security remains a top priority in the post 9/11 world. Our Airports Division continues to work closely with the Transportation Security Administration to increase security measures while maintaining efficiency at the islands' eleven airports. At the Honolulu International Airport, a new, six-lane security checkpoint is currently under construction. Scheduled for completion in FY 2005, Security Checkpoint 3 will provide the international terminal an additional high-volume passenger screening area.

Our Harbors Division continues preparations for numerous pier improvements statewide which will help to enhance the growth of Hawaii's tourism industry. Neighbor island harbor master plans for Kahului Harbor, Nawiliwili Harbor and Port Allen Harbor are also being updated to the year 2025.

Highway improvement projects are also underway in various phases statewide to assist the growing number of motorists on state roads. On Oahu, these projects include the widening of the H-1 Freeway Waimalu Viaduct, the widening of Fort Weaver Road in Ewa Beach and the construction of the North-South Road in Kapolei. On Kauai, traffic congestion is also being improved with such projects as the Kapaa Temporary Bypass Road, the Puhi Temporary Bypass Road and contra-flow operations between Hanamaulu and Wailua, among others. The widening of Mokulele Highway from two to four lanes from Kuihelani Highway to Piilani Highway is just one of many projects also in progress to help to ease traffic on Maui. Plans for the Big Island include the widening of the Queen Kaahumanu Highway to four lanes from Henry Street to the Kealakehe Parkway and numerous other projects (detailed within) to help keep commuters on the move.

The Hawaii State Department of Transportation continues its commitment to safe and efficient modes of transportation in our Aloha State.

Mahalo nui loa,

A handwritten signature in black ink, which appears to read "Rodney Haraga". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Rodney K. Haraga  
Director

# Airports Division

The statewide airport system consists of eleven airports serving commercial airlines and general aviation flights, and four airports serving general aviation flights only. In Fiscal Year (FY) 2004, statewide airports handled 31,052,561 passengers, a 2.7 percent increase compared to the previous year.

Security issues remain a primary concern in this post 9/11 era. The Transportation Security Administration (TSA) and the Airports Division are planning the re-configuration of the passenger screening checkpoints at Honolulu International Airport. In April 2004, the TSA approved the layout of six permanent lanes at Security Checkpoint 3, which is currently under construction. The new Security Checkpoint, scheduled for completion in FY 2005, will create a more efficient security screening area for travelers. There are also plans to reconfigure the baggage screening area in the ticket lobbies to meet new security requirements.

The Airports Division ended fiscal year 2004 with slight increases in total passenger activity (2.3%) and deplaning international passengers (1.7%), over FY 2003. However, aircraft operations, landed weights, and revenue passenger landings decreased by 4.6%, 2.5% and 5.6%, respectively, compared to FY 2003.

Aircraft operations were lower due to Aloha Airlines, Inc. and Hawaiian Airlines, Inc. significantly reducing inter-island flights and carriers from Japan reducing flight schedules. Although passenger enplanements increased, landed weights decreased due to some airlines phasing out heavier aircraft (such as DC-10s and 747s) and replacing them with smaller aircraft (such as Boeing 767-300s).

To encourage more direct flights from Honolulu, the DOT implemented an Air Carrier Service Incentive Program in FY 2004 to attract new non-stop flight service to and from the Honolulu International Airport. The incentive program which granted landing fee credits, provided airline carriers an opportunity to promote Hawaii as a more profitable desti-

nation. Delta Airlines, Inc. added flights from Cincinnati to Honolulu and Atlanta to Honolulu, and China Airlines, Ltd. added flights from Taipei to Honolulu. The airlines are continuing to reduce costs by utilizing lighter, more fuel efficient aircraft and reducing the frequency of flights to increase passenger load factors. As a result, landing fees, net of aviation fuel tax credits, decreased by \$1.1 million or 3.1% compared to FY 2003.

The majority of operating revenues at the Airports Division is activity-based and directly related to the number of passengers and the level of aircraft operations.



View of Administrative Tower and Pagoda Garden at Honolulu International Airport

The financial results for FY 2004 were significantly affected by a decrease in concession revenue and interest income and the continued impact from the events of September 11, 2001. As a result, net assets decreased by \$17.8 million for FY 2004, compared to an increase of \$1.5 million for FY 2003.

Concession revenues decreased by \$17.1 million primarily due to the withdrawal and settlement agreement with the DFS Group L.P., which lowered the minimal annual guarantee rent. Non-operating revenues decreased by \$11.9 million mainly due to the decrease in interest income as a result of the

nominal rate on cash investments. As a result, operating revenues amounted to \$214.9 million, \$22.1 million less than FY 2003.

To address the large anticipated revenue shortfall, the Airports Division implemented a financial management plan to monitor monthly expenditures. The Airports Division restricted Legislative appropriations by \$16 million or 10% for planned expenditures. Quarterly meetings were held to review the financial performance of the airports and to forecast revenue and expenditures for personnel, special maintenance, and capital projects for the following quarter. District airport managers were given budgetary financial data along with financial forecasts, granting them the flexibility to oper-

ate their airports within financial constraints. To attract new direct flights from destinations not served by some carriers, the Airports Division created a new airline incentive for Honolulu International Airport – a first for the State of Hawaii. The incentive provided the airline station managers an opportunity to promote Hawaii as a profitable destination.

Other sources of revenues such as landing fees and aeronautical/non-aeronautical rentals appear to have stabilized.

The events of September 11, 2001 have had a significant adverse impact on security and insurance costs. Post-9/11 costs for security and insurance have increased by an average of \$10.8 million and \$1.7 million per year, respectively.

During FY 2004, the Airports Division regained its eligibility for federal discretionary grants. The Airports will use the federal grants to replace and maintain equipment and facilities at the various airports while using only 5% to 25% in State matching monies.

Beginning October 1, 2004, Passenger Facility Charges (PFC) were implemented, creating another source of funding for FAA-approved airport capital projects. The Division will impose a \$3.00 PFC for all overseas and international passengers boarding at Honolulu International Airport, Kahului Airport, Kona International Airport at Keahole and Lihue Airport. The PFC is projected to generate approximately \$18 million per year.

The Airports Division issued \$80.9 million in Airports System Revenue Bonds, Refunding Series of 2003 to refund \$80.3 million of Refunding Series of 1993 bonds still outstanding. The Refunding Series of 1993 bond carried a fixed rate of 6.05% to 6.45% while the Refunding Series of 2003 had an initial rate of 2% per annum through June 30, 2004, and a fixed weekly rate thereafter. In January 2005, the outstanding balance of \$69.3 million of the Series of 2003 will be redeemed, resulting in a reduction in the annual debt service requirement for FY 2006.

All these factors, including qualifying for additional sources of funding from federal discretionary grants, implementing the PFC to fund certain airport improvement projects, converting from higher

variable rate bonds to lower rate bonds, reducing expenditures via budget restrictions, and instituting financial performance reviews, contributed to the upgrade of the outlook for Hawaii's airports (from negative to stable) by the major bond rating agencies (Standard & Poor's Corporation and Moody's Investors Service). The future financial outlook for the Airports Division remains optimistic and healthy.

**Honolulu International Airport** continues to be the State's busiest airport with an annual passenger traffic count of 18,877,076, a slight decrease of -1.0% in FY 2004 compared to FY 2003. Work has been completed on the strengthening of the "Wiki Wiki" bus infrastructure and on improvements to public restrooms in the main terminal and concourses. Construction is on-going for the Phase II improvements to the Overseas Terminal. This project will renovate the terminal by improving high profile concession spaces and creating a new security checkpoint.

#### Honolulu International Airport

Fiscal Year	Passengers	Change
2004	18,877,076	-1.0%
2003	19,060,548	-0.7%
2002	19,202,734	-13.5%
2001	22,197,793	-3.6%
2000	23,029,937	3.4%

**Kahului Airport** is the second busiest airport in the State, with 5,436,946 passengers in FY 2004, a slight increase of 0.9% compared to FY 2003. Construction started on Phase 1a of ticket lobby improvements to create a more efficient lobby area and construct additional counter and baggage handling spaces. This should enable the airport to better accommodate mainland flights.

Kahului Airport has been the beneficiary of the U.S. visa policy that permits Canadian passengers on direct flights to obtain pre-clearance from immigration and customs.

**Kahului Airport**

<b>Fiscal Year</b>	<b>Passengers</b>	<b>Change</b>
2004	5,436,946	0.9%
2003	5,386,688	0.1%
2002	5,380,751	-12.7%
2001	6,161,475	1.0%
2000	6,100,969	4.2%

**Lihue Airport**

<b>Fiscal Year</b>	<b>Passengers</b>	<b>Change</b>
2004	2,522,191	0.1%
2003	2,524,432	-1.5%
2002	2,563,695	-9.2%
2001	2,823,056	-1.4%
2000	2,864,194	6.4%

Traffic at **Kona International Airport at Keahole** increased 1.2% to 2,601,508 in FY 2004 over the previous year, making Kona International Airport at Keahole the third busiest airport in the State. Construction was recently completed on fixed based operator lots and the supporting infrastructure. This project was designed to address the high demand for general aviation facilities.

**Kona International Airport at Keahole**

<b>Fiscal Year</b>	<b>Passengers</b>	<b>Change</b>
2004	2,601,508	1.2%
2003	2,571,730	2.6%
2002	2,506,733	-9.9%
2001	2,780,813	0.2%
2000	2,775,722	5.0%

**Lihue Airport** is the fourth busiest airport in the State, with 2,522,191 passengers in FY 2004, a slight increase of 0.1% compared to Fiscal Year 2003. At Lihue Airport, construction is on-going for Phase II of the general aviation site preparation project. When completed, this project will create a general aviation apron for future development and additional revenue.

