

Section 18

TRANSPORTATION

This section presents statistics relating to public roads, motor vehicles, bicycles, traffic accidents, local public transit, civil aviation, harbors, and water traffic. Other information bearing on transportation appears in Sections 7, 12, 14, and 24.

Motor vehicle registration in Hawaii increased from 495,000 in 1974 to 717,000 in 1984. Vehicle miles rose during the same period from 3.9 billion to 6.5 billion. Hawaii residents purchased 49,000 new passenger cars and 15,000 trucks in 1984. By the end of that year, 582,000 licensed drivers had access to 3,888 miles of streets and highways throughout the State. Bus passengers carried by the Honolulu Mass Transit Lines increased from 51 million in 1974 to 76 million in 1984. Registered bicycles numbered 108,000 in 1974 and 79,000 in 1984.

Most scheduled interisland travel is by air. In 1984, airlines and air taxis reported 7.6 million interisland passengers, some 47 percent more than in 1974, and carried 56,000 tons of cargo. The State has 8 commercial airports, 15 general aviation, military or semi-private airports, 10 civilian heliports, 3,224 active pilots, and about 381 active civil aircraft in general aviation.

Rapid growth is similarly evident in transpacific air travel. Although surface passenger arrivals dropped from 54,000 in 1959 to 726 in 1984, air arrivals increased during the same 25-year span from 224,000 to 5.3 million. Overseas cargo received in the State in 1981 amounted to 51,000 tons by air and 9.4 million tons by ship.

Undocumented State-registered vessels as of December 31, 1984 numbered 13,000, compared with 8,000 in 1970. Median length was 18 feet, and four-fifths were stored on land. There were 1,300 documented vessels in the State in 1985, more than double the 1970 total.

The chief source for transportation statistics is the Hawaii State Department of Transportation and its Highways, Harbors and Airports Divisions. Other sources include the U.S. Coast Guard, Federal Aviation Administration, Federal Highway Administration, Army Corps of Engineers, Honolulu Department of Transportation Services and Department of Data Systems, County finance departments, Hawaii Automobile Dealers Association, and individual transportation companies. Data for the entire period of record through 1976 appear in Historical Statistics of Hawaii, Section 17. Similar statistics for other areas are reported in Statistical Abstract of the United States: 1985, Sections 22 and 23.

Table 470.-- LENGTH OF STREETS AND HIGHWAYS, PAVED AND UNPAVED,
BY ISLANDS: DECEMBER 31, 1984

[Excludes private thoroughfares and military roads not regularly open to public use. Declines since 1983 reflect revised measurements and not actual decreases in mileage]

| Island | Total mileage | Paved | | Unpaved |
|-------------------|---------------|----------|----------|---------|
| | | Freeways | Other | |
| State total | 3,887.54 | 57.20 | 3,605.41 | 224.93 |
| Hawaii | 1,374.80 | 7.10 | 1,294.94 | 72.76 |
| Maui | 606.35 | 3.20 | 532.91 | 70.24 |
| Lanai | 45.83 | - | 31.83 | 14.00 |
| Molokai | 125.63 | - | 113.63 | 12.00 |
| Oahu | 1,383.56 | 46.90 | 1,303.22 | 33.44 |
| Kauai | 351.37 | - | 328.88 | 22.49 |
| Niihau | - | - | - | - |

Source: Hawaii State Department of Transportation, memorandum dated August 27, 1985.

Table 471.-- HIGHWAY BRIDGES, BY ISLANDS: DECEMBER 31, 1984

| Island | Number of bridges | Longest bridge | | Highest bridge | |
|--------------|-------------------|--------------------|---------------|-------------------|---------------|
| | | Location | Length (feet) | Location | Height (feet) |
| State . | 1,093 | Pearl City Viad. . | 5,946 | Nanue | 208 |
| Hawaii | 251 | Hakalau | 775 | Nanue | 208 |
| Maui | 150 | Kalialinui | 324 | Uaoa | 79 |
| Lanai | - | None | ... | None | ... |
| Molokai | 19 | Manawainui | 325 | Manawainui | 50 |
| Oahu | 592 | Pearl City Viad. . | 5,946 | Kipapa | 156 |
| Kauai | 81 | Kalihiwai | 798 | Wahiawa, Koloa .. | 90 |

Source: Hawaii State Department of Transportation, Highways Division, information provided April 19, 1985.

Table 472.-- HIGHWAY TUNNEL LENGTHS: DECEMBER 31, 1984

| Island and name of tunnel | Length (feet) |
|-------------------------------------------|------------------|
| All tunnels | 9,676 |
| Oahu: | |
| Pali No. 1: Inbound (to Honolulu) | 1,000 |
| Outbound (from Honolulu) | 1,080 |
| Pali No. 2: Inbound | 500 |
| Outbound | 497 |
| Wilson: Inbound | 2,775 |
| Outbound | 2,813 |
| Middle Street | 393 |
| Structure No. 8, Waiawa Interchange | 300 |
| Maui: | |
| Olowalu | 318 |

Source: Hawaii State Department of Transportation, Highways Division, information submitted April 19, 1985.

Table 473.-- SIGNALIZED INTERSECTIONS AND METERED PARKING SPACES, BY ISLANDS: DECEMBER 31, 1980

| Island | Signal- ized inter- sections | Metered parking spaces | |
|-------------------|---------------------------------------|------------------------|------------|
| | | On-street | Off-street |
| State total | 586 | 3,442 | 4,308 |
| Hawaii | 30 | 458 | 291 |
| Maui | 14 | - | 26 |
| Lanai | - | - | - |
| Molokai | - | - | 16 |
| Oahu | 537 | 2,984 | 3,887 |
| Kauai | 5 | - | 88 |

Source: Compiled by the Hawaii State Department of Planning and Economic Development from State and County agencies.

Table 474.-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE: 1974 TO 1984

[Taxable and non-taxable, including military
non-resident exempt vehicles]

| Year | All vehicles registered | Motor vehicles | | | |
|-----------------------------|-------------------------|----------------------------|------------------------------|---------------------------------------|----------------------------|
| | | All motor vehicles | Passenger vehicles <u>1/</u> | Ambulances, hearses, patrol wagons | Buses |
| 1974 | 510,627 | 495,037 | 420,228 | 90 | 1,951 |
| 1975 | 522,421 | 506,434 | 430,043 | 88 | 2,186 |
| 1976 | 551,438 | 535,217 | 452,616 | 82 | 2,624 |
| 1977 | 580,380 | 563,964 | 475,368 | 81 | 2,888 |
| 1978 | 599,990 | 583,601 | 489,878 | 84 | 3,052 |
| 1979 | 626,841 | 610,570 | 510,353 | 91 | 3,267 |
| 1980 | 633,846 | 617,571 | 514,669 | 85 | 3,366 |
| 1981 | 667,019 | 649,350 | 541,932 | 88 | 3,577 |
| 1982 | 689,468 | 671,513 | 566,060 | 80 | 3,863 |
| 1983 | (NA) | (NA) | (NA) | (NA) | (NA) |
| 1984 | 735,458 | 717,171 | 599,845 | 68 | 4,034 |
| Motor vehicles -- continued | | | | | |
| Year | Trucks <u>1/</u> | Truck tractors, tow trucks | Truck crane, misc. | Motorcycles, motor scooters <u>2/</u> | Trailers and semi-trailers |
| 1974 | 59,759 | 1,796 | 766 | 10,447 | 15,590 |
| 1975 | 63,134 | 1,877 | 733 | 8,373 | 15,987 |
| 1976 | 68,215 | 1,866 | 680 | 9,134 | 16,221 |
| 1977 | 73,762 | 1,848 | 609 | 9,408 | 16,416 |
| 1978 | 78,447 | 1,809 | 560 | 9,771 | 16,389 |
| 1979 | 84,578 | 1,784 | 511 | 9,986 | 16,271 |
| 1980 | 87,542 | 1,725 | 488 | 9,696 | 16,275 |
| 1981 | 90,954 | 1,641 | 458 | 10,700 | 17,669 |
| 1982 | 88,410 | 1,395 | 388 | 11,317 | 17,955 |
| 1983 | (NA) | (NA) | (NA) | (NA) | (NA) |
| 1984 | 101,233 | 1,428 | 364 | 10,199 | 18,287 |

Footnotes and source on next page.

Table 474.-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE:
1974 TO 1984 -- Con.

NA Not available.

1/ Beginning in 1979, vans and other trucks under 6,500 lb. in personal use were legally classified as passenger vehicles, but the data shown here have been adjusted to continue inclusion of such vehicles in the totals for trucks.

2/ Excluding mopeds (1.5 HP or less), which are legally classified as bicycles.

Source: City and County of Honolulu, Department of Data Systems, unpublished tabulations.

Table 475.-- MOTOR VEHICLES REGISTERED, BY COUNTIES:
1974 TO 1984

[Taxable and non-taxable, including military non-resident exempt vehicles. Includes passenger cars, buses, trucks, and motor-cycles but excludes trailers and semi-trailers]

| Year | State total | City and County of Honolulu | County of Hawaii | County of Kauai | County of Maui |
|------------|-------------|-----------------------------|------------------|-----------------|----------------|
| 1974 | 495,037 | 381,502 | 51,064 | 22,802 | 39,669 |
| 1975 | 506,434 | 387,558 | 53,124 | 23,764 | 41,988 |
| 1976 | 535,217 | 406,149 | 57,151 | 25,300 | 46,617 |
| 1977 | 563,964 | 424,892 | 60,374 | 26,920 | 51,778 |
| 1978 | 583,601 | 436,347 | 63,025 | 27,614 | 56,615 |
| 1979 | 610,570 | 452,449 | 67,718 | 29,492 | 60,911 |
| 1980 | 617,571 | 454,316 | 70,047 | 30,604 | 62,604 |
| 1981 | 649,350 | 476,995 | 75,812 | 32,932 | 63,611 |
| 1982 | 671,513 | 495,629 | 77,024 | 33,931 | 64,929 |
| 1983 | (NA) | (NA) | (NA) | (NA) | (NA) |
| 1984 | 717,171 | 525,599 | 80,840 | 35,236 | 75,496 |

NA Not available.

Source: City and County of Honolulu, Department of Data Systems, unpublished tabulations.

Table 476.-- PASSENGER VEHICLES REGISTERED, BY COUNTIES:
1974 TO 1984

[Taxable and non-taxable, including military non-resident exempt vehicles. Excludes ambulances, hearses, buses, trucks, motorcycles, and trailers]

| Year | State total | City and County of Honolulu | County of Hawaii | County of Kauai | County of Maui |
|------------------------|-------------|-----------------------------|------------------|-----------------|----------------|
| 1974 | 420,228 | 331,266 | 39,428 | 18,135 | 31,399 |
| 1975 | 430,043 | 336,953 | 41,048 | 18,873 | 33,169 |
| 1976 | 452,616 | 352,148 | 43,826 | 19,882 | 36,760 |
| 1977 | 475,368 | 367,398 | 46,072 | 21,001 | 40,897 |
| 1978 | 489,878 | 376,260 | 47,764 | 21,411 | 44,443 |
| 1979 ^{1/} ... | 510,353 | 388,788 | 51,159 | 22,790 | 47,616 |
| 1980 | 514,669 | 389,576 | 52,682 | 23,561 | 48,850 |
| 1981 | 541,932 | 409,305 | 57,397 | 25,363 | 49,867 |
| 1982 | 566,060 | 429,244 | 59,103 | 26,297 | 51,416 |
| 1983 | (NA) | (NA) | (NA) | (NA) | (NA) |
| 1984 | 599,845 | 447,872 | 63,182 | 27,376 | 61,415 |

NA Not available.

