# STATE ROUTE SYSTEM

## CITY & COUNTY OF HONOLULU

ISLAND OF OAHU

**STATE OF HAWAII**
**DEPARTMENT OF TRANSPORTATION**

PREPARED BY THE
HIGHWAYS DIVISION, PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

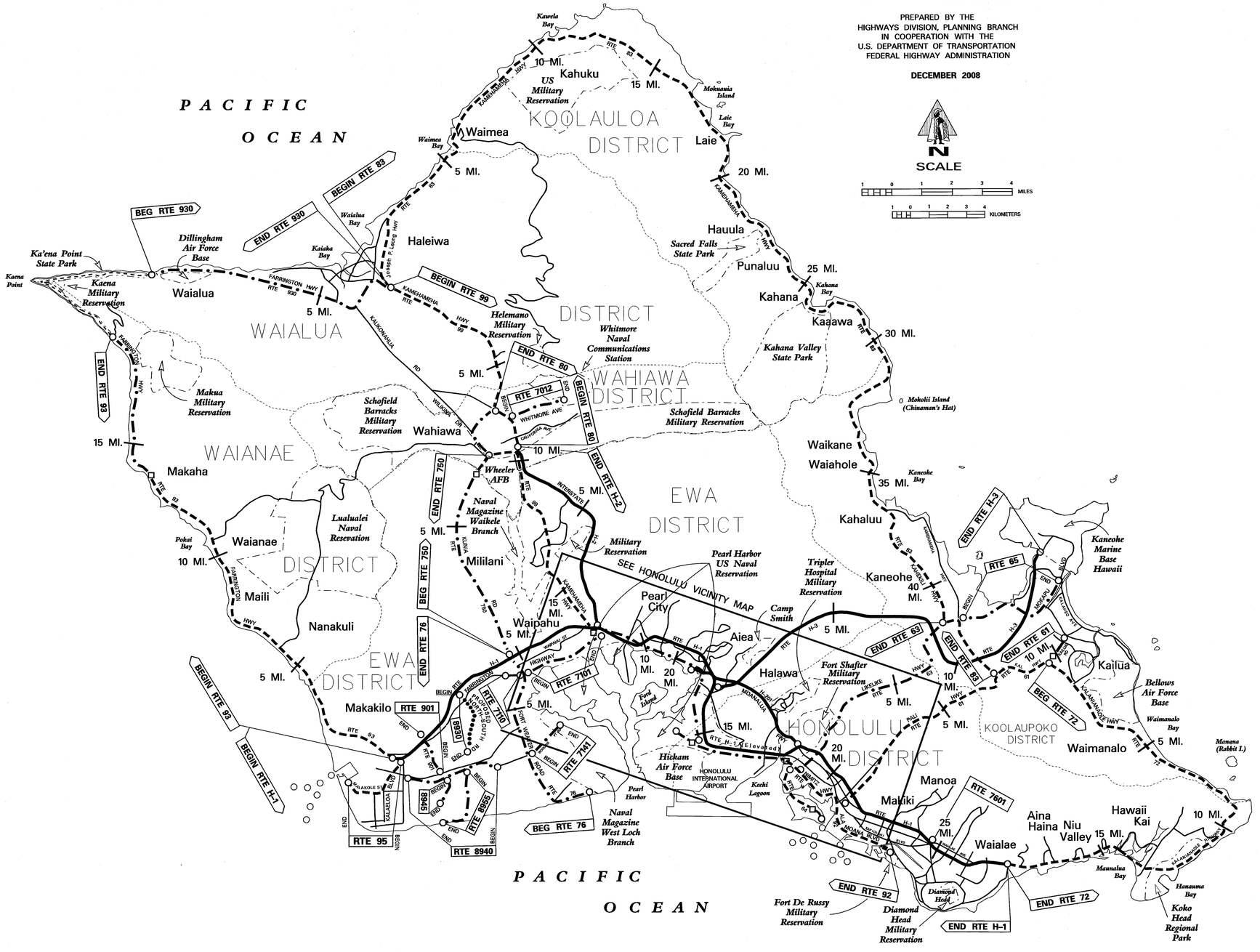
**DECEMBER 2008**

OAHU:

| ROUTE | LENGTH | (MILES) |
|---|---|---|
| H–1 | 27.16 | (Queen Lili'uokalani Freeway, Lunalilo Freeway) |
| H–2 | 8.33 | (Veterans Memorial Freeway) |
| H–3 | 15.32 | (John A. Burns Freeway) |
| H–201 | 4.09 | (Moanalua Freeway) |
| SUBTOTAL | **54.90** | (Interstate) |
| 61 | 10.60 | (Pali Hwy, Kalanianaole Hwy., Kailua Rd.) |
| 63 | 8.28 | (Kalihi St., Likelike Hwy.) |
| 64 | 2.60 | (Sand Island Pkwy. and Access Rd.) |
| 65 | 4.15 | (Kaneohe Bay Dr., Mokapu Saddle Rd., Mokapu Blvd.) |
| 72 | 18.44 | (Kalanianaole Hwy.) |
| 76 | 6.64 | (Fort Weaver Road, Kunia Rd.) |
| 78 | 0.74 | (Moanalua Freeway) |
| 80 | 1.88 | (Kamehameha Highway) |
| 83 | 43.92 | (Kam. Hwy., Kahekili Hwy., Likelike Hwy.) |
| 92 | 9.26 | (Nimitz Hwy., Ala Moana Blvd.) |
| 93 | 19.53 | (Farrington Hwy.) |
| 95 | 2.68 | (Kalaeloa Blvd., Malakole St.) |
| 98 | 1.76 | (Vineyard Blvd.) |
| 99 | 23.83 | (Kam. Hwy., Kamananui Rd., Wilikina Dr., Farrington Hwy.) |
| 750 | 8.05 | (Kunia Road) |
| 901 | 1.38 | (Fort Barrette Road) |
| 930 | 7.92 | (Farrington Hwy., Kaukonahua Rd.) |
| 7012 | 1.87 | (Whitmore Ave.) |
| 7101 | 3.00 | (Farrington Hwy.) |
| 7110 | 0.60 | (Farrington Hwy.) |
| 7141 | 1.51 | (Iroquois Rd.) |
| 7239 | 0.32 | (Ulune St., Halawa Valley Rd.) |
| 7241 | 2.32 | (Kahuapaani St., Halawa Hts. Rd.) |
| 7310 | 1.03 | (Puuloa Rd.) |
| 7345 | 0.55 | (Jarrett White Rd.) |
| 7350 | 0.59 | (Bougainville Dr.) |
| 7351 | 0.23 | (Radford Dr.) |
| 7401 | 0.10 | (Kam Hwy.) |
| 7413 | 0.35 | (Liliha St.) |
| 7415 | 0.51 | (Middle St.) |
| 7601 | 0.41 | (Old Waialae Rd.) |
| 8930 | 0.00 | (North–South Road – 2.47 mi. Proposed Road) |
| 8940 | 3.44 | (Franklin D. Roosevelt Ave.) |
| 8945 | 0.98 | (Enterprise Ave.) |
| 8955 | 2.69 | (Coral Sea Rd.) |
| SUBTOTAL | **192.16** | (State Routes only) |
| **TOTAL** | **247.06** | (State & Interstate) |
| 7414 | 0.41 | (Middle St. – NHS Section of County Route) |
| 74140 | 0.12 | (Notley – NHS Local Rd.) |
| SUBTOTAL | 0.53 | (County NHS) |

**LEGEND**

- INTERSTATE
- STATE (NHS)
- STATE (Non–NHS)
- COUNTY (NHS)
- WATER (NHS)
- PROPOSED
- ○ Route termini point
- □ NHS to non–NHS transition point




| Date Released |
|---|
| Dec 2002, JK |
| **Revised** |
| Apr. 04 DB |
| March 07 DB |
| Feb 09 DB |