**Hilo International Airport** traffic decreased to 1,184,171 passengers in FY 2004. At Hilo International Airport, construction was recently completed on the terminal roof replacement project. Also completed was a noise attenuation project at Keaukaha Elementary School, which should enable the students and facility at Keaukaha Elementary to work in a quieter environment.

**Hilo International Airport**

<b>Fiscal Year</b>	<b>Passengers</b>	<b>Change</b>
2004	1,184,171	-9.7%
2003	1,311,531	-5.9%
2002	1,394,152	-11.1%
2001	1,568,165	-2.6%
2000	1,610,368	4.3%

**Molokai Airport**

<b>Fiscal Year</b>	<b>Passengers</b>	<b>Change</b>
2004	198,309	1.3%
2003	195,809	-10.6%
2002	218,913	-7.8%
2001	237,482	-10.2%
2000	264,350	-0.6%

## Kapalua Airport

Fiscal Year	Passengers	Change
2004	100,117	11.2%
2003	90,058	16.1%
2002	77,5880	-34.8%
2001	119,038	-5.3%
2000	125,733	-10.8%

## Lanai Airport

Fiscal Year	Passengers	Change
2004	106,524	-13.8%
2003	123,532	-16.7%
2002	148,300	-1.1%
2001	149,974	-10.0%
2000	166,568	-7.2%

Airport	Cargo (tons)			Mail (tons)			Operations		
	FY2004	FY2003	% Change	FY2003	FY2004	% Change	FY2003	FY2004	% Change
<b>Honolulu International (HNL)</b>	352,205	404,537	(12.9)	83,449	82,555	(1.1)	310,986	307,507	(1.1)
<b>Kahului (OGG)</b>	41,751	35,696	17.0	9,946	9,730	(2.2)	155,727	151,899	(2.5)
<b>Hilo International (ITO)</b>	20,931	22,189	(5.7)	1,353	1,613	19.2	102,948	98,918	(3.9)
<b>Kona International at Keahole (KOA)</b>	25,672	22,808	12.6	4,400	4,686	6.5	123,651	122,854	(0.6)
<b>Lihue (LIH)</b>	14,537	13,456	8.0	1,366	2,112	54.6	98,644	101,386	2.8
<b>Lanai (LNY)</b>	877	733	19.6	9	93	933.3	10,188	8,614	(15.4)
<b>Molokai (MKK)</b>	1,388	1,253	10.8	0	82	100.0	42,434	38,962	(8.2)
<b>Waimea (MUE)</b>	5	3	66.7	81	269	232.1	2,430	3,232	33.0
<b>Hana (HNM)</b>	96	62	54.8	0	0	0	6,070	6,228	2.6
<b>Kalaupapa (LUP)</b>	226	182	24.2	3	9	200.0	5,080	4,670	(8.1)
<b>Kapalua (JHM)</b>	801	535	49.7	0	0	0	6,516	6,548	0.5
<b>Totals</b>	458,489	501,454	(8.6)	100,607	101,149	0.5	864,674	850,818	(1.6)

# Harbors Division

**H**awaii's system of commercial harbors consists of 10 harbors on six islands. The system plays a vital role in the State's economy as Hawaii imports about 80 percent of what it consumes, of which, approximately 99 percent enters the state through the commercial harbor system.

In Fiscal Year (FY) 2004, commercial harbor facilities accommodated 1,322,370 cruise ship passengers compared to 1,638,856 in FY 2003. The drop in FY 2004 was primarily due to a reduction in passenger ships by Norwegian Cruise Lines (NCL).

Harbor master plans provide an overview of Hawaii's commercial harbor system, facilities, operations, growth projections and projected needs.

The harbor master plans for Kahului Harbor (Kahului Harbor Commercial Harbor 2025 Master Plan) and Nawiliwili and Port Allen Harbors (Kauai Commercial Harbors 2025 Master Plan) are in the process of being updated.

There is also an ongoing joint Federal-State effort to assess the feasibility of navigational improvements at Kawaihae and Nawiliwili Harbors.

Security projects remain a high priority with the Harbors Division. These projects include the perimeter fencing, barricades, bomb blast abatement, and video monitoring. The Harbors Division was successful in securing federal funds to offset some of the expense of these improvements. The majority of funding, however, has come from the Harbors Special Fund.

## Honolulu Harbor

**Honolulu Harbor** is the hub of the state harbor system and most of the State's cargo passes through Honolulu.

The harbor accommodated 352,881 cruise ship passengers during FY 2004 compared to 441,176 during FY 2003.

In order to meet the increased demand for passenger terminal space, the Harbors Division will be constructing a new cruise ship terminal at Pier 2, Hono-

lulu Harbor. The terminal will be large enough to accommodate the 965-foot "state-of-the-art" cruise ships that are currently docking in Hawaii. Construction for the terminal is scheduled to begin in April 2005 and should be substantially completed by the end of 2005, when the third Hawaii home ported cruise ship is expected to begin service.

To ensure that the operational capabilities of the harbor are maintained, \$3 million has been encumbered for special maintenance projects. Major special maintenance projects undertaken during FY 2004 included repairs to pier structures; repaving of container yards; repairs to water, sewer and electrical service; renovation and repair of buildings, including roofing and repainting; improving restroom facilities; installing enhancements for harbor security; and making building modifications for ADA compliance.



View of Aloha Tower Marketplace at Honolulu Harbor

## Kalaeloa Barbers Point Harbor

**Kalaeloa Barbers Point Harbor** is the second busiest harbor in the State system. To improve harbor capacity there is a major joint Federal/State planning project underway to study the feasibility of deepening Kalaeloa Barbers Point Harbor. This project will deepen the turning basin and widen and deepen the entrance channel to the harbor.

To ensure that the operational capabilities of the harbor are maintained, \$54,000 was encumbered



for special maintenance projects. One of the major special maintenance projects undertaken during FY 2004 included waterline repairs.

### **Kewalo Basin**

\$300,000 was encumbered in FY 2004 for special maintenance projects for repairs. Improvements were made to the electrical system and the harbor office was modified to install an emergency exit.

### **Kahului Harbor**

**Kahului Harbor** is the third busiest harbor in the state system in terms of traffic and the busiest of the neighbor island harbors.

In FY 2004, Kahului Harbor accommodated 228,799 cruise ship passengers over FY 2003's 241,530 passengers.

A total of \$350,000 was encumbered for several major special maintenance projects for FY 2004. Some of the major special maintenance projects undertaken included pier structure repairs, container yard paving, and the repair and upgrade of buildings, restrooms, and utility facilities. Funds were also expended to ensure compliance with U.S. Coast Guard environmental regulations.

### **Kaunakakai Harbor**

\$190,000 was encumbered in FY 2004 for a special maintenance project to repair the pier deck, maintain the fendering system and maintain the causeway at **Kaunakakai Harbor**.

### **Hilo Harbor**

**Hilo Harbor** is the Big Island's busiest port and is second only to Honolulu as a port of call for cruise vessels. In FY 2004, Hilo Harbor accommodated 372,418 cruise ship passengers, compared to 487,325 the previous year.

To ensure that the operational capabilities of the harbor are maintained, \$510,000 was encumbered for special maintenance projects. Major special maintenance projects undertaken during FY 2004

included pier structure repairs; building and electrical system repairs; building modifications for ADA compliance; and harbor security enhancements. Funds were also used to ensure compliance with the U.S. Coast Guard environmental regulations.

### **Kawaihae Harbor**

\$125,000 was obligated for special maintenance projects at **Kawaihae Harbor** including pier and building structure repairs.

### **Nawiliwili Harbor**

In FY 2004, **Nawiliwili Harbor** accommodated 368,272 cruise ship passengers, compared to 468,825 the previous year.

\$464,000 was encumbered in FY 2003 for special maintenance projects, which included pier and building structure repairs; building modifications for ADA compliance; and harbor security enhancements. Funds were also used to ensure compliance with U.S. Coast Guard environmental regulations.

### **Port Allen Harbor**

**Port Allen Harbor** is located on the south end of Kauai approximately 11 miles from both Nawiliwili Harbor and Lihue Airport.

\$154,000 was encumbered in FY 2004 for special maintenance projects to cover the repair and upgrade of the existing cargo landing shed.

### **Kaumalapau Harbor**

The State's newest harbor is **Kaumalapau Harbor** on the island of Lanai. This harbor is located on the southwest coast of Lanai and is the island's sole commercial harbor. There is a major project underway, overseen by the U.S. Army Corps of Engineers, to modify and repair the existing breakwater. This project is needed to reduce wave action in the harbor, thereby increasing harbor safety and usability. The U.S. Army Corps of Engineers awarded the construction contract and project work began this summer.

# Highways Division

**T**he Highways Division manages approximately 2,470 lane miles of highways on six islands. The Division continues to improve safety and increase capacity on the state highways to the extent feasible with the available resources and staff.

Statewide, efforts to involve all segments of the public in highway planning will be intensified this year. DOT intends to host two rounds of nine neighbor island public meetings to gather input to aid in the development of the Fiscal Year (FY) 2006-2008 Statewide Transportation Improvement Program (06 – 08 STIP). To better inform, educate and involve the public, the first series of meetings will be to introduce and gather comments about an unconstrained 06 – 08 STIP. A second round of meetings will be held to report back on how the Department went about constraining the 06 – 08 STIP based on input received during the earlier public meetings.