^{1/} Beginning in 1979, vans and other trucks under 6,500 lb. in personal use were legally classified as passenger vehicles, but the 1979 and subsequent data shown here have been adjusted to continue inclusion of such vehicles in the totals for trucks.

Source: City and County of Honolulu, Department of Data Systems, unpublished tabulations.

Table 477.-- VEHICLE REGISTRATION, BY TYPE OF VEHICLE, FOR COUNTIES: 1984
 [Taxable and non-taxable, including military non-resident exempt vehicles]

| Type of vehicle | State total | City and County of Honolulu | County of Hawaii | County of Kauai | County of Maui |
|------------------------------------|-------------|-----------------------------|------------------|-----------------|----------------|
| All vehicles | 735,458 | 535,449 | 85,077 | 37,202 | 77,730 |
| Motor vehicles | 717,171 | 525,599 | 80,840 | 35,236 | 75,496 |
| Passenger vehicles <u>1/</u> | 599,845 | 447,872 | 63,182 | 27,376 | 61,415 |
| Ambulances <u>2/</u> | 68 | 50 | 11 | 3 | 4 |
| Buses | 4,034 | 3,148 | 266 | 188 | 432 |
| Trucks <u>1/</u> , | 101,233 | 65,377 | 15,944 | 7,255 | 12,657 |
| Truck tractors <u>3/</u> | 1,428 | 757 | 334 | 137 | 200 |
| Truck cranes <u>4/</u> | 364 | 151 | 97 | 41 | 75 |
| Motorcycles <u>5/</u> | 10,199 | 8,244 | 1,006 | 236 | 713 |
| Trailers and semi-trailers .. | 18,287 | 9,850 | 4,237 | 1,966 | 2,234 |

1/ Vans and other trucks under 6,500 lb. in personal use, legally classified as passenger vehicles, are included in the trucks category.

2/ Including hearses and patrol wagons.

3/ Including tow trucks.

4/ Including miscellaneous vehicles.

5/ Including motorscooters but excluding mopeds (1.5 HP or less), legally classified as bicycles.

Source: City and County of Honolulu, Department of Data Systems, unpublished tabulation.

Table 478.-- AUTOMOBILES, TRUCKS, AND VANS AVAILABLE TO OCCUPIED HOUSING UNITS,
BY COUNTIES: 1980

| Number and type of vehicles available | The State | Hawaii | Honolulu | Kalawao | Kauai | Maui |
|---------------------------------------|-----------|--------|----------|---------|--------|--------|
| Occupied housing units . | 294,052 | 29,237 | 230,214 | 71 | 12,020 | 22,510 |
| Total: | | | | | | |
| None | 30,509 | 2,463 | 25,628 | 8 | 788 | 1,622 |
| 1 | 115,357 | 9,193 | 95,735 | 18 | 3,209 | 7,202 |
| 2 | 94,699 | 10,775 | 71,456 | 25 | 4,440 | 8,003 |
| 3 or more | 53,487 | 6,806 | 37,395 | 20 | 3,583 | 5,683 |
| Automobiles: | | | | | | |
| None | 34,409 | 3,460 | 27,625 | 14 | 1,086 | 2,224 |
| 1 | 134,764 | 13,994 | 105,944 | 41 | 4,860 | 9,925 |
| 2 | 91,400 | 8,700 | 71,137 | 15 | 4,274 | 7,274 |
| 3 or more | 33,479 | 3,083 | 25,508 | 1 | 1,800 | 3,087 |
| Trucks or vans: | | | | | | |
| None | 238,462 | 18,112 | 198,141 | 29 | 7,323 | 14,857 |
| 1 | 50,555 | 9,657 | 29,748 | 28 | 4,256 | 6,866 |
| 2 | 4,218 | 1,206 | 2,038 | 13 | 334 | 627 |
| 3 or more | 817 | 262 | 287 | 1 | 107 | 160 |

Source: U.S. Bureau of the Census, 1980 Census of Housing, Detailed Housing Characteristics, Hawaii, HC80-1-B13 (May 1983), tables 61 and 94.

Table 479.-- TAXABLE VEHICLES, BY TYPE AND EMPTY WEIGHT: 1984

| Empty weight | Pass- enger vehicles | Buses | Trucks | Truck tractors, tow trucks | Motor- cycles | Trailer |
|---------------------------|----------------------------|-------|--------|----------------------------------|------------------|---------|
| All taxable vehicles .. | 530,270 | 2,892 | 29,723 | 532 | 5,195 | 12,184 |
| Under 2,000 lb. | 52,609 | 1 | 31 | - | 5,194 | 9,441 |
| 2,000 to 2,999 lb. | 265,619 | 69 | 7,707 | 3 | 1 | 382 |
| 3,000 to 3,999 lb. | 159,453 | 88 | 8,965 | 4 | - | 134 |
| 4,000 to 4,999 lb. | 48,783 | 829 | 6,908 | 6 | - | 136 |
| 5,000 to 5,999 lb. | 3,443 | 786 | 1,603 | 12 | - | 181 |
| 6,000 to 9,999 lb. | 259 | 290 | 2,219 | 100 | - | 919 |
| 10,000 lb. and over | 104 | 829 | 2,290 | 407 | - | 991 |
| Median weight (lb.) | 2,800 | 5,584 | 3,795 | 14,018 | <2,000 | <2,000 |

Source: Hawaii State Department of Transportation, Highways Division, printouts; medians calculated by Hawaii State Department of Planning and Economic Development.

Table 480.-- TRUCK CHARACTERISTICS: 1982, 1977, AND 1972

[Percent]

| Vehicular and operational characteristics | 1982 ^{1/} | 1977 | 1972 |
|---------------------------------------------------|--------------------|------|------|
| Major use: Personal transportation | 54.3 | 50.0 | 37.6 |
| Body type: Pickup, panel, multistop, or walk-in . | 89.6 | 86.4 | 73.5 |
| Vehicle size: Light | 92.9 | 89.0 | 71.6 |
| Annual miles: Less than 10,000 | 59.7 | 54.1 | 59.8 |
| Year model: Over 4 years old | 75.8 | 68.1 | 59.3 |
| Vehicle acquisition: Purchased new | 47.3 | 54.6 | 55.9 |
| Fleet size: 1 truck | 72.3 | 64.0 | 53.4 |
| Truck type: Single-unit, 2 axles | 96.6 | 95.7 | 91.2 |
| Range of operation: Local | 78.2 | 87.3 | 84.6 |
| Fuel type: Diesel and LPG | 3.7 | 4.6 | 6.2 |

^{1/} There were 120,000 trucks in Hawaii in 1982, which traveled 1,071,700,000 truck miles, or 8,900 per truck.

Source: U.S. Bureau of the Census, 1982 Census of Transportation, Truck Inventory and Use Survey, Hawaii, TC82-T-12 (June 1985), tables 1 and 2.

Table 481.-- NEW PASSENGER CARS AND MOTOR TRUCKS
REGISTERED: 1979 TO 1984

| Year | Total | Passenger cars | Motor trucks |
|------------|--------|----------------|--------------|
| 1979 | 48,371 | 40,481 | 7,890 |
| 1980 | 46,664 | 37,104 | 9,560 |
| 1981 | 46,995 | 39,188 | 7,807 |
| 1982 | 44,489 | 37,137 | 7,352 |
| 1983 | 52,927 | 42,772 | 10,155 |
| 1984 | 63,625 | 48,791 | 14,834 |

Source: R.L. Polk and Co., cited in Motor Vehicle Manufacturers Association of the United States, Inc., MVMA Motor Vehicle Facts and Figures (annual).

Table 482.-- NEW PASSENGER CAR AND TRUCK REGISTRATIONS, BY PLACE OF
MANUFACTURE: 1983 AND 1984

[Percent distributions]

| Place of manufacture | All types | | Passenger cars | | Trucks | |
|----------------------|-----------|-------|----------------|-------|--------|-------|
| | 1983 | 1984 | 1983 | 1984 | 1983 | 1984 |
| Total ... | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Imports: | | | | | | |
| Japanese ... | 50.8 | 53.4 | 52.7 | 54.3 | 38.3 | 47.1 |
| European ... | 3.6 | 2.9 | 4.1 | 3.3 | 0.4 | 0.0 |
| Domestics | 44.2 | 43.0 | 42.2 | 41.9 | 57.8 | 50.8 |
| Not reported . | 1.3 | 0.7 | 1.0 | 0.5 | 3.4 | 2.1 |

Source: Hawaii Automobile Dealers' Association, HADA Yearbook 1984-85.

Table 483.-- NEW PASSENGER CAR AND TRUCK REGISTRATIONS,
BY MAKE, 1984, AND RANK, 1983 AND 1984

| Rank | | Make | New registrations, 1984 | | |
|------|------|--------------------|-------------------------|----------------|--------|
| 1983 | 1984 | | Total | Passenger cars | Trucks |
| ... | ... | All makes | 62,695 | 54,688 | 8,027 |
| 2 | 1 | Nissan | 10,878 | 9,425 | 1,453 |
| 1 | 2 | Toyota | 10,688 | 9,460 | 1,228 |
| 3 | 3 | Ford | 6,898 | 4,985 | 1,913 |
| 4 | 4 | Chevrolet | 5,386 | 4,243 | 1,143 |
| 5 | 5 | Honda | 4,765 | 4,765 | 0 |
| 6 | 6 | Mazda | 4,375 | 3,839 | 536 |
| 7 | 7 | Dodge | 3,446 | 2,774 | 672 |
| 8 | 8 | Buick | 2,111 | 2,111 | 0 |
| 10 | 9 | Oldsmobile | 2,038 | 2,038 | 0 |
| 11 | 10 | Pontiac | 1,501 | 1,501 | 0 |
| 12 | 11 | Subaru | 1,315 | 1,286 | 29 |
| 9 | 12 | Mercury | 1,086 | 1,086 | 0 |
| 22 | 13 | Jeep | 1,082 | 1,071 | 11 |
| 16 | 14 | Lincoln | 1,018 | 1,018 | 0 |
| 14 | 15 | Isuzu | 990 | 469 | 521 |
| 13 | 16 | Volkswagen | 805 | 803 | 2 |
| 15 | 17 | Plymouth | 691 | 688 | 3 |
| 17 | 18 | GMC | 594 | 260 | 334 |
| 19 | 19 | Cadillac | 531 | 531 | 0 |
| 20 | 20 | Chrysler | 503 | 503 | 0 |
| 18 | 21 | Suzuki | 468 | 452 | 16 |
| 21 | 22 | BMW | 304 | 304 | 0 |
| 23 | 23 | Volvo | 288 | 288 | 0 |
| 24 | 24 | Mercedes | 255 | 255 | 0 |
| 25 | 25 | Audi | 89 | 89 | 0 |
| 26 | 26 | AMC | 79 | 79 | 0 |
| 27 | 27 | Porsche | 74 | 74 | 0 |
| ... | ... | Miscellaneous | 437 | 271 | 166 |

Source: Hawaii Automobile Dealers Association, HADA Yearbook 1984-85.