# STATE ROUTE SYSTEM

## HONOLULU VICINITY
## ISLAND OF OAHU

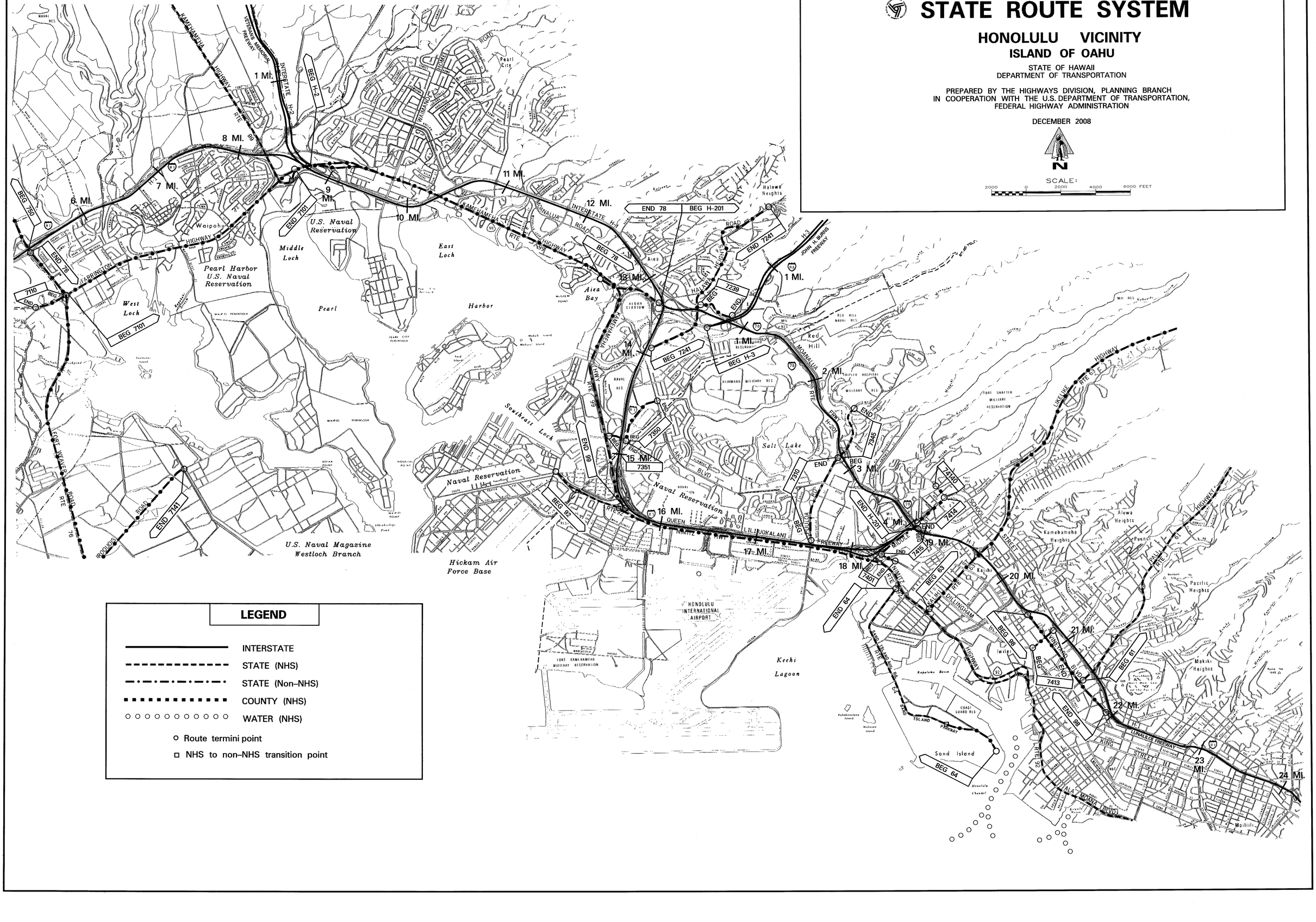
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION

PREPARED BY THE HIGHWAYS DIVISION, PLANNING BRANCH
IN COOPERATION WITH THE U.S. DEPARTMENT OF TRANSPORTATION,
FEDERAL HIGHWAY ADMINISTRATION