On Oahu, the Highways Division will bid Phase-1A of the North-South Road in Ewa for the first segment between the Kapolei Parkway and Interstate H-1 Freeway to help ease congestion along Fort Weaver Road and to provide access for future developments in the area in early 2005. The division is also widening Fort Weaver Road from four to six lanes between Farrington Highway and Aawa Drive to improve traffic flow. Preparation of design-build plans to widen this stretch of Fort Weaver Road is underway.

A contract for the \$55 million westbound widening of the Interstate H-1 Freeway between Kaonohi Street and the Pearl City Off-Ramp was awarded in June 2004 and construction is expected to be completed in June 2006.

Planning studies continue on ways to improve traffic flow along the Interstate H-1 Freeway. Included are improvements to the Waiawa Interchange and eastbound improvements between the Waiiau and Halawa Interchanges. In urban Honolulu, the division is continuing a demonstration study to improve the westbound freeway at the Lunalilo Street On-Ramp and Vineyard Boulevard Off-Ramp. A final decision on making the diversion permanent is pending the completion of community surveys, traffic and travel time counts, and other data

analysis. The division is also studying the feasibility of other projects to improve eastbound traffic flow along the H-1 Freeway between Middle Street and the University area. This includes the possibility of installing another eastbound lane between the Kalihi Interchange and the Vineyard Off-Ramp, and designing the addition of another lane between the Liliha Street On-Ramp and the Pali Highway Off-Ramp.

The Halawa-Luluku Interpretive Development Office (HLID) under the Office of Hawaiian Affairs (OHA), in cooperation with the Highways Division, is continuing community outreach and planning work related to the H-3 Interpretive Development Plan (IDP). The IDP will address the interpretation, maintenance, and appropriate treatment of various archaeological sites and artifacts that were impacted by the construction of the Interstate H-3 Freeway in the Halawa and Haiku Valleys. HLID recently conducted a series of public meetings and is currently working on the Strategic Plan to develop general themes and to provide recommendations for the IDP.

The first phase of the Freeway Management System (FMS) for the Interstate H-1, H-2 Freeways and Moanalua Freeway is currently in the design stage. The FMS will be implemented in six phases and create a freeway incident management program and traveler information system; vehicle detectors, closed-circuit TV and dynamic message signs will be installed and joined, together the City & County of Honolulu Traffic Surveillance System and portions of the Interstate H-3 Tunnel Surveillance System. Deployment of freeway service patrols is scheduled to begin in 2005 and development of a business plan for implementing Level 1 of the Federal Motor Carrier Safety Administration Commercial Vehicle Information Systems and Networks is in-progress. These projects, through the Oahu Metropolitan Planning Organization's (OMPO) Intelligent Transportation Systems (ITS) Task Force, were coordinated with OMPO's effort to finalize the Oahu ITS Architecture Plan, ITS Integration Strategy Plan and Concept of Operations Plan. OMPO's effort establishes a framework for planning, designing, implementing, integrating, and deploying ITS systems covering highways on Oahu.

On the island of Hawaii, several bridge seismic retrofit projects are either ongoing or have been completed. The widening of the Queen Kaahumanu Highway to four lanes from Henry Street to the Kealahoe Parkway will be bid as a design/build contract in February 2005. Planning studies are continuing on the Waimea Bypass and have started on the Kawaihae Bypass. A smaller planning study to improve the Waiaka Stream Bridge and approaches at the Kawaihae Road/Kohala Mountain Road intersection continues. The project will help to increase safety through the area.

The \$21 million Kealakaha Stream Bridge replacement project, using segmental bridge construction, will be advertised with the bid opening scheduled for January 2005.

The ADA compliance project for the Honokaa-Waipio Road and Akoni Pule Highway in the towns of Honokaa, Kapaau, and Hawi will be bid towards the end of 2004.

Twenty-one miles of the Queen Kaahumanu Highway from Hapuna to Kona Coast State Park were resurfaced. Intersection improvements at the Route 11/Huina Road, Route 11/Hualalai Road, Route 19/Kona Police Access Road, and Route 270/Puukohola Heiau National Historical Site intersections were also completed.

On Maui, the design and construction of Puunene Avenue and Mokulele Highway widening from two to four lanes from Kuihelani Highway to Piilani Highway continues. The project is being constructed in 5 phases. Design for Phase IC, Maui Humane Society to Vicinity of Kolaloa Bridge, is nearly completed and bidding was scheduled for mid-2005. Construction for Phase IB, Vicinity of Kolaloa Bridge to Vicinity of Kealia Pond Driveway will begin June 2005. Design for Phase 1A, Vicinity of Kealia Pond Driveway to Piilani Highway is being completed and bidding is scheduled for late 2005.

Construction for the first phase of Haleakala Highway widening between Hana Highway and North Fire Break Road was completed. Construction of the second phase is expected to begin in 2006 and be completed in 2007, at which time the morning contra-flow will likely be discontinued.

Bid opening for the first phase of Lahainaluna Road to Keawe Street Extension is scheduled for March 2005.

In Paia, DOT is studying ways to improve traffic flow along Hana Highway. An interim improvement to provide an alternative route for right turning traffic from Hana Highway onto Baldwin Avenue will be put out to bid upon completion of the Maui County's Environmental Assessment in 2005. The alternative route will be used on weekdays during afternoon peak traffic hours and is a cooperative effort between the state, Maui County and Alexander & Baldwin Properties.

The Final Environmental Impact Statement and Record of Decision were completed for the Kihei-Upcountry Maui Highway project and procurement for design services has started.

The first phase of the Hana Highway Rockfall Mitigation project at Mile Post 11 on Route 360 went out to bid in June 2004 and construction is

scheduled to begin in April 2005. Design for the second phase at Mile Post 19 is ongoing and is expected to be completed in 2006.

On the island of Molokai, work on the Kamehameha V Highway, Emergency Replacement of Kawaikapu Bridge, is scheduled for completion in 2007.

On Kauai, the "Kapaa Temporary Bypass" and the "Puhi Temporary Bypass" routes, along with the contra-flow operations between Hanamaulu and Wailua continue to temporarily relieve traffic con-



Historic Hanalei Bridge located on Kauai's North Shore

gestion in their respective areas. Construction for the extension of the temporary bypass from Olehana Road to Kuhio Highway will begin in early 2005.

The Kapaa Traffic Circulation Study to evaluate the traffic circulation in the Waipouli-Kapaa area was completed and interim improvements are being considered. The permanent Kapaa Bypass and the Kaumualii Highway widening projects are expected to contribute significantly to reducing Kauai's traffic congestion problems. A planning study for this undertaking is ongoing with an anticipated completion date in 2006. Design for the first phase for the widening of Kaumualii Highway, from Lihue to Kipu Road is scheduled for completion in 2006.

## Oahu District

On Oahu, approximately \$47 million of roadway resurfacing and rehabilitation projects were completed during the fiscal year. These included: Rehabilitation of Makakilo Interchange; Kamehameha Highway Pavement Preservation from Avocado Street to Kilani Avenue; Kamehameha Highway Resurfacing from Kaneohe Bay Drive to Kahiko Street; Interstate Route H-1 Resurfacing from Punchbowl Off-Ramp to Kapiolani Interchange; Nimitz Highway Rehabilitation from Sumner Street to Queen Street; and Mokapu Road Stability Improvements, Vicinity of Mikiola Drive to Kahinani Place.

Approximately \$16 million of capacity improvement projects were completed. Such projects included: furnishing barriers for the Zipper Lane extension from Radford Drive to Nimitz Highway; Widening the Punahou Street Off-Ramp; Sand Island Access Road Intersection Improvements at Road No. 2; Fort Weaver Road Widening from Lauaunui Street to Hanakahi Street; and Wilikina Drive Intersection Improvements at McNair Gate.

Safety improvement projects totaling \$11 million were completed, including the Installation of emergency telephones on H-2 from Waiawa Interchange to Wilikina Drive; Kalaniana'ole Highway rock scaling and rockfall mitigation at Makapuu; Moanalua Freeway Lighting Improvements from

Aiea Interchange to the Middle Street Tunnel; Pali Highway Safety Improvements from School Street to Waokanaka Drive; and Kalaniana'ole Highway Landslide Repair at Castle Junction.

Projects to enhance roadways and highways totaling \$7.3 million were completed. These include: Kamehameha Highway Sidewalk Improvements from Meheula Parkway to Kuahelani Avenue; Waialae Shoulder Improvements for Bicycle Lanes from Kealaolu Avenue to Kalaniana'ole Highway and from 17<sup>th</sup> Avenue to 21<sup>st</sup> Avenue; Farrington Highway Landscaping from Kamehameha Highway to Fort Weaver Road; and the Pedestrian Facilities and ADA Compliance at Various Locations – Phase II.

About \$7.6 million of projects to improve drainage and reduce flooding were completed, including the Kamehameha Highway Drainage Improvements in the Vicinity of Kahuku Hospital and Replacement of Kii Bridge; and the Kamehameha Highway Drainage Improvements in the Vicinity of Waiawa Power Plant.

Approximately \$10 million of miscellaneous roadway improvement are ongoing, including the Farrington Highway Improvements from Nanakuli Avenue to Nanakuli Stream and from Lualei Place to Princess Kahanu Avenue; Interstate Route H-2 Installation of Highway Lighting from Leilehua Interchange to Waiawa Interchange; Kaneohe Bay Drive Improvements from Puohala Street to Kawa Bridge; and the Ala Moana Traffic Signal Modernization Entrance to Ala Moana Shopping Center .