Table 484.-- NEW PASSENGER CAR AND TRUCK SALES, BY COUNTIES: 1983

| Type | State total | Hono- lulu | Maui | Hawaii | Kauai |
|--------------------|-------------|---------------|-------|--------|-------|
| Passenger cars ... | 45,509 | 35,413 | 4,626 | 4,161 | 1,309 |
| Trucks | 6,614 | 5,617 | 311 | 378 | 308 |

Source: Hawaii Automobile Dealers' Association, HADA Yearbook 1983-84.

Table 485.-- HAWAII DRIVERS LICENSES IN FORCE: 1974 TO 1984

[As of December 31]

| Year | State total | City and County of Honolulu | County of Hawaii | County of Kauai | County of Maui |
|------------|-------------|-----------------------------------|------------------------|-----------------------|----------------------|
| 1974 | 509,236 | 409,977 | 43,907 | 20,815 | 34,537 |
| 1975 | 531,375 | 425,370 | 46,891 | 22,153 | 36,961 |
| 1976 | 541,180 | 429,559 | 49,184 | 22,662 | 39,775 |
| 1977 | 541,353 | 424,242 | 51,773 | 23,557 | 41,781 |
| 1978 | 541,263 | 420,005 | 54,504 | 24,381 | 43,373 |
| 1979 | 543,202 | 418,751 | 53,735 | 25,606 | 45,110 |
| 1980 | 541,842 | 411,102 | 57,780 | 26,333 | 46,627 |
| 1981 | 541,279 | 407,062 | 60,171 | 27,261 | 46,785 |
| 1982 | 561,345 | 419,468 | 63,610 | 28,446 | 49,821 |
| 1983 | 574,533 | 428,897 | 64,560 | 29,169 | 51,907 |
| 1984 | 582,218 | 434,053 | 65,778 | 28,801 | 53,586 |

Source: Hawaii State Department of Transportation, Motor Vehicle Safety Office, records.

Table 486.-- MOTOR VEHICLE FUEL CONSUMPTION AND VEHICLE MILES:
1980 TO 1984

| Year | Highway fuel consumption <u>1/</u> | | Vehicle miles of travel | |
|----------------|------------------------------------|-------------------------------|-------------------------|-----------------------|
| | Total (1,000 gallons) | Gallons per vehicle <u>2/</u> | Total (millions) | Per vehicle <u>2/</u> |
| 1980 | 330,734 | 536 | 5,570.0 | 9,019 |
| 1981 | 319,588 | 492 | 5,855.7 | 9,018 |
| 1982 | 323,827 | 482 | 6,048.3 | 9,007 |
| 1983 | 327,769 | (NA) | (NA) | (NA) |
| 1984 | 339,491 | 473 | 6,486.3 | 9,044 |
| COUNTIES: 1984 | | | | |
| Honolulu | 242,775 | 465 | 4,616.1 | 8,846 |
| Hawaii | 43,933 | 534 | 805.5 | 9,791 |
| Kauai | 16,560 | 450 | 381.5 | 10,363 |
| Mauï | 36,223 | 475 | 683.2 | 8,960 |

NA Not available.

1/ Includes gasoline, gasohol, diesel oil, and butane gas.

2/ Based on motor vehicle total by county of inspection; includes both taxable and nontaxable vehicles, and all military nonresident exempt vehicles. Data include passenger cars, buses, trucks, and motorcycles but exclude trailers and semi-trailers.

Source: Hawaii State Department of Transportation, Highways Division, annual releases and records.

Table 487.-- AVERAGE DAILY TRAFFIC VOLUMES AT SELECTED OAHU
SURVEY SITES: 1980 TO 1984

[Based on average number of vehicles over a 24-hour period
for both directions]

| Site | 1980 | 1981 | 1982 | 1983 | 1984 |
|-------------------------------------------------------------------|---------|---------|---------|---------|---------|
| Pali Highway at tunnels | 43,397 | 43,164 | 43,722 | 47,753 | 46,812 |
| Likelike Highway at tunnels | 41,264 | 40,792 | 45,057 | 44,644 | 43,840 |
| H-1 Freeway at Manoa-Palolo Drainage Canal (includes ramps) | 102,441 | (NA) | 104,500 | 101,817 | 110,712 |
| H-1 Freeway at Kapalama Drainage Canal Bridge | 186,955 | 157,733 | 152,487 | 174,308 | 164,969 |
| Nimitz Highway at Kapalama Drainage Canal Bridge | 64,431 | 66,318 | 60,425 | (NA) | 55,312 |
| Kalaniana'ole Highway east of Ainakoa Ave. . | 70,602 | 70,426 | 69,706 | 69,939 | 73,941 |

NA Not available.

Source: Hawaii State Department of Transportation, Highways Division,
Planning Branch, records.

Table 488.-- HIGHWAY SPEEDS, BY TYPE OF HIGHWAY: 1978 TO 1983

[Years ended September 30]

| Measurement and year | State-wide | Urban inter-state | Rural | | |
|------------------------------------|------------|-------------------|-------------|---------------------------|----------------------------|
| | | | Inter-state | Other arterials <u>1/</u> | Major collectors <u>2/</u> |
| AVERAGE SPEEDS (MILES PER HOUR) | | | | | |
| 1978 | (NA) | 54.1 | 56.3 | 52.6 | 52.0 |
| 1979 | (NA) | 54.8 | 55.7 | 53.3 | 53.2 |
| 1980 | (NA) | 53.3 | 54.5 | 51.6 | 51.8 |
| 1981 | 53.0 | 54.0 | 55.1 | 51.1 | 52.8 |
| 1982 | 54.1 | 56.6 | 56.2 | 51.5 | 52.4 |
| 1983 | 54.0 | 56.7 | 56.5 | 51.6 | 51.8 |
| 1983 | | | | | |
| Miles per hour: | | | | | |
| Average speed | 54.0 | 56.7 | 56.5 | 51.6 | 51.8 |
| Median speed | 54.5 | 57.0 | 57.3 | 52.1 | 52.1 |
| 85th percentile speed .. | 60.9 | 63.5 | 63.4 | 58.5 | 58.4 |
| Percent exceeding -- | | | | | |
| 55 miles per hour | 36.7 | 55.2 | 58.3 | 20.4 | 12.4 |
| 60 miles per hour | 17.6 | 25.5 | 23.8 | 10.1 | 14.7 |
| 65 miles per hour | 5.5 | 8.8 | 6.3 | 2.8 | 5.3 |

NA Not available.

1/ Data for 1978, 1979 and 1980 refer to multi-lane divided, except interstate. Data for 1981 and later years refer to principal and minor arterials, except interstate.

2/ Data for 1978, 1979 and 1980 refer to two-lane rural.

Source: U.S. Department of Transportation, Federal Highway Administration, Highway Statistics (annual).

Table 489.-- MAJOR TRAFFIC ACCIDENTS, TRAFFIC INJURIES, AND TRAFFIC DEATHS: 1974 TO 1984

| Year | Major traffic accidents <u>1/</u> | | Persons injured or killed | |
|----------------|-----------------------------------|-------|---------------------------|--------|
| | Total | Fatal | Injured only | Killed |
| 1974 | 14,855 | 119 | 10,022 | 129 |
| 1975 | 13,895 | 130 | 10,554 | 146 |
| 1976 | 14,860 | 137 | 11,667 | 149 |
| 1977 | 16,188 | 139 | 12,245 | 154 |
| 1978 | 18,545 | 175 | 13,327 | 195 |
| 1979 | 19,158 | 183 | 13,963 | 205 |
| 1980 | 18,301 | 165 | 13,026 | 185 |
| 1981 | 16,582 | 136 | 11,999 | 150 |
| 1982 | 16,407 | 143 | 11,865 | 161 |
| 1983 | 16,372 | 131 | 11,852 | 139 |
| 1984 | 17,657 | 127 | 12,390 | 136 |
| COUNTIES: 1984 | | | | |
| Honolulu | 13,299 | 85 | 9,158 | 90 |
| Hawaii | 2,214 | 19 | 1,713 | 21 |
| Kauai | 782 | 8 | 480 | 9 |
| Maui | 1,362 | 15 | 1,039 | 16 |

1/ Traffic accidents with damage of \$300 or more (\$100 or more before July 1, 1974) or causing injury or death.

Source: Hawaii State Department of Transportation, Highways Division, Major Traffic Accidents, State of Hawaii (annual) and records.

Table 490.-- COMMUTING: 1980

| Commuting characteristics | State total | Oahu | Other islands |
|----------------------------------------------------------|-------------|---------|---------------|
| MEANS OF TRANSPORTATION TO WORK | | | |
| Workers 16 years and over | 457,717 | 369,523 | 88,194 |
| Private vehicle | 359,207 | 282,479 | 76,728 |
| Drive alone: Car | 225,767 | 179,823 | 45,944 |
| Truck or van | 27,401 | 15,904 | 11,497 |
| Carpool: Car | 93,203 | 78,997 | 14,206 |
| Truck or van | 12,836 | 7,755 | 5,081 |
| Public transportation | 38,100 | 37,042 | 1,058 |
| Bus or streetcar | 37,362 | 36,447 | 915 |
| Subway or elevated train | 32 | 32 | - |
| Railroad | 6 | 6 | - |
| Taxicab | 700 | 557 | 143 |
| Bicycle | 5,021 | 4,679 | 342 |
| Motorcycle | 2,979 | 2,740 | 239 |
| Walked only | 37,112 | 31,069 | 6,043 |
| Other means | 6,445 | 5,134 | 1,311 |
| Worked at home | 8,853 | 6,380 | 2,473 |
| PRIVATE VEHICLE OCCUPANCY | | | |
| Workers 16 years and over using private vehicles | 359,207 | 282,479 | 76,728 |
| Drive alone | 253,168 | 195,727 | 57,441 |
| In 2-person carpool | 72,188 | 59,311 | 12,877 |
| In 3-person carpool | 19,417 | 16,642 | 2,775 |
| In 4-person carpool | 7,828 | 6,373 | 1,455 |
| In 5-or-more-person carpool | 6,606 | 4,426 | 2,180 |
| Persons per private vehicle | 1.20 | 1.21 | 1.17 |
| TRAVEL TIME TO WORK | | | |
| Workers 16 years and over who did not work at home | 448,492 | 362,086 | 86,406 |
| Less than 10 minutes | 76,444 | 51,687 | 24,757 |
| 10 to 19 minutes | 145,010 | 113,454 | 31,556 |
| 20 to 29 minutes | 89,345 | 76,166 | 13,179 |
| 30 to 44 minutes | 87,941 | 77,414 | 10,527 |
| 45 or more minutes | 49,752 | 43,365 | 6,387 |
| Mean | 21.5 | 22.6 | 17.2 |

Source: U.S. Bureau of the Census, 1980 Census of Population, General Social and Economic Characteristics, Hawaii, PC80-1-C13 (June 1983), table 65.