The \$55 million Waimalu Viaduct Widening and Seismic Retrofit for the Austin Bishop Grade Separation where a 6<sup>th</sup> westbound lane from the Kaonohi Overpass to the Pearl City Off-ramp is ongoing.

Various rehabilitation and resurfacing projects such as the Interstate Route H-1 Palailai Interchange Reconstruction; Kamehameha Highway Resurfacing from Waiahole Valley Road to Crouching Lion Inn; Likelike Highway Resurfacing from Emmeline Place to Wilson Tunnel; Wilson Tunnel Improvements; Moanalua Freeway Resurfacing from Halawa Interchange to Kahauiki Interchange; and Kalaniana'ole Highway Resurfacing from Ainakoa

Work is ongoing for the \$7.3 million Kamehameha Highway Replacement of Halawa Stream Bridge.

### **Hawaii District**

Construction of the \$6.4 million widening and resurfacing of Keaau-Pahoa Road, Paradise Drive to Pahoa was substantially completed. The project resurfaced the roadway and constructed paved shoulders and improvements at five intersections along the Keaau-Pahoa Road. Also, a waterline for the Hawaiian Homelands Makuu Farmlots Subdivision was installed.

The seismic retrofit projects for several bridges in the Hamakua, North Hilo and South Hilo Districts are continuing. There are eight contracts totaling \$15 million that are in progress or have been completed.

Construction totaling \$11.6 million to remove lead-based paint at the Kapue, Kolekole, Paheehee and Hakalau Bridges was completed in 2003.

Construction for the \$17.5 million Kupapaulua Bridge widening was completed in late 2004. Approximately \$10.2 million of highway resurfacing projects in North Hilo, Hamakua, North Kohala, South Kohala, Puna, North Kona, and South Kona Districts, and \$5.9 million of guardrail and shoulder improvement projects in South Kohala and Kau were under construction or completed in this year.

\$1.9 million in intersection improvements on Queen Kaahumanu Highway at Waikoloa Beach Drive and Waikoloa Road were completed, including the installation of traffic signal systems and highway lightings at both intersections.

Also completed was the \$1 million bike lane project on Kamehameha Avenue between Kanoelehua Avenue and the Hilo Bayfront Park and the \$599,000 Queen Kaahumanu Highway drainage improvement project in the Vicinity of Mauna Kea Beach Hotel.

Work has started on intersection improvements at the Volcano Road/Huina Road and the Kawaihae Road/Puukohola Heiau National Historic Site intersections.

### **Maui District**

Approximately \$22 million of highway infrastructure improvements to relieve congestion were completed, including; installing two-left lanes on Waiehu Beach Road, Makaala Drive to Iao Stream Bridge and pavement marking and striping on Piilani Highway and North Kihei Road; Piilani Highway Interim Widening, Mokulele Highway to Kilo-hana Drive; Honoapiilani Highway Widening, Kuihelani Highway to North Kihei Road; Traffic Operational Improvements at Various Locations; Kuihelani Highway Widening, Honoapiilani Highway to Puunene Avenue; Puunene Avenue Widening, Kuihelani Highway to Hansen Road; Mokulele Highway Widening, Hansen Road to Vicinity of Cane Haul Road Crossing; and the Honoapiilani Highway Traffic Signal Modernization, Kaanapali towards Lahaina.

Various roadway resurfacing, repairs and maintenance projects such as the Honoapiilani Highway Resurfacing, Vicinity of McGregor Point to Olowalu; Kaunalapau Highway Resurfacing, Vicinity of Lanai Airport towards Lanai City; Kaunalapau Highway Resurfacing, Vicinity of Lanai Airport Road towards Miki Road; Kamehameha Highway V Resurfacing, Kamalo to Pukoo; Main Street Resurfacing, Central Avenue to Kaahumanu Avenue and Kaahumanu Avenue Resurfacing, Main Street to Hobron Avenue; and Dairy Road Resurfacing, Keolani Place to Kuihelani Highway totaling \$7.2 million were completed.

Projects to repair and maintain roadways such as the Hana Highway Emergency Roadway Repairs at Various Locations; Route 360 Hana Highway Repairs and Maintenance, Phase 2; Honoapiilani Highway Guardrail and Shoulder Improvements, High Street to Puamana; Kahekili Highway Repairs and Maintenance; Kekaulike Avenue Repairs and Maintenance at Various Locations totaling to \$5.1 million were completed.

\$2.7 million worth of miscellaneous roadway improvement projects were completed. These included: Kaahumanu Avenue Drainage Improvements, South Wakea Avenue to Kahului Beach Road; Hana Highway Drainage Improvements, Hobron Avenue and Dairy Road; and the Route 360

Hana Highway Improvements, Mile Post 4.20 to Mile Post 23.70.

Roadway enhancement and beautification projects such as the Honoapiilani Highway Bypass Landscaping, Kuialua Street and Hookahua Place; Honoapiilani Highway Bikeway Improvements, Shaw Street to Maalaea Harbor and Kekaulike Avenue Bikeway Improvements, Kula Highway to Haleakala Highway; and the Kaahumanu Avenue Landscape Improvements Phase 1, Lono Avenue to Hana Highway were completed in FY 2004.

Construction of safety improvement projects remains a priority and several projects were completed. These included: Haleakala Highway Guardrail and Shoulder Improvements, Haliimaile Road to Kula Highway and Kahekili Highway Guardrail and Shoulder Improvements at Haihee Bridge; Haleakala Highway Widening, Phase 1; Kalae Highway Guardrail and Shoulder Improvements, Maunaloa Highway to Kalaupapa Lookout Parking Lot; and the Honoapiilani Highway Guardrail and Shoulder Improvements, High Street to Pua- mana.

Two bridge replacement projects along Route 36 totaling \$18 were completed. Hana Highway Replacement of Uaoa Bridge and Approaches and the Hana Highway Replacement of Kaupakulua Bridge and Approaches were completed and opened to traffic.



Work to repair the hillside along Kalaniana'ole Highway at Castle Junction began in January 2004 and is expected to be completed by December 2004. The landslide caused by the heavy rains in the summer of 2003 left one Honolulu-bound lane completely closed for several months.

Ongoing projects to relieve congestion on state highways include design for the \$35 million Honoapiilani Highway Realignment, Phase 1A, Future Keawe Street Extension to Lahainaluna Road.

Other various ongoing projects are: Haleakala Crater Road Repairs and Maintenance at Various Locations; Kula Highway Repairs and Maintenance at Various Locations; Kamehameha V Highway Replacement of Kawaikapu Bridge; Maui District Baseyard Repairs and Maintenance of Buildings and Grounds; and the Molokai Baseyard Improvements.

### **Kauai District**

Approximately \$3.7 million of resurfacing projects such as the Kaunualii Highway Resurfacing, Vicinity of Mahaikona Bridge to Waimea Canyon Drive; Nawiliwili Road Resurfacing, Kaunualii Highway to Waapa Road; and the Kuhio Highway Resurfacing, Hardy Street to Kuene Road were completed.

Roadway and highway improvement projects totaling \$6.5 million were completed. These include: Kaunualii Highway Drainage Improvements, Vicinity of Mile Post 22; Kapule Highway Miscellaneous Improvements, Vicinity of Ahukini Road to Kuhio Highway; Kuhio Highway Intersection Improvements at South Leho Drive; Kaunualii Highway Intersection Improvements at Koloa Road; and the Kaunualii Highway Drainage Improvements, Vicinity of Huleia Stream Bridge and the Hanapepe Valley Scenic Lookout.

The \$1.8 million project to repair and replace deteriorated metal members on the Hanalei Bridge on Kuhio Highway was recently completed.

Approximately \$8 million of ongoing construction projects include: Kuhio Highway Shoulder Improvements, Haena to Princeville; Kuhio Highway, Wai- kaea Stream Bridge Widening; Kaunualii Highway Guardrail and Shoulder Improvements, Omao to Hanapepe; and the Kuhio Highway Resurfacing, Vicinity of Kealia.

# Commission on Transportation

**T**he Commission on Transportation, which serves in an advisory capacity to the Director, is a communications conduit between the public and the Department of Transportation.