Table 491.-- AUTOMOTIVE RENTAL AND LEASING (WITHOUT DRIVERS)
ESTABLISHMENTS, BY COUNTIES: 1982

[Limited to establishments with payroll]

| Subject | State total | Hono- lulu | Hawaii | Kauai | Maui |
|-----------------------------|-------------|---------------|--------|--------|--------|
| Number of establishments .. | 90 | 45 | 16 | 10 | 19 |
| Receipts (\$1,000) | 137,954 | 80,805 | 15,112 | 11,081 | 30,956 |

Source: U.S. Bureau of the Census, 1982 Census of Service Industries, Hawaii, SC82-A-12 (September 1984), pp. 3, 13, 18, and 19.

Table 492.-- REGISTERED TAXIS AND BICYCLES, BY ISLANDS:
1983 AND 1984

[As of December 31]

| Island | Taxicabs | | Bicycles | |
|-------------------|----------|-------|----------|--------|
| | 1983 | 1984 | 1983 | 1984 |
| State total | 1,726 | 1,696 | 70,678 | 78,971 |
| Hawaii | 81 | 85 | 2,805 | 3,517 |
| Maui | 123 | 123 | 2,535 | 2,839 |
| Lanai | 2 | 2 | 152 | 168 |
| Molokai | - | - | 177 | 286 |
| Oahu | 1,467 | 1,430 | 62,842 | 68,125 |
| Kauai | 53 | 56 | 2,167 | 4,036 |
| Niihau | - | - | - | - |

Source: Compiled by the Hawaii State Department of Planning and Economic Development from the County Departments of Finance.

Table 493.-- STEAM RAILROAD MILEAGE AND PASSENGERS:
1979 TO 1984

[Data are for the Lahaina, Kaanapali and Pacific Rail Road,
the only passenger railroad in the State]

| Calendar year | Miles of track | Passengers |
|---------------|----------------|------------|
| 1979 | 6 | 103,206 |
| 1980 | 6 | 111,600 |
| 1981 | 6 | 125,640 |
| 1982 | 6 | 155,059 |
| 1983 | 6 | 172,352 |
| 1984 | 6 | 206,840 |

Source: Lahaina, Kaanapali and Pacific Rail Road,
data submitted February 25, 1985.

Table 494.-- BUS PASSENGERS, BY FARE CATEGORY, FOR OAHU:
1982 TO 1984

[Calendar year data for City and County of Honolulu bus system]

| Fare category | 1982 | 1983 | 1984 |
|------------------------------------------|------------|------------|------------|
| All passengers | 74,109,528 | 75,051,618 | 76,260,187 |
| Adults, full fare | 39,538,266 | 40,401,159 | 41,846,716 |
| Students | 15,967,924 | 15,037,474 | 13,548,302 |
| School subsidy | 235,927 | 284,620 | 342,857 |
| Stadium express | 18,828 | 16,370 | 20,320 |
| Senior citizens and handicapped | 9,632,807 | 11,606,059 | 14,381,117 |
| Chartered service | 9,259 | 5,718 | 8,930 |
| Free transfers | 8,706,517 | 7,700,218 | 6,111,945 |

Source: MTL, Inc., data provided by the City and County of
Honolulu, Department of Transportation Services.

Table 495.-- BUS SERVICE, FOR OAHU: 1970 TO 1984

[Service provided by Honolulu Rapid Transit Co., Ltd., through December 31, 1970 and by City and County of Honolulu beginning March 1, 1971]

| Year | Number of buses, Dec. 31 | Bus mileage <u>1/</u> | Passengers <u>2/</u> |
|----------------------|--------------------------|-----------------------|----------------------|
| 1970 <u>3/</u> | 141 | 4,611,357 | 30,434,906 |
| 1971 <u>4/</u> | 108 | 2,986,724 | 19,413,259 |
| 1972 | 143 | 4,964,044 | 31,031,764 |
| 1973 | 315 | 7,973,393 | 36,741,009 |
| 1974 | 333 | 11,670,774 | 50,519,626 |
| 1975 | 350 | 13,328,501 | 58,295,732 |
| 1976 | 350 | 15,547,127 | 64,585,334 |
| 1977 | 350 | 16,242,537 | 66,311,882 |
| 1978 | 350 | 15,991,798 | 67,746,396 |
| 1979 | 350 | 15,915,000 | 68,765,000 |
| 1980 | 400 | 16,579,392 | 71,601,744 |
| 1981 | 400 | 16,748,338 | 73,546,802 |
| 1982 | 400 | 16,767,816 | 74,109,528 |
| 1983 | 395 | 16,654,568 | 75,051,618 |
| 1984 | 440 | 16,774,564 | 76,260,187 |

1/ All categories of service through 1978 and revenue vehicle miles (estimated) thereafter. Calendar year data.

2/ All categories of service through 1978 and revenue passengers (including senior citizens and handicapped) as estimated thereafter. Calendar year data.

3/ Passenger total excludes 2,277,502 zone fares.

4/ Bus service by HRT was terminated by a strike that began January 1. The City and County of Honolulu commenced service March 1.

Source: MTL, Inc., data provided by the City and County of Honolulu, Department of Transportation Services.

Table 496.-- BUS REVENUES AND FARES, FOR OAHU: 1974 TO 1984

[Data for the City and County of Honolulu bus system]

| Year | Revenues 1/ (dollars) | Cash fares, June 30 (cents) | |
|----------------------|--------------------------|-----------------------------------|--------|
| | | Full | School |
| 1974 | 6,807,147 | 25 | 10 |
| 1975 | 7,990,505 | 25 | 10 |
| 1976 | 9,007,134 | 25 | 10 |
| 1977 | 9,629,349 | 25 | 10 |
| 1978 | 9,686,876 | 25 | 10 |
| 1979 | 9,931,000 | 25 | 10 |
| 1980 <u>2/</u> | 17,388,760 | 50 | 25 |
| 1981 | 17,991,735 | 50 | 25 |
| 1982 | 18,269,144 | 50 | 25 |
| 1983 | 18,157,876 | 50 | 25 |
| 1984 <u>3/</u> | 18,819,783 | 60 | 25 |

1/ Fiscal years ending June 30 through 1979 and calendar years 1980 and thereafter.

2/ New fare structure, including a monthly pass program, effective November 1, 1979. Regular monthly passes cost \$15.00; student passes \$7.50.

3/ Fare change effective June 18, 1984. New rate, 60¢ cash/ride; Stadium Express, \$1.50 cash/ride.

Source: Data from MTL, Inc., provided by the City and County of Honolulu, Department of Transportation Services.

Table 497.-- AIRPORTS AND HELIPORTS, BY CONTROL, BY ISLANDS:
DECEMBER 31, 1983 AND 1984

| Island | Airports <u>1/</u> | | | | Heliports <u>2/</u> | |
|--------------------------------|--------------------|------------------|----------|--------------|---------------------|--------------|
| | State | | Military | Semi-private | State: commercial | Semi-private |
| | Com-mercial | General aviation | | | | |
| State total | 8 | 6 | 6 | 3 | 1 | 9 |
| Hawaii | 3 | 1 | 1 | 1 | - | 4 |
| Mauí | 1 | 1 | - | 1 | - | 2 |
| Kahoolawe | - | - | - | - | - | - |
| Lanai | 1 | - | - | - | - | - |
| Molokai | 1 | 1 | - | - | - | - |
| Oahu | 1 | 2 | 3 | - | 1 | - |
| Kauai | 1 | 1 | 1 | 1 | - | 3 |
| Niihau | - | - | - | - | - | - |
| French Frigate Shoals | - | - | - | - | - | - |
| Kure Atoll | - | - | 1 | - | - | - |

1/ Excludes private airports (not available). Changes between 1981 and 1983 reflect the reclassification of Hana and Kalaupapa Airports from commercial to general aviation and the abandonment of the French Frigate Shoals airstrip.

2/ Excludes military and private heliports (not available).

Source: Hawaii State Department of Transportation, Airports Division, information provided January 9, 1984 and January 23, 1985.

Table 498.-- AIRCRAFT OPERATIONS FOR SPECIFIED AIRPORTS:
1974 TO 1984

[An aircraft operation is an aircraft arrival or departure]

| Year | Honolulu International Airport | General Lyman Field, Hilo | Keahole Airport | Kahului Airport | Lihue Airport |
|------------|--------------------------------|---------------------------|-----------------|-----------------|---------------|
| 1974 | 305,724 | 47,715 | 40,759 | 74,883 | 50,821 |
| 1975 | 319,776 | 51,145 | 40,622 | 77,062 | 53,356 |
| 1976 | 320,565 | 52,982 | 58,425 | 90,455 | 58,865 |
| 1977 | 329,926 | 60,377 | 83,616 | 100,655 | 65,636 |
| 1978 | 379,106 | 52,677 | 91,033 | 125,291 | 74,583 |
| 1979 | 412,739 | 51,703 | 92,235 | 127,477 | 71,033 |
| 1980 | 375,408 | 49,969 | 66,944 | 111,573 | 62,829 |
| 1981 | 339,359 | 53,274 | 57,488 | 102,760 | 59,404 |
| 1982 | 308,728 | 47,964 | 51,889 | 112,428 | 65,305 |
| 1983 | 333,038 | 54,470 | 66,581 | 124,288 | 71,739 |
| 1984 | 343,818 | 62,543 | 83,320 | 142,311 | 100,992 |

Source: Hawaii State Department of Transportation, Airports Division, Airport Statistics for 1983, Statewide Airport System (April 1984), and records.

Table 499.-- AIRCRAFT OPERATIONS, BY TYPE OF AIRCRAFT, AT MAJOR STATE OWNED AIRPORTS: 1984

| Airport | All movements | Air carrier | Air taxi | General aviation | Military |
|---------------------------|---------------|-------------|----------|------------------|----------|
| Honolulu International .. | 343,818 | 154,121 | 75,445 | 82,961 | 31,291 |
| Gen. Lyman | 62,543 | 14,165 | 7,455 | 18,335 | 22,588 |
| Kahului | 142,311 | 67,230 | 37,128 | 26,333 | 11,620 |
| Lihue | 100,992 | 21,848 | 67,403 | 9,692 | 2,049 |
| Keahole | 83,320 | 17,033 | 29,569 | 19,528 | 17,190 |
| Molokai | 53,513 | 5,000 | 34,533 | 10,429 | 3,551 |

Source: Hawaii State Department of Transportation, Airports Division, records.

Table 500.-- U.S. ACTIVE CIVIL AIRCRAFT AND GENERAL AVIATION HOURS FLOWN:
1978 TO 1983

| Year | U.S. active civil aircraft, Dec. | | | Hours flown by general aviation aircraft <u>1/</u> | |
|-----------|----------------------------------|----------------------------|----------------|----------------------------------------------------|------------------------|
| | Air carrier <u>2/</u> | General aviation <u>1/</u> | | Number (1,000) | Standard error (1,000) |
| | | Number | Standard error | | |
| 1978 | 18 | 475 | 262 | 202 | 128 |
| 1979 | 19 | 530 | 130 | 255 | 76 |
| 1980 | 17 | 385 | 123 | 157 | 66 |
| 1981 | 18 | 623 | 181 | 288 | 131 |
| 1982 | 20 | 426 | 158 | 86 | 34 |
| 1983 | 21 | 381 | 152 | 97 | 34 |

1/ For aircraft based in Hawaii. Data based on samples with specified standard errors.

2/ Aloha and Hawaiian.

Source: Federal Aviation Administration, FAA Statistical Handbook of Aviation (annual), and records.

Table 501.-- ACTIVE PILOTS, FLIGHT INSTRUCTORS,
AND NONPILOT AIRMEN: 1981 TO 1983

[As of December 31]

| Year | Active pilots | Active flight instructors | Active nonpilot airmen <u>1/</u> |
|------------|---------------|---------------------------|----------------------------------|
| 1981 | 3,532 | 276 | 2,965 |
| 1982 | 3,327 | 291 | 3,118 |
| 1983 | 3,224 | 260 | 3,099 |

1/ Mechanics, parachute riggers, ground instructors, dispatchers, control tower operators, flight navigators, and flight engineers.

Source: Federal Aviation Administration, FAA Statistical Handbook of Aviation (annual).

Table 502.-- TRANSPACIFIC AND INTERISLAND AIR CARRIERS
SERVING HAWAII: 1984 AND 1985

[As of June 30. Includes both scheduled and nonscheduled services; excludes commuter lines and other air taxi service]

| Service | 1984 | 1985 |
|--------------------------------------|------|------|
| All air carriers ^{1/} | 31 | 32 |
| Transpacific | 29 | 30 |
| Domestic | 16 | 17 |
| Foreign | 13 | 13 |
| Interisland | 4 | 4 |
| Passenger carriers | 3 | 3 |
| Cargo and mail only | 1 | 1 |

^{1/} Unduplicated totals. Two carriers provided both transpacific and interisland service in 1984 and 1985.

Source: Hawaii State Department of Transportation, Airports Division, records.

Table 503.-- AIR CARGO AND AIRMAIL: 1979 TO 1984

[In thousands of pounds]

| Calendar year | Overseas air cargo | | Overseas airmail | | Interisland | |
|---------------|--------------------|-----------|------------------|-----------|---------------------|-------------------|
| | Out-going | In-coming | Out-going | In-coming | Air cargo: incoming | Airmail: incoming |
| 1979 | 121,702 | 121,205 | 17,497 | 17,577 | 118,555 | 15,364 |
| 1980 | 130,586 | 114,673 | 21,105 | 19,581 | 138,008 | 13,576 |
| 1981 | 151,513 | 101,301 | 22,388 | 19,887 | 132,559 | 14,131 |
| 1982 | 155,278 | 105,388 | 21,280 | 25,006 | 114,038 | 15,014 |
| 1983 | 174,582 | 136,354 | 23,620 | 28,288 | 109,828 | 16,024 |
| 1984 | 196,215 | 153,654 | 23,356 | 29,497 | 111,472 | 16,282 |

Source: Hawaii State Department of Transportation, Airports Division, records.

Table 504.-- TRANSPACIFIC AND INTERISLAND AIR
PASSENGER MOVEMENTS: 1970 TO 1984

[Calendar years. Data include both revenue and
non-revenue passengers]

| Year | Transpacific passengers | | | Inter- island passenger arrivals ^{1/} |
|---------|-------------------------|------------|-----------|---------------------------------------------------------|
| | Arrivals | Departures | Through | |
| 1970 .. | 2,190,809 | 2,158,577 | 893,890 | 2,992,777 |
| 1971 .. | 2,296,119 | 2,304,570 | 729,237 | 3,380,031 |
| 1972 .. | 2,540,472 | 2,550,199 | 733,362 | 4,093,338 |
| 1973 .. | 2,866,003 | 2,913,446 | 870,378 | 4,809,097 |
| 1974 .. | 3,009,769 | 2,964,992 | 885,122 | 5,174,914 |
| 1975 .. | 3,181,580 | 3,134,774 | 956,576 | 5,321,616 |
| 1976 .. | 3,496,645 | 3,432,908 | 816,915 | 5,873,138 |
| 1977 .. | 3,667,756 | 3,615,717 | 714,150 | 6,413,847 |
| 1978 .. | 4,131,466 | 4,054,544 | 854,276 | 7,341,815 |
| 1979 .. | 4,245,032 | 4,148,645 | 971,452 | 7,578,877 |
| 1980 .. | 4,270,633 | 4,174,739 | 1,118,987 | 6,737,894 |
| 1981 .. | 4,290,752 | 4,292,159 | 1,032,264 | 6,724,113 |
| 1982 .. | 4,669,747 | 4,641,716 | 882,832 | 7,327,447 |
| 1983 .. | 4,760,459 | 4,714,689 | 777,490 | 7,037,687 |
| 1984 .. | 5,263,213 | 5,261,373 | 727,947 | 7,632,239 |

^{1/} Air taxi service was seriously underreported
before 1977.

Source: Hawaii State Department of Trans-
portation, Airports Division, records.

Table 505.-- CHARACTERISTICS OF INTRA-HAWAII CERTIFICATED ROUTE AIRLINES: 1983 AND 1984

[Data for Aloha Airlines, Inc., Hawaiian Airlines, Inc., and Mid Pacific Airlines, Inc. Mid Pacific was certificated in 1983]

| Subject | 1983 <u>1/</u> | 1984 |
|-------------------------------------------------------------------------------|----------------|---------|
| Number of airlines | 3 | 3 |
| Aircraft revenue departures <u>2/</u> (1,000) | 105.6 | 119.5 |
| Aircraft revenue miles <u>2/</u> (1,000) | 12,626 | 14,118 |
| Average airborne speed <u>2/</u> (miles per hour) .. | 258 | 253 |
| Average available seats per aircraft mile flown <u>2/</u> | 108.3 | 102.7 |
| Revenue passengers: <u>2/</u> | | |
| Enplanements (1,000) | 6,074 | 6,677 |
| Load factor (percent) | 57.6 | 59.7 |
| Revenue ton-miles (1,000): <u>3/</u> | | |
| Freight | 1,712 | 2,591 |
| Mail | 985 | 898 |
| Number of employees <u>4/</u> | 1,615 | 1,810 |
| Operating revenues <u>5/</u> (\$1,000) | 210,090 | 223,250 |
| Operating profit or loss <u>5/</u> (\$1,000) | 10,014 | 3,782 |
| Average passenger revenues per revenue passenger-mile <u>6/</u> (cents) | 24.7 | 22.5 |
| Average freight revenues per revenue ton-mile <u>6/</u> (dollars) | 3.17 | 2.64 |

1/ Revised from Data Book 1984, table 545.

2/ Scheduled service only; includes Mid Pacific.

3/ Scheduled service only; excludes Mid Pacific.

4/ Weighted average for year; excludes Mid Pacific.

5/ Includes Mid Pacific for 1983 only; for 1984 includes operations beyond Hawaii.

6/ Excludes Mid Pacific.

Source: U.S. Department of Transportation, Research and Special Programs Administration, Office of Aviation Information Management, data provided May 6, 1985. Aloha Airlines, Inc. and Hawaiian Airlines, Inc. from Department of Transportation (DOT) Form 41. Mid Pacific Airlines, Inc. traffic data from DOT Form 298C; MPA financial data for 1983 from "Moody's Transportation" dated August 31, 1984 (No financial data available from any source at this date for calendar year 1984).

Table 506.-- PASSENGERS, CARGO, AND MAIL, BY AIRPORT: 1984

| Airport | Passengers ^{1/} | | Cargo (tons) | | Mail (tons) | |
|--------------------|--------------------------|-----------|--------------|----------|-------------|----------|
| | Enplaned | Deplaned | Enplaned | Deplaned | Enplaned | Deplaned |
| OVERSEAS | | | | | | |
| Total | 5,261,373 | 5,263,213 | 98,107 | 76,928 | 11,678 | 14,749 |
| Honolulu | 4,939,652 | 4,916,332 | 92,759 | 74,151 | 11,263 | 14,748 |
| General Lyman ... | 18,983 | 18,388 | 4,443 | 1,539 | 337 | 0 |
| Kahului | 241,232 | 239,639 | 404 | 485 | 50 | 1 |
| Keahole | 53,700 | 75,902 | 492 | 636 | 28 | 0 |
| Lihue | 7,806 | 12,952 | 9 | 117 | 0 | 0 |
| INTERISLAND | | | | | | |
| Total | 7,632,239 | 7,632,239 | 55,736 | 55,736 | 8,141 | 8,141 |
| Honolulu | 3,339,498 | 3,364,191 | 36,346 | 16,362 | 4,861 | 3,243 |
| General Lyman ... | 484,769 | 539,142 | 9,799 | 8,640 | 1,139 | 1,268 |
| Upolu | 1,186 | 1,230 | 0 | 0 | 0 | 0 |
| Waimea-Kohala ... | 4,602 | 4,767 | 100 | 173 | 0 | 0 |
| Keahole | 687,288 | 610,542 | 2,825 | 3,777 | 459 | 914 |
| Kahului | 1,796,714 | 1,799,911 | 3,736 | 17,674 | 1,085 | 1,768 |
| Hana | 9,682 | 9,219 | 0 | 11 | 0 | 0 |
| Kaanapali | 64,332 | 63,360 | 0 | 0 | 0 | 0 |
| Molokai | 135,665 | 136,678 | 157 | 349 | 51 | 24 |
| Kalaupapa | 3,942 | 3,961 | 2 | 48 | 0 | 0 |
| Lanai | 24,430 | 24,344 | 4 | 106 | 5 | 0 |
| Lihue | 1,065,139 | 1,059,684 | 2,767 | 8,584 | 541 | 924 |
| Other airports .. | 14,992 | 15,210 | 0 | 12 | 0 | 0 |

^{1/} Revenue and non-revenue, excluding Military Airlift Command (MAC). Also excludes overseas passengers in transit (727,947, all through Honolulu International Airport).

Source: Hawaii State Department of Transportation, Airports Division, records.