**Kazu Hayashida**

Chair, Oahu

**Kirk Tanaka**

Vice Chair, Hawaii

**Willy Crozier III**

Oahu

**Lester Fushikoshi**

Oahu

**Harold Kageura**

Kauai

**James Pacopac**

Oahu

**John Romanowski**

Hawaii

**Stephen Smith**

Maui

**David Sproat**

Kauai

**Norman Tsuji**

Hawaii

**Jane N. Yamashiroya**

Oahu

# Airports Division

## Statements of Revenues, Expenses and Changes in Retained Earnings

<b>Years Ended June 30</b>	<b>2004</b>	<b>2003</b>
Concession Fees	\$114,738,758	\$131,878,195
Aeronautical Rentals:		
Nonexclusive Joint-Use Premise Charges	\$27,092,618	\$25,095,942
Exclusive Use Premise Charges	\$24,902,421	\$27,697,345
Nonaeronautical Rentals	\$12,060,261	\$9,568,167
Airport Landing Fees	\$33,517,262	\$34,579,691
Aviation Fuel Tax	\$2,931,685	\$2,854,123
Airports System Support Charges	(\$4,682,685)	\$896,109
Miscellaneous	\$4,318,430	\$4,401,178
Total Operating Revenues	\$214,878,750	\$236,970,750
<b>Operating Expenses Other Than Depreciation</b>	\$149,811,296	\$165,895,285
Salaries and Wages	\$50,912,748	\$53,584,000
Other Personnel Services	\$37,535,231	\$39,732,886
Utilities	\$18,622,657	\$18,388,636
Bad Debt Expense	\$923,511	\$12,793,352
Special Maintenance	\$5,222,256	\$7,686,122
Repairs and Maintenance	\$10,102,772	\$10,302,124
State of Hawaii Surcharge on Gross Receipts	\$9,771,402	\$8,517,875
Materials and Supplies	\$4,664,290	\$4,184,650
Department of Transportation General Administration Expenses	\$5,655,422	\$3,577,238
Insurance	\$2,647,008	\$2,816,609
Claims and Benefits	\$1,279,127	\$1,428,934
Communication	\$372,192	\$344,378
Travel	\$262,254	\$269,264
Disbursements Out of Major Maint., Renewal & Replacement Acct.	\$1,192,459	\$1,501,919
Rent	\$268,590	\$270,159
Dues and Subscriptions	\$85,389	\$171,606
Printing & Advertising	\$12,712	\$28,043
Freight & Delivery	\$15,659	\$12,811
Miscellaneous	\$265,617	\$284,679
Depreciation	\$79,032,618	\$78,204,779
Total Operating Expenses	\$228,843,914	\$244,100,064
<b>Operating Income (Loss)</b>	(\$13,965,164)	(\$7,129,314)
Interest Income:		\$752,058,654
Cert. of Deposit, Repurchase Agreements & U.S. Gov't Securities	\$17,928,374	\$25,654,588
Investments in Direct Financing Leases	\$2,929,183	\$2,997,441
Interest Expense:		
Revenue Bonds:		
Airports System	\$40,284,848	(\$42,862,164)
Special Facility	\$2,929,183	(\$2,997,441)
General Obligation Bonds	\$2,835	(\$4,644)
Federal Operating Grants	\$1,480,168	\$3,088,120
Loss on Disposal of Capital Assets		\$2,122,601
Loss on Redemption of Bonds	\$3,466,208	(\$1,907,907)
Nonoperating Revenues (expenses) - Net	(\$25,831,002)	(\$13,909,406)
<b>Gain (loss) Before Capital Contributions &amp; Transfers</b>	(\$39,796,166)	(\$21,038,720)
<b>Capital Contributions &amp; Transfers</b>		
Federal Capital Grants	\$19,736,032	\$22,536,388
Contributed Land	\$2,300,000	
Transfer from Highways Division		
Total Capital Contributions & Transfers	\$22,036,032	\$22,536,388
<b>Increase (decrease) in Net Assets</b>	(\$17,760,134)	\$1,497,668
<b>Total Net Assets, Beginning of Year</b>	\$1,483,372,436	\$1,481,874,768
<b>Total Net Assets, End of Year</b>	\$1,465,612,302	\$1,483,372,436



# Harbors Division

## Statements of Revenues, Expenses and Changes in Retained Earnings

Years Ended June 30	2004	2003*
<b>Operating Revenues</b>		
Services	\$48,657,768	\$47,576,352
Rentals	\$25,125,270	\$25,123,372
Others	\$985,135	\$905,444
	<b>\$74,768,173</b>	<b>\$73,605,168</b>
<b>Operating Expenses Before Depreciation</b>		
Personal Services	\$10,756,552	\$10,630,145
Harbor Operations	\$9,277,336	\$14,084,110
Maintenance	\$2,915,374	\$6,350,229
State of Hawaii, Surcharge for Central Service Expenses	\$2,766,405	\$1,905,797
Fireboat Operations	\$1,704,790	\$1,308,058
General Administration	\$1,420,991	\$1,878,278
Department of Transportation, General Administration Expenses	\$733,531	\$962,692
	<b>\$29,574,979</b>	<b>\$37,119,309</b>
Income from Operations Before Depreciation	<b>\$45,193,194</b>	<b>\$36,485,859</b>
<b>Depreciation</b>	<b>\$13,766,433</b>	<b>\$13,366,629</b>
Income from Operations	<b>\$31,426,761</b>	<b>\$23,119,230</b>
<b>Nonoperating Income (expense)</b>		
Interest Income		
Deposits in Investment Pool	\$3,664,514	\$3,965,819
Investment in Direct Financing Lease	\$236,050	\$1,076,979
Interest Expense (Note J)		
Revenue Bonds	(\$10,246,336)	(\$9,391,992)
Special Facility Revenue Bonds	(\$207,945)	(\$948,750)
General Obligation Bonds	(\$5,647)	(\$8,059)
Amortization of Bond Discount, Issue Costs & Loss on Refunding	(\$630,998)	(\$642,035)
Loss on Disposal of Harbor Facilities	(\$12,064)	(\$707,439)
Other, Net	(\$7,202,426)	(\$6,655,477)
<b>Net Income</b>	<b>\$24,961,701</b>	<b>\$19,006,202</b>

\* Statements of Revenues, Expenses and Changes in Retained Earnings for FY 03 have been adjusted

# Highways Division

Combines Statement Revenues, Expenditures and Changes in Fund Balance  
All Government Fund Types

Year ended June 30, 2004	State Highway Fund	Capital Projects Fund	Total *
<b>Revenues:</b>			
Intergovernmental Federal Grants-in-Aid	\$22,235,961	\$44,612,728	\$66,848,689
<b>Taxes and Fees:</b>			
Fuel Taxes	\$79,606,595		\$79,606,595
Vehicle Weight Tax	\$27,392,695		\$27,392,695
Vehicle Registration Fees	\$19,173,940		\$19,173,940
Interest Income	\$8,570,329		\$8,570,329
Others	\$47,837,707		\$47,837,707
<b>Total Revenues</b>	<b>\$204,817,227</b>	<b>\$44,612,728</b>	<b>\$249,429,955</b>
<b>Expenditures:</b>			
<b>Operating and Maintenance:</b>			
Oahu Highways and Services	\$40,674,569		\$40,674,569
Hawaii Highways and Services	\$16,285,941		\$16,285,941
Maui Highways and Services	\$14,025,155		\$14,025,155
Molokai Highways and Services	\$808,475		\$808,475
Lanai Highways and Services	\$3,203,059		\$3,203,059
Kauai Highways and Services	\$11,019,489		\$11,019,489
Motor Vehicle Safety Office	\$5,581,696		\$5,581,696
Administration	\$9,528,588		\$9,528,588
Debt Service	\$35,522,301		\$35,522,301
Surcharge for Central Services Expenses	\$8,180,494		\$8,180,494
Capital Projects		\$90,846,449	\$90,846,449
<b>Total Expenditures</b>	<b>\$144,829,767</b>	<b>\$90,846,449</b>	<b>\$235,676,216</b>
Excess (deficiency) of Revenues Over Expenditures Before Other Financial Sources (uses)	\$59,987,460	(\$46,233,721)	\$13,753,739
<b>Other Financial Sources (uses)</b>			
Operating Transfers In		\$40,741,416	\$40,741,416
Operating Transfers Out	(\$40,741,416)		(\$40,741,416)
<b>Total Other Financial</b>	<b>(\$40,741,416)</b>	<b>\$40,741,416</b>	<b>\$0</b>
Excess (deficiency) of Revenues and Other Financial Sources Over Expenditures and Other Financial (uses)	\$19,246,044	(\$5,492,305)	\$13,753,739
<b>Fund Balance in July 1, 2002</b>	<b>\$149,225,004</b>	<b>\$235,360,528</b>	<b>\$384,585,532</b>
<b>Fund Balance in June 30, 2003</b>	<b>\$168,471,048</b>	<b>\$229,868,223</b>	<b>\$398,339,271</b>
<b>State Funded Highways Construction Program</b>	<b>\$35,988,090</b>		

**\*Unaudited Memorandum Only**

## Airports Division

Projects Completed & In Progress Fiscal Year 2003—2004

<b>Project</b>	<b>Started</b>	<b>Completed</b>	<b>Costs</b>
Hilo Int'l Airport, Noise Attenuation Keaukaha Elementary School	Oct-03	May-04	1.63 M
Kona Int'l Airport at Keahole, General Aviation Fuel Storage System	Jul-03	Oct-03	0.18 M
Kona Int'l Airport at Keahole, Ramp K, Phase 2	Jun-03	Oct-03	1.37 M
Kona Int'l Airport at Keahole, Triturator	Jan-04	May-04	0.58 M
Honolulu Int'l Airport, Ticket Lobby Canopies	Nov-02	Apr-04	4.86 M
Statewide Architectural Barrier Removal, Phase III, Island of Hawaii	Jun-03	Nov-03	0.50 M
Lihue Airport, GA Apron Site Preparation, Phase II	Mar-04	Mar-05	14 M
Kahului Airport, Terminal Improvements, Phase 1a	May-04	Oct-05	2.94 M
Honolulu Int'l Airport, Architectural Barrier Removal, Phase II	Jun-04	May-05	7.49 M
Honolulu Int'l Airport, Intra-Terminal Transportation System, 3rd Level Overseas Terminal Roadway Strengthening	Apr-02	Mar-04	10.23 M
Honolulu Int'l Airport, Overseas Terminal Improvements, Phase II	Oct-03	Jun-05	12.13 M
Honolulu Int'l Airport, Public Toilet and Custodial Support Facilities, Phase I	Apr-02	Jul-03	2.32 M
Kalaeloa Airport Improvements	Apr-04	Oct-05	10.51 M
Statewide Architectural Barrier Removal, Phase III, Island of Oahu	Oct-03	Jun-05	0.84 M