Table 507.-- AIRLINE PASSENGER ORIGINS AND DESTINATIONS: 1984

[Year ended December 31, 1984. Top city pairs originating or terminating passengers and revenue passenger-miles, ranked by passengers. Data limited to domestic operations in scheduled service. Figures are combined totals in both directions]

| City pair in both directions 1/ (in order of passenger rank) | Inter-city distance (miles) | Passengers | | Passenger-miles | |
|-----------------------------------------------------------------|-----------------------------------|--------------|-------------------|-----------------|-------------------|
| | | U.S. rank | Number (1,000) | U.S. rank | Number (1,000) |
| Honolulu-Kahului | 100 | 14 | 1,284 | 297 | 128,847 |
| Honolulu-Los Angeles | 2,566 | 17 | 1,109 | 3 | 2,854,375 |
| Honolulu-Lihue | 102 | 28 | 862 | 428 | 91,159 |
| Honolulu-Hilo | 216 | 42 | 624 | 280 | 136,128 |
| Honolulu-San Francisco | 2,398 | 44 | 622 | 9 | 1,505,835 |
| Honolulu-Kona | 169 | 59 | 518 | 430 | 90,891 |
| Honolulu-New York | 4,983 | 136 | 288 | 10 | 1,444,995 |
| Honolulu-Chicago | 4,251 | 211 | 193 | 24 | 828,379 |
| Honolulu-Seattle | 2,677 | 235 | 179 | 52 | 506,020 |
| Kahului-Los Angeles | 2,486 | 248 | 169 | 66 | 431,882 |
| Honolulu-Minneapolis | 3,972 | 444 | 92 | 81 | 375,752 |
| Honolulu-Dallas-Fort Worth | 3,785 | 471 | 88 | 90 | 338,693 |
| Honolulu-Boston | 5,095 | 514 | 80 | 69 | 411,732 |
| Honolulu-Washington, D.C. | 4,840 | 545 | 75 | 84 | 368,446 |
| Honolulu-Philadelphia | 4,919 | 596 | 68 | 91 | 337,080 |

1/ Includes all cities in Hawaii included in top 100 U.S. city pairs, as ranked either by number of passengers or number of passenger-miles.

Source: U.S. Department of Transportation, Research and Special Programs Administration, Domestic Origin-Destination Survey of Airline Passenger Traffic, December 31, 1984, table 6.

Table 508.-- REGULAR ONE-WAY FARES AND SCHEDULED FLIGHT TIMES FOR FLIGHTS
BY UNITED AIRLINES BETWEEN SAN FRANCISCO AND HONOLULU: 1980 TO 1985

[Correct to September 9, 1985]

| Effective date of change in fare | Regular one-way fares, including taxes (dollars) | | | Flight time 1/ (hours, min.) |
|-------------------------------------|-----------------------------------------------------|-------------------|------------------|------------------------------------|
| | First class | Coach, weekend | Coach weekday | |
| 1980: Jan. 1 | 302.12 | 209.08 | 199.08 | 5:02 |
| June 1 | 319.13 | 221.09 | 211.08 | 5:02 |
| Aug. 1 | 351.14 | 243.10 | 233.09 | 5:02 |
| Oct. 1 | 365.11 | 252.08 | 252.08 | 5:02 |
| 1981: Jan. 20 ... | 384.12 | 265.08 | 265.08 | 5:02 |
| Mar. 31 ... | 415.12 | 286.09 | 286.09 | 5:02 |
| June 17 ... | 425.13 | 296.09 | 296.09 | 5:02 |
| Oct. 1 | 392.12 | 280.08 | 280.08 | 5:00 |
| 1982: Mar. 1 | 412.12 | 219.07 | 219.07 | 5:00 |
| Apr. 1 | 412.12 | 310.09 | 310.09 | 5:00 |
| June 1 | 412.12 | 328.10 | 328.10 | 5:00 |
| Sept. 1 ... | 415.16 | 331.13 | 331.13 | 5:00 |
| 1983: June 15 ... | 415.16 | 353.14 | 353.14 | 5:00 |
| 1984: Sept. | 415.00 | 353.14 | 353.14 | 5:00 |
| Oct. | 415.00 | 353.00 | 353.00 | 5:05 |
| Dec. | 454.00 | 364.00 | 364.00 | 5:05 |

1/ Average scheduled flight time eastbound and westbound, by B-747 or DC-10 aircraft.

Source: United Airlines, records.

Table 509.-- REGULAR ONE-WAY FARES AND SCHEDULED FLIGHT TIMES FOR SPECIFIED INTERISLAND FLIGHTS BY HAWAIIAN AIRLINES, BY TYPE OF AIRCRAFT: 1981 TO 1985

| Effective date of change in fare | Honolulu-Lihue | | Honolulu-Kahului | | Honolulu-Hilo | |
|----------------------------------|----------------|--------|------------------|--------|----------------|--------|
| | DC-9 <u>1/</u> | DASH-7 | DC-9 <u>1/</u> | DASH-7 | DC-9 <u>1/</u> | DASH-7 |
| FARES <u>2/</u> | | | | | | |
| 1981: Jan. 1 | 47.00 | ... | 47.00 | ... | 59.00 | ... |
| March 1 | 49.00 | ... | 49.00 | ... | 61.00 | ... |
| April 26 | 49.00 | 49.00 | 49.00 | 49.00 | 61.00 | 61.00 |
| May 1 | 51.00 | 51.00 | 51.00 | 51.00 | 63.00 | 63.00 |
| Oct. 15 | 43.00 | 43.00 | 43.00 | 43.00 | 53.00 | 53.00 |
| 1982: May 1 | 46.00 | 46.00 | 46.00 | 46.00 | 56.00 | 56.00 |
| June 1 | 48.00 | 48.00 | 48.00 | 48.00 | 58.00 | 58.00 |
| Aug. 1 | 53.00 | 53.00 | 53.00 | 53.00 | 63.00 | 63.00 |
| Sept. 1 | 54.50 | 54.50 | 54.50 | 54.50 | 65.00 | 65.00 |
| 1983: Feb. 1 | 45.00 | 45.00 | 45.00 | 45.00 | 45.00 | 45.00 |
| July 1 | 49.95 | 49.95 | 49.95 | 49.95 | 49.95 | 49.95 |
| Oct. 30 | 49.95 | 29.95 | 49.95 | 29.95 | 49.95 | 29.95 |
| Dec. 16 | 49.95 | 41.95 | 49.95 | 41.95 | 49.95 | 41.95 |
| Dec. 22 | 49.95 | 33.95 | 49.95 | 33.95 | 49.95 | 33.95 |
| 1984: Jan. 20 | 49.95 | 41.95 | 49.95 | 41.95 | 49.95 | 41.95 |
| May 28 | 49.95 | 43.95 | 49.95 | 43.95 | 49.95 | 43.95 |
| Nov. 15 | 52.95 | 46.95 | 52.95 | 46.95 | 52.95 | 46.95 |
| Dec. 16 | 52.95 | 37.95 | 52.95 | 37.95 | 52.95 | 37.95 |
| 1985: Jan. 7 | 52.95 | 34.95 | 52.95 | 34.95 | 52.95 | 34.95 |
| Mar. 11 | 52.95 | 36.95 | 52.95 | 36.95 | 52.95 | 36.95 |
| Apr. 28 | 52.95 | 38.95 | 52.95 | 38.95 | 52.95 | 38.95 |
| July 1 | 44.95 | 37.95 | 44.95 | 37.95 | 44.95 | 37.95 |
| Aug. 1 | 46.95 | 38.95 | 46.95 | 38.95 | 46.95 | 38.95 |
| FLIGHT TIMES <u>3/</u> | | | | | | |
| 1981-1984 | 26 | 34 | 27 | 34 | 40 | 60 |
| 1985 | 25 | 33 | 26 | 33 | 40 | 58 |

1/ DC-9-50, through May 1981; DC-9-80 thereafter.

2/ Total regular one-way fare, including taxes and other charges, in dollars.

3/ Average non-stop scheduled flight time eastbound and westbound, in minutes.

Source: Hawaiian Airlines, records.

Table 510.-- STATE COMMERCIAL HARBORS: 1985

| Island and harbor | Harbor entrance depth (feet) | Harbor basin | | | Piers (linear feet) | Storage area (1,000 square feet) | |
|-------------------|------------------------------|--------------|---------------|--------------|---------------------|----------------------------------|-------|
| | | Depth (feet) | Length (feet) | Width (feet) | | Shedded | Open |
| Hawaii: | | | | | | | |
| Hilo | 35 | 35 | 2,300 | 1,400 | 2,787 | 122 | 446 |
| Kawaihae | 40 | 35 | 1,500 | 1,450 | 1,012 | 23 | 166 |
| Maui: | | | | | | | |
| Kahului | 35 | 35 | 2,400 | 2,050 | 2,749 | 124 | 586 |
| Molokai: | | | | | | | |
| Kaunakakai | 23 | 23 | 1,500 | 600 | 691 | 10 | 123 |
| Oahu: | | | | | | | |
| Honolulu: | | | | | | | |
| Main | } 45 | { 40 | 3,300 | 1,520 | } 26,363 | 1,873 | 7,215 |
| Kapalama | | { 40 | 3,400 | 1,000 | | | |
| Kauai: | | | | | | | |
| Nawiliwili | 40 | 35 | 1,950 | 1,540 | 1,216 | 66 | 247 |
| Port Allen | 35 | 35 | 1,500 | 1,200 | 1,200 | 35 | 32 |

Source: Hawaii State Department of Transportation, Harbors Division, unpublished data, November 7, 1985.

Table 511.-- DOCUMENTED AND NUMBERED VESSELS REGISTERED IN HAWAII:
1970 TO 1985

| Year | Documented vessels <u>1/</u> | | Numbered vessels <u>2/</u> | |
|------------|------------------------------|--------|----------------------------|--------|
| | Date | Number | Date | Number |
| 1970 | June 30 | 553 | Dec. 31 | 8,042 |
| 1971 | June 30 | 597 | Dec. 31 | 8,803 |
| 1972 | June 30 | 621 | Dec. 31 | 10,250 |
| 1973 | June 30 | 692 | Dec. 31 | 12,049 |
| 1974 | Aug. 22 | 707 | Dec. 31 | 11,843 |
| 1975 | Sept. 1 | 797 | Dec. 31 | 12,956 |
| 1976 | Dec. | 802 | Dec. 31 | 13,130 |
| 1977 | Dec. 7 | 924 | Dec. 31 | 13,165 |
| 1978 | Dec. 31 | 987 | Dec. 31 | 13,695 |
| 1979 | Dec. 31 | 996 | Dec. 31 | 13,678 |
| 1980 | Dec. 31 | 1,143 | Dec. 31 | 13,459 |
| 1981 | June 30 | 1,141 | Dec. 31 | 13,405 |
| 1982 | June 30 | 1,225 | Dec. 31 | 12,999 |
| 1983 | June 30 | 1,300 | Dec. 31 | 12,604 |
| 1984 | June | 1,203 | Dec. 31 | 13,122 |
| 1985 | June 30 | 1,306 | ... | ... |

1/ Vessels documented under the laws of the United States with the U.S. Coast Guard in Hawaii. All vessels over five net tons, used for commercial purposes, must be documented. In addition, yachts over five net tons may be documented. The data for 1982 and 1983 are Coast Guard estimates.

2/ Non-documented numbered vessels registered with the Hawaii State Department of Transportation. Any mechanically propelled boat (including those with auxiliary engines), and any boat powered solely by sail if over eight feet in length, must be numbered.

Source: U.S. Coast Guard, Marine Safety Office, records; Hawaii State Department of Transportation, Report of Undocumented Vessel Registration (annual).

Table 512.-- UNDOCUMENTED STATE-REGISTERED VESSELS: DECEMBER 31, 1984

| Subject | Number | Subject | Number |
|-------------------------------|--------|-----------------------------|--------|
| Certificates outstanding . | 13,122 | Type of vessel: | |
| Length: | | Cabin motorboat | 1,873 |
| Under 16 feet | 5,165 | Open motorboat | 4,912 |
| 16 to less than 26 feet | 6,597 | Runabout | 2,831 |
| 26 to less than 40 feet | 1,150 | Sail/inboard | 568 |
| 40 to 65 feet | 200 | Sail/outboard | 693 |
| Over 65 feet | 10 | Sail only | 1,283 |
| Median (feet) | 18.1 | Motor vessel over 65 feet . | 10 |
| Hull materials: | | Other | 952 |
| Wood | 1,919 | Uses: | |
| Steel | 31 | Pleasure | 11,273 |
| Aluminum | 429 | Commercial fishing | 1,171 |
| Plastic | 10,054 | Charter fishing | 12 |
| Other | 689 | Commercial passenger | 140 |
| Propulsion: | | Other commercial | 58 |
| Inboard | 880 | Livery | 180 |
| Outboard | 7,419 | Dealer or manufacturer | 7 |
| Inboard/outboard | 1,978 | Youth group | 22 |
| Sail/inboard | 584 | Government | 198 |
| Sail/outboard | 609 | Other | 61 |
| Sail only | 1,309 | Island kept: | |
| Other | 343 | Hawaii | 1,633 |
| Type of storage: | | Kauai | 983 |
| On water | 2,595 | Lanai | 50 |
| On land | 10,527 | Maui | 1,109 |
| | | Molokai | 189 |
| | | Oahu | 9,158 |

Source: Hawaii State Department of Transportation, Harbors Division, Report of Undocumented Vessel Registration (annual).

Table 513.-- BOATING ACCIDENTS: 1983 AND 1984

| Year | Number of accidents | | Number of persons | | Number of vessels involved | Amount of damage (\$1,000) |
|------------|---------------------|-------|-------------------|---------------------|----------------------------|----------------------------|
| | Total | Fatal | Killed | Injured non-fatally | | |
| 1983 | 41 | 2 | 3 | 15 | 51 | 253.6 |
| 1984 | 42 | 6 | 8 | 9 | 52 | 304.8 |

Source: U.S. Department of Transportation, Coast Guard, Boating Statistics (annual).

Table 514.-- SHIP ARRIVALS AT THE PORT OF HONOLULU:
1974 TO 1984

[Years ended June 30]

| Year | Overseas vessels | | Interisland vessels | |
|------------|------------------|---------------|---------------------|---------------|
| | Number | Gross tonnage | Number | Gross tonnage |
| 1974 | 1,587 | 13,465,620 | 3,666 | 2,879,354 |
| 1975 | 1,602 | 13,025,705 | 3,440 | 2,411,933 |
| 1976 | 1,386 | 11,700,000 | 2,733 | 2,064,320 |
| 1977 | 1,589 | 12,568,896 | 2,700 | 2,249,446 |
| 1978 | 1,651 | 12,676,469 | 1,981 | 1,947,893 |
| 1979 | 1,757 | 12,101,936 | 2,875 | 2,838,609 |
| 1980 | 1,963 | 10,483,989 | 2,338 | 2,572,778 |
| 1981 | 1,968 | 10,959,161 | 2,597 | 2,670,405 |
| 1982 | 1,943 | 9,604,985 | 2,496 | 2,598,632 |
| 1983 | 1,775 | 10,406,544 | 2,662 | 2,623,321 |
| 1984 | 1,686 | 10,397,905 | 2,660 | 3,649,085 |

Source: Hawaii State Department of Transportation, Harbors Division, unpublished data, November 7, 1985.

Table 515.-- VESSELS ARRIVING AT SPECIFIED HARBORS: 1983

[Excludes domestic fishing craft]

| Harbor | Total inbound vessels | By type of vessel | | |
|---------------------|-----------------------|-------------------------|--------|--------------------|
| | | Self propelled vessels | | |
| | | Passenger and dry cargo | Tanker | Towboat or tugboat |
| Hilo | 846 | 98 | 7 | 305 |
| Kawaihae | 398 | 9 | 4 | 165 |
| Kahului | 1,110 | 81 | 9 | 411 |
| Kaunapau | 1,472 | 794 | - | 355 |
| Kaunakakai | 796 | - | - | 375 |
| Kalaupapa | 8 | - | - | 4 |
| Honolulu | 6,946 | 2,876 | 51 | 1,981 |
| Barbers Point | 457 | 3 | 97 | 315 |
| Nawiliwili | 552 | 62 | 1 | 156 |
| Port Allen | 47 | - | - | 26 |

| Harbor | By type of vessel -- con. | | By draft | |
|---------------------|----------------------------|--------|------------------|------------------|
| | Non-self propelled vessels | | 18 feet and less | 19 feet and more |
| | Dry cargo | Tanker | | |
| Hilo | 374 | 62 | 809 | 37 |
| Kawaihae | 213 | 7 | 385 | 13 |
| Kahului | 525 | 84 | 1,008 | 102 |
| Kaunapau | 323 | - | 1,472 | - |
| Kaunakakai | 412 | 9 | (1/) | (1/) |
| Kalaupapa | 4 | - | 8 | - |
| Honolulu | 1,830 | 208 | 6,276 | 670 |
| Barbers Point | - | 42 | 364 | 93 |
| Nawiliwili | 310 | 23 | 538 | 14 |
| Port Allen | 17 | 4 | 47 | - |

1/ Not available. All vessels were 22 feet and less.

Source: U.S. Department of the Army, Corps of Engineers, Waterborne Commerce of the United States, Calendar Year 1983, Part 4 (1985), pp. 98-99.

Table 516.-- TRANSPACIFIC AND INTERISLAND SURFACE REVENUE PASSENGERS:
1979 TO 1984

| Year | Transpacific passengers <u>1/</u> | | | Inter-island passenger arrivals <u>2/</u> |
|------------|-----------------------------------|-----------|-----------|-------------------------------------------|
| | Disembarking | Embarking | Intransit | |
| 1979 | 551 | 318 | 11,536 | - |
| 1980 | 399 | 353 | 11,421 | 15,763 |
| 1981 | 614 | 510 | 9,847 | 33,108 |
| 1982 | 542 | 461 | 6,785 | 39,057 |
| 1983 | 741 | 740 | 8,419 | 56,073 |
| 1984 | 726 | 361 | 6,692 | 78,443 |

1/ Data refer to years ended June 30 through 1983 and calendar years thereafter. Data limited to the Port of Honolulu.

2/ Calendar year statistics. Interisland cruise ship service was begun June 21, 1980. Data exclude interisland travel by transpacific cruise ships.

Source: Transpacific passengers from TheoDavies Marine Agencies, Inc., records; interisland passengers from American Hawaii Cruises, records.

Table 517.-- OVERSEAS AND INTERISLAND SHIPPING: 1978 TO 1983

[In short tons]

| Calendar year | Overseas cargo | | | Interisland cargo | | |
|---------------|----------------|-----------|-----------|-------------------|-----------|-----------|
| | Total | In | Out | Total | In | Out |
| 1978 ... | 12,279,219 | 9,089,931 | 3,189,288 | 6,547,820 | 3,274,080 | 3,273,740 |
| 1979 ... | 11,823,885 | 9,255,026 | 2,568,859 | 5,631,539 | 2,917,854 | 2,713,685 |
| 1980 ... | 11,666,648 | 9,395,453 | 2,271,195 | 5,745,346 | 2,965,962 | 2,779,384 |
| 1981 ... | 11,683,330 | 9,389,458 | 2,293,872 | 7,230,395 | 3,691,297 | 3,539,098 |
| 1982 ... | 10,503,229 | 8,168,339 | 2,334,890 | 7,204,456 | 3,697,785 | 3,506,671 |
| 1983 ... | 11,853,502 | 9,371,317 | 2,482,185 | 8,337,860 | 4,285,416 | 4,052,444 |

Source: Hawaii State Department of Transportation, Harbors Division, estimates based on data in U.S. Department of the Army, Corps of Engineers, Waterborne Commerce of the United States (annual), and printouts.

Table 518.-- FREIGHT AND PASSENGER TRAFFIC FOR SPECIFIED HARBORS:
1973 TO 1983

| Subject and year | Hilo | Kawaihae | Kahului | Hono- lulu 1/ | Barbers Point | Nawiliwili |
|--------------------------------------------|-----------|----------|-----------|------------------|------------------|------------|
| FREIGHT TRAFFIC 2/ (SHORT TONS) | | | | | | |
| 1973 | 1,041,647 | 385,850 | 1,042,818 | 8,188,466 | 3,944,857 | 495,448 |
| 1974 | 928,619 | 291,036 | 982,110 | 7,556,891 | 4,360,221 | 380,495 |
| 1975 | 1,053,879 | 279,687 | 1,109,485 | 7,935,183 | 5,185,659 | 532,978 |
| 1976 | 995,544 | 263,562 | 1,276,424 | 7,189,538 | 6,593,497 | 460,900 |
| 1977 | 1,013,430 | 318,197 | 1,301,095 | 6,881,556 | 6,630,994 | 557,798 |
| 1978 | 1,272,734 | 502,451 | 1,922,112 | 7,750,537 | 6,306,580 | 765,877 |
| 1979 | 1,220,438 | 447,521 | 1,473,307 | 7,463,663 | 6,154,541 | 757,899 |
| 1980 | 1,102,019 | 518,116 | 1,441,524 | 7,646,270 | 5,725,722 | 785,212 |
| 1981 | 1,441,590 | 432,704 | 1,551,944 | 8,269,671 | 5,589,741 | 906,595 |
| 1982 | 1,381,996 | 441,130 | 1,483,955 | 7,593,097 | 5,707,386 | 808,153 |
| 1983 | 1,522,442 | 441,458 | 1,842,568 | 8,039,850 | 7,051,230 | 1,008,699 |
| PASSENGERS 3/ | | | | | | |
| 1973 | - | - | - | 989,100 | - | - |
| 1974 | 9,600 | - | 9,600 | 987,475 | - | - |
| 1975 | 13,613 | - | 11,296 | 1,073,125 | - | 13,934 |
| 1976 | 1,313 | - | 1,307 | 1,390,524 | - | 40,674 |
| 1977 | 8,381 | - | 8,390 | 303,291 | 3,504 | 70,063 |
| 1978 | 3,207 | - | 3,879 | 183,721 | 4,441 | 6,384 |
| 1979 | - | - | - | 311,899 | - | - |
| 1980 | - | - | - | 547,242 | - | - |
| 1981 | - | - | - | 521,624 | - | - |
| 1982 | - | - | - | 465,466 | - | - |
| 1983 | - | - | - | 688,689 | - | - |

1/ For discussion of the accuracy of these data, see the Data Book 1982, table 441.