## Harbors Division

Projects Completed & In Progress Fiscal Year 2003—2004

Project	Started	Completed	Costs	Description
Hilo Harbor	Feb-05	May-05	96 K	Remove Architectural Barriers (ADA)
Hilo Harbor	Apr-04	Dec-04	225 K	Upgrade Perimeter Fencing
Hilo Harbor	Oct-03	Feb-04	53 K	Repair Pavement
Hilo Harbor	Apr-05	Jul-05	100 K	Repaint Water Tower
Hilo Harbor and Kawaihae Harbor	Sep-03	Oct-04	269 K	Install Bullrails
Hilo Harbor, Piers 2 & 3	Jan-05	Jan-05	76 K	Repair Subsidence
Hilo Harbor, Piers 2 & 3	Jul-03	Nov-04	200 K	Repair Bilkhead
Hilo Harbor, Piers 2 & 3	Mar-05	Jul-05	200 K	Substructure Repairs
Honolulu Harbor	Apr-03	Jul-04	383.5 K	Provide Security Barriers
Honolulu Harbor Administration Building	Jan-05	May-05	125 K	Remove Architectural Barriers (ADA)
Honolulu Harbor at Pier 25-28	Jul-03	Dec-04	962 K	Bulkhead Repairs
Honolulu Harbor, Horizon CY	Dec-04	Jan-06	174 K	Pavement Repairs
Honolulu Harbor, Pier 40	Jun-04	Nov-04	63 K	Replace Fence
Honolulu Harbor, Aloha Tower	Aug-04	Feb-05	98 K	Repair DrainLines & Water Leaks
Honolulu Harbor, Matson CY	Dec-04	Jan-06	409 K	Pavement Repairs
Honolulu Harbor, Pier 1 CFS#2	Aug-04	Jun-05	150 K	Repair Canopy
Honolulu Harbor, Pier 10/11 and 19	Jun-03	May-05	461 K	Security Surveillance System
Honolulu Harbor, Pier 11 Offices	Jan-05	May-05	150 K	Remove Architectural Barriers (ADA)
Honolulu Harbor, Pier 11 Shed	Jul-03	Feb-05	64 K	Replace Water Line
Honolulu Harbor, Pier 11 Shed	Aug-04	Mar-05	32 K	Seal Cracks at Ramp
Honolulu Harbor, Pier 13/14 Shed	Jun-03	Apr-05	41 K	Repair Roof Drains and Downspouts
Honolulu Harbor, Pier 13/14 Shed	Jan-05	Apr-05	90 K	Replace Roll-Up Doors
Honolulu Harbor, Pier 19	Oct-04	Jul-05	447 K	Demolition of Storage Tanks
Honolulu Harbor, Pier 19	Jan-02	---	4.5 M	Construct Ferry Terminal
Honolulu Harbor, Pier 19-21	Feb-05	Jun-05	310 K	Replace Fire Alarm System
Honolulu Harbor, Pier 2 Shed	Apr-05	Dec-05	25 M	Passenger Terminal
Honolulu Harbor, Pier 27	Sep-03	---	205 K	Replace Lift Station
Honolulu Harbor, Pier 31-33	Jun-04	Sep-04	110 K	Substructure Repairs
Honolulu Harbor, Pier 31A Shed	Nov-04	Jan-05	282 K	Replace Roofing
Honolulu Harbor, Pier 36	Dec-03	Nov-04	724 K	Methane Mitigation
Honolulu Harbor, Pier 39	Feb-04	Mar-04	99 K	Revetment Repairs
Honolulu Harbor, Pier 39 Shed	Aug-04	Oct-04	111 K	Repair Gutter System

<b>Project</b>	<b>Started</b>	<b>Completed</b>	<b>Costs</b>	<b>Description</b>
Honolulu Harbor, Pier 40 Annex	---	---	97 K	Replace Roofing
Honolulu Harbor, Pier 8-9	Jan-05	May-05	480 K	Substructure Repairs
Honolulu Harbor, Piers 1 & 2	Mar-04	Dec-04	324 K	Structural Barriers
Honolulu Harbor, Piers 10-11	Mar-05	Jul-05	96 K	Cold plane and Repave Apron
Honolulu Harbor, Piers 10-11 Shed	Jul-04	Nov-04	109 K	Repaint Exterior
Kahului Harbor	May-04	May-05	331 K	Upgrade Perimeter Fencing
Kahului Harbor, Pier 1 CY	Feb-05	Mar-05	107K	Pavement Repairs
Kahului Harbor, Pier 1 Shed	Jan-05	Feb-05	---	Repairs to Shed
Kahului Harbor, Pier 2	Apr-04	Jun-04	164 K	Replace Fender System
Kalaeloa Barbers Point Harbor CY	Jan-05	Apr-05	96 K	Repaint Light Poles
Kaunakakai Harbor	Aug-04	Oct-04	53 K	Deck Repairs
Kaunakakai Harbor	May-05	Sep-05	225 K	Substructure Repairs
Kaunakakai Harbor	Nov-04	Jan-05	30 K	Replace/Realign Fenders
Kawaihae Harbor	Feb-05	May-05	90 K	Remove Architectural Barriers (ADA)
Kawaihae Harbor	Mar-03	Mar-04	84 K	Pile Repairs
Kawaihae Harbor	Aug-04	Mar-05	671.25 K	Security Fence
Kewalo Basin	Nov-04	May-05	440 K	Substructure Repairs
Kewalo Basin	Jul-04	Nov-04	278 K	Electrical Repairs
Kewalo Basin	Mar-05	Aug-05	68 K	Repair Lighting
Kewalo Basin	Jun-04	Jul-04	57 K	Repair Pavement
Nawiliwili Harbor	Apr-04	Dec-04	377.6 K	Upgrade Perimeter Fencing
Nawiliwili Harbor	Mar-05	May-05	45 K	Demolish Marine Patrol Building
Nawiliwili Harbor	Apr-05	May-05	140 K	Repair Maintenance Building
Nawiliwili Harbor, Pier 1 CY	Jun-05	Aug-05	337 K	Pavement Repairs
Nawiliwili Harbor, Pier 2	Jan-05	Mar-05	60 K	Repair Fender System
Nawiliwili Harbor, Pier 3	Jan-05	Mar-05	25 K	Repair Water Line
Nawiliwili Harbor, Pier 3	Oct-05	---	2.1 M	Replace Fender System
Nawiliwili Harbor, Pier 3 Shed	Apr-05	Jun-05	140 K	Repair Eaves and Gutters
Port Allen Commercial Harbor	Jan-04	Jul-04	139 K	Replace Siding
Port Allen Commercial Harbor	Apr-04	Jul-04	129 K	Replace Fire Line
Port Allen Commercial Harbor	Feb-05	Jun-05	60 K	Apron Lighting
Port Allen Commercial Harbor	Dec-04	Jan-05	67 K	Repair Fender System

# Highways Division

## Projects Completed & In Progress Fiscal Year 2003—2004

<b>Project</b>	<b>Started</b>	<b>Completed</b>	<b>Costs</b>
Akaka Falls Road Resurfacing, Honomu Town to Akaka Falls	May-03	May-04	1.31 M
Akoni Pule Hwy Shoulder Improvements, Mahukona Towards Kawaihae.	Nov-97	Dec-05	1.7 M
Ala Moana Boulevard Traffic Signal Modernization Entrance and exit to Ala Moana Shopping Center.	Apr-04	Jun-05	0.82 M
Construction of a Portion of Interstate Route H-3, H-3 Finish (Unit II) Lee-ward Section.	Aug-97	Mar-05	48.26 M
Dairy Road Resurfacing, Keolani Place to Kuihelani Highway.	Feb-04	May-05	0.85 M
Farrington Highway Drainage Improvements, Vicinity of Nanakuli Avenue to Nanakuli Stream and Vicinity of Lualei Place to Princess Kahanu Avenue.	Jun-04	Apr-05	1.42 M
Farrington Highway Landscaping, Kamehameha Highway to Fort Weaver Road.	Mar-03	Apr-05	4.14 M
Farrington Highway, Intersection Improvements at Waiomea Street.	Apr-01	Mar-05	1.97 M
Fort Weaver Road, Laulaunui Street to Hanakahi Street.	Jun-01	Feb-04	0.62 M
Furnishing and Delivering of Movable Concrete Barrier, Interstate Route H-1 Zipper Lane Extension.	Jun-04	Oct-04	4.38 M
Haleakala Crater Road Repairs and Maintenance, Various locations on Route 378.	Feb-02	Jun-05	2.14 M
Haleakala Highway Guardrail and Shoulder Improvements, Haliimaile Road to Kula Highway, and Kahekili Highway, Guardrail and Shoulder Improvements at Waihee Bridge and Approaches.	Oct-02	Sep-03	0.85 M
Haleakala Highway Widening, Phase 1, Hana Highway to Pukalani By-pass.	Sep-03	Jun-04	4.32 M
Hana Highway Improvements, Huelo to Hana, M.P. 4.20 to M.P. 23.70.	May-04	Nov-04	1.31 M
Hana Highway Repairs and Maintenance at Various Locations.	Jun-04	Aug-05	0.29 M
Hana Highway, Dairy Road to Vicinity of Paia Town and Piilani Highway, Mokulele Highway to Wailea Ike Drive, Guardrail and Shoulder Improvements.	May-02	May-05	0.99 M
Hana Highway, Emergency Federal Aid Project, Roadway Repairs at Various Locations	Apr-01	Aug-03	0.84 M
Hana Highway, Repairs and Maintenance at Various Locations, Phase 2.	Dec-02	Nov-03	0.84 M
Hana Highway, Replacement of Kaupakulua Bridge and Approaches.	Aug-01	Jan-06	9.75 M
Hana Highway, Replacement of Uaoa Bridge and Approaches.	Oct-00	Aug-05	8.07 M
Hawaii Belt Road Drainage Improvements, Vicinity of Maulua Gulch, Lupaohoe Gulch, and Kaawalii Gulch.	Jan-01	May-04	0.41 M
Hawaii Belt Road Guardrail and Shoulder Improvements, Vicinity of Kahuku.	Dec-03	Jul-05	1.46 M
Hawaii Belt Road Resurfacing, Ahole Bridge to Kolekole Bridge.	May-96	Dec-05	3.9 M
Hawaii Belt Road Resurfacing, Kaala Bridge to Kaawalii Gulch.	Oct-96	Dec-05	2.85 M
Hawaii Belt Road Resurfacing, Keamuku to Puanahulu, M.P. 9.74 to M.P. 16.45.	Jun-02	Mar-04	1.88 M
Hawaii Belt Road Resurfacing, Mud Lane to Honoka'a.	Apr-98	Dec-03	2.65 M
Hawaii Belt Road Resurfacing, Vicinity of Kahawailiili Bridge to East Paaui Bridge, M.P. 40.97 to M.P. 36.00.	Jun-02	May-05	1.62 M
Hawaii Belt Road Resurfacing, Vicinity of Waipunalei to Kilau Gulch.	Apr-00	Apr-04	0.64 M
Hawaii Belt Road, Clean and Paint Steel Members, Kapue and Kolekole Bridges.	Dec-01	Sep-03	2.88 M
Hawaii Belt Road, Clean and Paint Steel Members, Pahokee and Hakalau Bridges.	Dec-01	Sep-03	8.69 M
Hawaii Belt Road, Intersection Improvements at Police Station Road and Hualalai Road.	May-04	Jun-05	0.75 M
Hawaii Belt Road, Seismic Retrofit of Various Bridge, Vicinity of Pepeekeo - Unit 1.	Jan-02	Aug-05	3.02 M