2/ Excludes cargo carried by Army and Navy vessels and cargo in transit.

3/ Total arrivals and departures for transpacific, interisland, and local travel.

Source: U.S. Department of the Army, Corps of Engineers, Waterborne Commerce of the United States, Calendar Year 1983, Part 4 (1985), pp. 29-34.

Table 519.-- FREIGHT TRAFFIC, BY COMMODITIES, FOR SPECIFIED HARBORS: 1982

[In short tons. Commodities under 200,000 tons not shown separately]

| Harbor and commodity | Total | Foreign | | Interstate 1/ | | Interisland 1/ | | In- ternal re- ceipts |
|-------------------------------------------|-----------|--------------|--------------|---------------|----------------|----------------|----------------|--------------------------------|
| | | Im- ports | Ex- ports | Re- ceipts | Ship- ments | Re- ceipts | Ship- ments | |
| Hilo | 1,381,996 | 19,027 | 19,033 | 48,672 | 221,135 | 771,644 | 301,962 | 523 |
| Sugar | 214,689 | - | - | - | 214,666 | 23 | - | - |
| Fabricated metal products | 302,358 | - | - | - | - | 179,079 | 123,279 | 50 |
| Kawaihae | 441,130 | - | - | 3,767 | 130,114 | 200,317 | 106,882 | 83 |
| Kahului | 1,483,955 | 16,936 | 10,477 | 14,885 | 188,158 | 862,466 | 390,950 | - |
| Fabricated metal products | 327,980 | - | - | 324 | - | 221,044 | 106,612 | - |
| Honolulu | 7,593,097 | 870,710 | 179,650 | 2,031,300 | 848,012 | 1,295,086 | 2,368,207 | 132 |
| Fresh fruits | 375,584 | 1,206 | 1,185 | 16,721 | 80,417 | 274,697 | 1,358 | - |
| Crude petroleum | 520,657 | 520,657 | - | - | - | - | - | - |
| Prep. fruit, veg. juice . | 420,059 | 3,136 | 6,272 | 8,340 | 280,131 | 120,930 | 1,250 | - |
| Molasses | 336,554 | - | 7,165 | - | 192,559 | 136,830 | - | - |
| Gasoline | 260,756 | 27,902 | 9,063 | 34,296 | 26,749 | - | 162,746 | - |
| Distillate fuel oil | 391,615 | - | 40,204 | 46,988 | - | - | 304,423 | - |
| Residual fuel oil | 272,975 | 610 | 50,038 | 16,291 | 2,484 | - | 203,552 | - |
| Fabricated metal products | 986,218 | 6,311 | 1,298 | 33,730 | 555 | 332,037 | 612,287 | - |
| Motor vehicles, parts, equipment | 425,285 | 29,041 | 456 | 53,473 | 22,494 | 116,069 | 203,752 | - |
| Barbers Point | 5,707,386 | 2,349,792 | 368,854 | 2,772,009 | 182,643 | - | 34,088 | - |
| Crude petroleum | 4,283,466 | 2,295,488 | - | 1,987,978 | - | - | - | - |
| Gasoline | 217,020 | 54,292 | 83,542 | - | 79,186 | - | - | - |
| Residual fuel oil | 1,023,770 | - | 232,119 | 710,720 | 67,896 | 13,035 | - | - |
| Nawiliwili | 808,153 | 22,102 | - | 19,139 | 186,814 | 384,551 | 195,428 | 119 |
| Fabricated metal products | 205,793 | - | - | 3 | - | 127,060 | 78,730 | - |

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Continued on next page.

Table 519.-- FREIGHT TRAFFIC, BY COMMODITIES, FOR SPECIFIED HARBORS: 1982 -- Con.

| Harbor and commodity | Total | Foreign | | Interstate 1/ | | Interisland 1/ | | Internal receipts |
|----------------------|---------|---------|---------|---------------|-----------|----------------|-----------|-------------------|
| | | Imports | Exports | Receipts | Shipments | Receipts | Shipments | |
| Pearl Harbor | (NA) | (NA) | (NA) | - | - | 16,637 | 42,885 | (NA) |
| Hana | 11 | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) | (NA) |
| Kaunapau | 264,165 | (NA) | (NA) | - | - | 50,735 | 213,423 | (NA) |
| Fresh fruits | 212,783 | - | - | - | - | 90 | 212,693 | - |
| Kaunakakai | 221,003 | (NA) | (NA) | - | - | 111,839 | 109,154 | (NA) |
| Kalaupapa | 1,412 | - | - | - | - | 1,167 | 245 | - |
| Port Allen | 71,913 | (NA) | (NA) | - | - | 71,882 | - | (NA) |

NA Not available.

1/ Interstate and interisland (or intrastate) data are combined in the coastwise totals shown in the published reports.

Source: U.S. Department of the Army, Corps of Engineers, Waterborne Commerce of the United States, Calendar Year 1982, Part 4 (July 1984), pp. 30-37, and unpublished printouts.

Table 520.-- FREIGHT TRAFFIC, BY COMMODITIES, FOR SPECIFIED HARBORS: 1983

[In short tons]

| Harbor and commodity <u>1/</u> | Total | Foreign | | Interstate <u>2/</u> | | Interisland <u>2/</u> | | Internal receipts | Local |
|--------------------------------|-----------|-----------|---------|----------------------|-----------|-----------------------|-----------|-------------------|-------|
| | | Imports | Exports | Receipts | Shipments | Receipts | Shipments | | |
| Hilo | 1,522,442 | 10,107 | 34,871 | 26,231 | 197,314 | 867,704 | 385,958 | 257 | - |
| Sugar | 205,893 | - | - | - | 183,433 | 4 | 22,456 | - | - |
| Fabricated metal products ... | 367,001 | - | - | - | - | 197,857 | 169,144 | - | - |
| Kawaihae | 441,458 | 7,172 | 11,019 | 362 | 152,713 | 166,467 | 103,671 | 54 | - |
| Kahului | 1,842,568 | 25,083 | 48,834 | 8,655 | 259,348 | 1,023,210 | 477,407 | 31 | - |
| Sugar | 257,949 | - | 5 | - | 254,413 | - | 3,531 | - | - |
| Fabricated metal products ... | 383,785 | - | - | - | - | 244,009 | 139,776 | - | - |
| Barbers Point | 7,051,230 | 3,525,590 | 366,972 | 2,836,068 | 228,987 | - | 93,613 | - | - |
| Crude petroleum | 5,439,032 | 3,515,870 | - | 1,923,162 | - | - | - | - | - |
| Residual fuel oil | 1,318,978 | - | 275,491 | 829,105 | 174,601 | - | 39,781 | - | - |
| Honolulu | 8,039,850 | 695,389 | 109,404 | 2,208,079 | 830,495 | 1,537,355 | 2,658,781 | 166 | 181 |
| Fresh fruits | 417,017 | 1,079 | 1,444 | 19,924 | 78,906 | 313,616 | 2,048 | - | - |
| Prep. fruit/veg. juice, nec. | 407,922 | 2,199 | 7,015 | 8,320 | 263,364 | 125,720 | 1,304 | - | - |
| Molasses | 352,616 | - | - | - | 214,168 | 138,364 | 84 | - | - |
| Miscellaneous food products . | 222,329 | 5,631 | 2,759 | 29,147 | 2,894 | 98,917 | 82,981 | - | - |
| Gasoline | 220,855 | - | - | 32,945 | 16,312 | - | 171,598 | - | - |
| Jet fuel | 296,804 | 122,887 | - | 164,594 | - | - | 9,323 | - | - |
| Distillate fuel oil | 415,855 | 22,630 | 23,216 | 6,944 | - | 7,732 | 355,152 | - | 181 |
| Residual fuel oil | 339,080 | 63,373 | 6,274 | 1 | 4,140 | 21,162 | 244,130 | - | - |
| Fabricated metal products ... | 1,155,576 | 7,050 | 665 | 50,480 | 227 | 434,042 | 663,112 | - | - |
| Motor vehicles, parts, equip. | 505,532 | 32,582 | 195 | 66,346 | 23,065 | 108,969 | 274,375 | - | - |
| Commodities, nec. | 812,771 | 821 | 11 | 421,411 | 25,574 | 45,869 | 319,085 | - | - |
| Nawiliwili | 1,008,699 | 20,965 | 5,000 | 7,616 | 237,228 | 506,306 | 231,512 | 72 | - |
| Sugar | 260,307 | - | - | - | 237,228 | 20,546 | 2,533 | - | - |
| Fabricated metal products ... | 292,590 | - | - | - | - | 170,295 | 122,295 | - | - |

Continued on next page.

Table 520.-- FREIGHT TRAFFIC, BY COMMODITIES, FOR SPECIFIED HARBORS: 1983 -- Con.

| Harbor and commodity <u>1/</u> | Total | Foreign | | Interstate <u>2/</u> | | Interisland <u>2/</u> | | Internal receipts | Local |
|--------------------------------|---------|---------|---------|----------------------|-----------|-----------------------|-----------|-------------------|-------|
| | | Imports | Exports | Receipts | Shipments | Receipts | Shipments | | |
| Hana | 12 | (NA) | (NA) | - | - | - | - | (NA) | - |
| Kalaupapa | 1,047 | - | - | - | - | 802 | 245 | - | - |
| Kaunakakai | 208,116 | (NA) | (NA) | - | - | 106,599 | 101,502 | (NA) | - |
| Port Allen | 77,820 | (NA) | (NA) | - | - | 77,775 | - | (NA) | - |
| Kaumalapau | 307,657 | (NA) | (NA) | - | - | 55,388 | 252,261 | (NA) | - |
| Fresh fruits | 251,544 | - | - | - | - | 98 | 251,446 | - | - |
| Pearl Harbor | (NA) | (NA) | (NA) | 73,739 | - | 11,844 | 36,473 | (NA) | - |

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NA Not available.

1/ Commodities under 200,000 tons are not shown separately.

2/ Interstate and interisland (or intrastate) data are combined in the coastwise totals shown in the published reports.

Source: U.S. Department of the Army, Corps of Engineers, Waterborne Commerce of the United States, Calendar Year 1983, Part 4 (1985), pp. 29-35, and unpublished printouts.