<b>Project</b>	<b>Started</b>	<b>Completed</b>	<b>Costs</b>
Hawaii Belt Road, Seismic Retrofit of Various Bridges, Vicinity of Hilo.	Oct-99	Jul-05	5.22 M
Hawaii Belt Road, Seismic Retrofit of Various Bridges, Vicinity of Laupahoehoe.	Aug-99	Dec-05	2.41 M
Hawaii Belt Road, Seismic Retrofit of Various Bridges, Vicinity of Ookala.	Aug-99	Mar-04	1.05 M
Hawaii Belt Road, Seismic Retrofit of Various Bridges, West of Ninole.	May-00	Jul-05	0.99 M
Hawaii Belt Road. Kupapaulua Bridge Widening.	Jan-03	May-05	17.55 M
Honoapiilani Highway Bypass Landscaping, Kuialua Street and Hookahua Place.	Feb-02	Dec-03	0.15 M
Honoapiilani Highway Repair of 81" X 59" Arch Pipe at M.P. 24.75.	Sep-02	Apr-05	0.22 M
Honoapiilani Highway Resurfacing, Vicinity of McGregor Point to Olowalu.	Apr-00	Mar-04	1.54 M
Honoapiilani Highway Widening, Kuihelani Highway to North Kihei Road.	Jun-01	Apr-05	7.5 M
Honoapiilani Highway Widening, Maalaea Road to North Kihei Road.	Oct-02	Apr-05	4.4 M
Honoapiilani Highway, Guardrail and Shoulder Improvements, High Street to Puamana.	Jun-01	Nov-05	2.2 M
Honoapiilani Highway, Traffic Signal Modernization, Kaanapali Towards Lahaina	Mar-01	Jul-05	0.94 M
Honoapiilani Hwy Bikeway Improvements, Shaw Street to Maalaea Harbor and Kekaulike Avenue Bikeway Improvements, Kula Highway to Haleakala Highway.	Sep-99	Feb-04	0.5 M
Interstate Route H-1 Rehabilitation, Makakilo Interchange, MP 1.00 to MP 1.25.	Jan-04	Dec-04	2.39 M
Interstate Route H-1 Resurfacing, Vicinity of Punchbowl Off Ramp to Kapiolani Interchange.	Apr-00	May-05	23.37 M
Interstate Route H-1, Installation of Emergency Telephones, Palailai Interchange to Halawa Interchange.	Mar-02	Oct-04	0.54 M
Interstate Route H-1, Palailai Interchange Reconstruction.	Jan-02	Oct-05	5.69 M
Interstate Route H-1, Punahou Street Off-Ramp Improvements.	Apr-01	Mar-04	2.73 M
Interstate Route H-2, Installation of Emergency Telephones, Waiawa Interchange to Wilikina Drive.	Jan-02	Jan-04	0.43 M
Interstate Route H-2, Installation of Highway Lighting, Leilehua Interchange to Waiawa Interchange.	Jul-00	Feb-05	4.04 M
Interstate Route H-3, H-3 Finish	Mar-04	Apr-05	1.73 M
Interstate Route H-3, H-3 Finish (Unit VIII) and Interstate Route H-1 Seismic Retrofit, Austin-Bishop Separation and Waiiau Interchange.	Jun-04	Nov-05	55.23 M
Kaahumanu Avenue Drainage Improvements, S. Wakea Avenue to Kahului Beach Road and Hana Highway Drainage Improvements, Hobron Avenue to Dairy Road.	Apr-02	Nov-03	1.37 M
Kaahumanu Avenue Landscape Improvements Phase 1, Lono Avenue to Hana Highway.	Sep-03	Jul-05	0.15 M
Kahekili Highway Repairs and Maintenance, Waiehu Beach Road to Camp Maluhia.	May-04	Apr-05	0.97 M
Kalae Highway Guardrail and Shoulder Improvements, Maunaloa Highway to Kalaupapa Lookout Parking Lot.	Jan-02	May-04	1.31 M
Kalaniana'ole Highway Resurfacing, Ainakoa Avenue to West Hind Drive. & Kalaniana'ole Highway 8-Inch Water Main, Ainakoa Avenue to Laukahi Street.	Jul-00	Jun-05	3.81 M
Kalaniana'ole Highway, Emergency Landslide Repairs at Castle Junction.	Jan-04	Dec-04	7.82 M
Kalaniana'ole Highway, Rock Scaling at Makapuu.	Oct-02	Feb-04	1.32 M
Kamehameha Highway Bikeway Improvements, Kalaniana'ole Avenue to Hilo Bayfront Highway.	May-02	May-05	0.36 M
Kamehameha Highway Drainage Improvements, Vicinity of Kahuku Hospital and Replacement of Kii Bridge.	Nov-02	Apr-05	7.14 M
Kamehameha Highway Drainage Improvements, Vicinity of Waiiau Power Plant.	Jun-04	Feb-05	0.45 M
Kamehameha Highway Pavement Preservation, Avocado Street to Kilani Avenue.	Sep-03	Dec-03	0.67 M
Kamehameha Highway Resurfacing, Kaneohe Bay Drive to Kahiko Street.	Jul-00	Jan-04	2.76 M
Kamehameha Highway Resurfacing, Waiahole Valley road to Crouching Lion Inn.	Jan-03	Sep-05	9.27 M
Kamehameha Highway Sidewalk Improvements, Mehelua Parkway to Kuahelani Avenue.	Sep-02	Dec-03	0.54 M

<b>Project</b>	<b>Started</b>	<b>Completed</b>	<b>Costs</b>
Kamehameha Highway, Halawa Stream Bridge (Inbound) Replacement.	Jun-02	Jan-06	7.25 M
Kamehameha V Highway Resurfacing, Kamalo to Pukoo.	Aug-02	Mar-04	2.09 M
Kamehameha V Highway Resurfacing, Pukoo to Waiialua.	Apr-04	Dec-04	1.46 M
Kamehameha V Highway, Emergency Replacement of Kawaikapu Bridge.	Dec-03	Nov-05	4.17 M
Kaneohe Bay Drive Improvements, Vicinity of Puohala Street to Kawa Bridge.	Sep-03	Oct-05	3.22 M
Kanoelehua Avenue Resurfacing, Kea'au to Kamehameha Avenue, Milepost 6.40 to Milepost 0.00.	Feb-97	Dec-05	5.06 M
Kanoelehua Avenue Traffic Signal Modernization, Kamehameha Avenue to Kawaiiani Street.	Aug-00	Aug-05	0.93 M
Kanoelehua Avenue Widening, Puainako Street. to Kamehameha Avenue & Intersection Improvements at Kekuanaoa Avenue and Airport Access Road	Sep-97	Jun-05	5.81 M
Kapule Highway Miscellaneous Improvements, Vicinity of Ahukini Road to Kuhio Highway.	Jan-01	Dec-03	0.27 M
Kaumalapau Highway Resurfacing, Vicinity of Airport Road towards Miki Road.	Aug-02	Oct-05	0.48 M
Kaumalapau Highway Resurfacing, Vicinity of Airport Towards Lanai City.	Jul-02	Oct-05	0.49 M
Kaumualii Highway Drainage Improvements, Vicinities of Huleia Stream Bridge and Hanapepe Valley Scenic Lookout.	Jul-03	Jan-04	0.26 M
Kaumualii Highway Drainage Improvements, Vicinity of M.P. 22.0.	Jul-03	Feb-04	0.45 M
Kaumualii Highway Resurfacing, Vicinity of Mahaikona Bridge to Waimea Canyon Drive.	Jul-02	Sep-03	1.16 M
Kaumualii Highway, Guardrail and Shoulder Improvements, Omao to Hanapepe.	Aug-03	Jul-05	1.72 M
Kaumualii Highway, Intersection Improvements at Koloa Road.	May-01	Nov-03	4.65 M
Kawaihae Road Guardrail and Shoulder Improvements, Kawaihae Towards Waimea.	May-04	Jun-05	1.06 M
Kawaihae Road Resurfacing, Vicinity of Kawaihae Harbor to Route 19 M. P. 1.90 to 3.47.	Nov-00	May-05	0.75 M
Kawaihae Road, Puukohola Heiau National Historic Site Intersection Improvements.	Jun-04	Jun-05	1.48 M
Keaau-Pahoa Road, Installation of Traffic Signals at Pahoa-Kapoho Road.	Jul-01	Dec-05	0.29 M
Kea'au-Pahoa Road, Kea'au Town Section (Bypass Road), Phase II.	Nov-98	Jan-04	10.65 M
Kea'au-Pahoa Road, Paradise Park Section, Phase II & III.	Jul-01	Sep-05	6.41 M
Kekaulike Avenue, Repairs and Maintenance at Various Locations.	Oct-03	Apr-05	0.25 M
Kohala Mountain Road Resurfacing, Iki Road to Kahua.	Jul-03	Jul-05	1.91 M
Kohala Mountain Road Resurfacing, Iki Road to Kahua.	Aug-99	Jun-05	1.08 M
Kuakini Highway, Miscellaneous Drainage Improvements, Honalo towards Kamehameha III Road.	Aug-00	May-05	0.1 M
Kuhio Highway Resurfacing, Hardy Street to Kuene Road.	Apr-03	Nov-03	1.25 M
Kuhio Highway Resurfacing, Vicinity of Kealia.	Feb-04	May-05	1.2 M
Kuhio Highway Shoulder Improvements, Haena to Princeville	Jun-04	Aug-05	2.42 M
Kuhio Highway, Intersection Improvements at South Leho Drive.	Jan-03	Feb-04	0.79 M
Kuhio Highway, Remove/Repair/Replace Metal Members, Hanalei Bridge.	May-02	Nov-03	1.88 M
Kuhio Highway, Waikaea Bridge Widening.	Sep-00	Dec-03	2.63 M
Kuihelani Hwy Widening, Honoapiilani Highway to Puunene Avenue.	May-00	Jul-05	11.8 M
Kula Highway Repair and Maintenance at Various Locations.	Feb-03	Apr-05	2.54 M
Likelike Highway Resurfacing, Emmeline Place to Wilson Tunnel.	Sep-02	May-05	17.89 M
Likelike Highway, Wilson Tunnel Improvements, Leak and Crack Remediation.	Mar-04	Dec-05	11.03 M
Main Street Resurfacing, Central Avenue to Kaahumanu Avenue and Kaahumanu Avenue Resurfacing Main Street to Hobron Avenue and Kaahumanu Avenue Traffic Signal Modernization, High Street to Wharf Street.	Apr-01	Nov-05	8.69 M
Mamalahoa Highway Miscellaneous Drainage Improvements, Vicinity of Hookena.	Jul-03	May-05	0.17 M
Mamalahoa Highway Resurfacing, Vicinity of Volcanoes National Park.	Jan-04	Jul-05	0.8 M



<b>Project</b>	<b>Started</b>	<b>Completed</b>	<b>Costs</b>
Mamalahoa Highway, Emergency Replacement of Ford Crossing (Makakupu Bridge) and Emergency Replacement of Kaalaala Stream Bridge.	Sep-01	Apr-05	8.49 M
Mamalahoa Highway, Emergency Replacement of Keaiwa Stream Bridge.	Mar-01	Apr-05	6.26 M
Mamalahoa Highway, Emergency Replacement of Paauau Stream Bridge, Improvements at kamani Street, and Rehabilitation of Various Bridges.	Jul-02	Apr-05	6.71 M
Mamalahoa Hwy, Drainage Improvements at Piikea Stream Bridge.	Mar-97	Dec-05	1.25 M
Materials Testing Laboratory, Replacement of Telephone System Network.	Oct-03	Dec-03	0.03 M
Maui District Baseyard, Repair and Maintenance of Buildings and Grounds, Phase 2.	Jan-03	Jun-05	0.56 M
Maui District Baseyard, Repair and Maintenance of Buildings and Grounds.	Jul-02	Jun-05	0.19 M
Maulua/Paheehee/Kapue/Pukihae Bridge Joint Repairs.	May-01	Dec-05	0.17 M
Moanalua Freeway Lighting Improvements, Route 78 MP 0.00 to MP 0.74 (Aiea IC to Route H201)	Nov-02	Nov-03	1.95 M
Moanalua Freeway Resurfacing, Halawa Interchange to Kahauiki Interchange and Interstate Route H-1 Rehabilitation, Ola Lane to Kalihi Street.	Jun-04	Jun-05	13.11 M
Mokapu saddle road slope stabilityvicinity of mikiola drive to kahinani place	Mar-02	Oct-03	3.45 M
Mokulele Highway Widening, Vicinity of Cane Haul Road to Maui Humane Society	Dec-03	Jan-06	14.29 M
Molokai Baseyard	May-03	Jun-05	2.49 M
Nawiliwili Road Resurfacing, Kaunualii Highway to Waapa Road.	Sep-01	Oct-03	1.27 M
Nimitz Highway Rehabilitation, Sumner Street to Queen Street and Nimitz Highway, Water System Improvements, Part 1.	Feb-03	Mar-05	14.41 M
Pali Highway Safety Improvements, School Street to Waokanaka Street.	Jan-03	Oct-03	0.4 M
Pedestrian Facilities and ADA Compliance at Various Locations on Oahu	Dec-03	Jul-04	0.45 M
Pedestrian Facilities and ADA Compliance at Various Locations on Oahu, Phase II.	Jul-03	Jan-05	1.49 M
Piilani Highway Interim Widening, Mokulele Highway to Kilohana Drive.	Aug-02	Oct-05	5.68 M
Piilani Hwy, North Kihei Road and Hana Hwy Pavement Marking and Striping.	Sep-99	Mar-04	0.22 M
Puunene Avenue Widening, Kuihelani Highway to Hansen Road and Mokulele Highway Widening, Hansen Road to Vicinity of Cane Haul Road Crossing.	Jul-02	Nov-05	9.23 M
Puunene Avenue Widening, Kuihelani Highway to Hansen Road and Mokulele Highway Widening, Hansen Road to Vicinity of Cane Haul Road Crossing.	Jul-02	Nov-05	9.23 M
Queen Kaahumanu Highway Drainage Improvements, Vicinity of Mauna Kea Beach Hotel.	Jun-02	May-05	0.6 M
Queen Kaahumanu Highway Guardrail and Shoulder Improvements, Hapuna Towards Kailua-Kona.	Jul-02	Jun-05	2.08 M
Queen Kaahumanu Highway Resurfacing, Kekaha Kai State Park to Hapuna.	Apr-04	May-05	10.19 M
Queen Kaahumanu Highway, Installation of Traffic Signals at Kealakehe Parkway.	Aug-97	Mar-04	0.32 M
Queen Ka'ahumanu Highway, Intersection Improvements to Kaloko-Honokohau National Historical Park.	Apr-01	Dec-05	0.52 M
Queen Kaahumanu Highway, Traffic Operational Improvements at Waikoloa Road and Waikoloa Beach Drive.	Oct-02	Mar-04	1.75 M
Queen Kaahumanu Hwy Resurfacing, Honokohau to Keahole.	Jun-96	Dec-05	3.54 M
Queen Kaahumanu Hwy Resurfacing, Palani to Honokohau.	Sep-99	Dec-05	0.8 M
Queen Kaahumanu Hwy, Traffic Signal at Kaiminani Dr.	Feb-98	May-05	0.33 M
Sand Island Access Road, Intersection Improvements at Road No. 2.	Nov-02	Dec-04	0.41 M
Sand Island Parkway, Bascule Bridge Deck Replacement.	May-04	May-05	4.74 M
Street Lights at Various Highway Locations.	Mar-01	Jan-06	0.28 M
Traffic Operational Improvements at Various Intersections, Puunene Avenue (Kaahumanu Avenue to Kuihelani Highway); Kaahumanu Avenue (at Lunalilo Street); Kahului Beach Road (at Small Boat Harbor Road and Kaihee Place); Honoapiilani Highway (at Waiko Road)	Sep-03	May-05	0.94 M
Traffic Signal Modernization at Various Locations, Island of Maui.	Jun-02	May-05	1.84 M
Volcano Road, Intersection Improvements at Huina Road	Sep-03	May-05	2.02 M
Waialae Avenue Shoulder Improvements For Bicycle Lanes, Kealaolu Avenue to Kalaniana'ole Highway and 17th Avenue to 21st Avenue.	Sep-01	Dec-03	1.13 M
Waiehu Beach Road, Two-Way Left Turn Lane, Makaala Drive to Iao Stream Bridge.	May-00	Dec-03	0.39 M
Wiikina Drive, Intersection Improvements at McNair Gate Schofield Barracks.	Aug-02	Jun-05	0.86 M