DECEMBER 2008

N

SCALE:
2000 0 2000 4000 6000 FEET


1 MI.
2 MI.
3 MI.
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5 MI.
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7 MI.
8 MI.
9 MI.
10 MI.
11 MI.
12 MI.
13 MI.
14 MI.
15 MI.
16 MI.
17 MI.
18 MI.
19 MI.
20 MI.
21 MI.
22 MI.
23 MI.
24 MI.
BEG 7101
END 7101
BEG 7110
END 7110
BEG 7141
END 7141
BEG 78
END 78
BEG H-2
BEG H-201
END H-201
BEG H-3
BEG 7239
END 7239
BEG 7241
END 7241
BEG 7310
END 7310
BEG 7345
END 7345
BEG 7351
END 7351
BEG 7360
END 7360
BEG 7401
END 7401
BEG 7413
END 7413
BEG 7414
END 7414
BEG 7415
END 7415
BEG 7440
END 7440
BEG 63
BEG 64
BEG 92
END 92
BEG 98
END 98
BEG 99
END 99
Pearl Harbor U.S. Naval Reservation
Middle Loch
East Loch
West Loch
Pearl Harbor
Aiea Bay
Southeast Loch
Salt Lake
Naval Reservation
U.S. Naval Magazine Westloch Branch
Hickam Air Force Base
HONOLULU INTERNATIONAL AIRPORT
Keehi Lagoon
Sand Island
Waipahu
Pearl City
Aiea
Halawa Heights
Alewa Heights
Kamehameha Heights
Pacific Heights
Makiki Heights
Red Hill
Moanalua
Kalihi
Iwilei
Puuhale
Mokuleia
Waialua
Haleiwa
Waimanalo
Kaneohe
Kailua
Waimanalo
Mokapu
Kahuku
Laie
Hauula
Waialua
Haleiwa
Mokuleia
Waianae
Makaha
Nanakuli
Maili
Waipio
Waikele
Ewa
Kapolei
Ewa Beach
Barbers Point
Iroquois Point
Fort Weaver Road
Kamehameha Highway
Veterans Memorial Freeway
Interstate H-1
Interstate H-2
Interstate H-3
John A. Burns Freeway
Farrington Highway
Waipio Peninsula
Pearl City Peninsula
Fort Shafter Military Reservation
Tripler Army Medical Center
Aliamanu Military Reservation
Camp H.M. Smith
Joint Base Pearl Harbor-Hickam
Joint Kaneohe Bay Military Reservation
Kapalama Basin
Kuhekoumoku Island
Mokoliiki Island
Moku Manu
Mokulua Islands
Manana Island
Kaohikaipu Island
Coast Guard Base
Naval Base
Naval Hospital
Naval Housing
Naval Station
Naval Radio Station
Naval Magazine
Naval Reservation
Military Reservation
Aloha Stadium
Veterans Cemetery
Punchbowl Crater
Diamond Head Crater
Koko Crater
Koko Head
Makapuu Point
Kaena Point
Mauna Kapu
Kaiwi Channel
Mamala Bay
Kaneohe Bay
Waimanalo Bay
Kahana Bay
Kaaawa Bay
Kahuku Point
Waialua Bay
Haleiwa Boat Harbor
Waianae Boat Harbor
Nanakuli Beach Park
Maili Beach Park
Waipio Point

# ROAD INVENTORY

# OAHU RTE H–1

## QUEEN LILI'UOKALANI FREEWAY

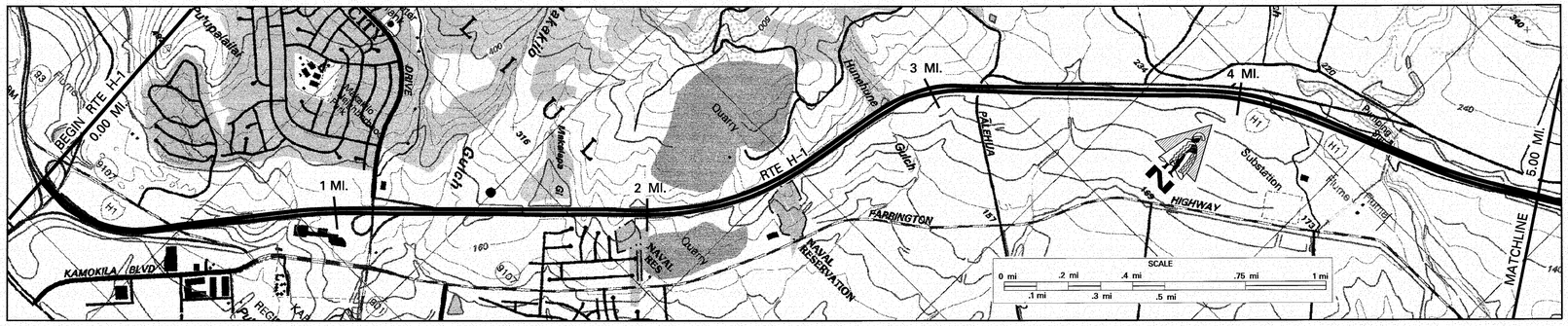
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 27.16 | MILES (a+b) |
| a. Existing Length: | 27.16 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 27.16 | MILES (a+b, less c) |
| a. Existing Length: | 27.16 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Maintenance Control Sections : Length and Description

Begin H1-A on Farrington Hwy .322' W. of ℄ Intersection of Kalaeloa Blvd. — H–1 A (5.10mi.)

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed

TBM 1966 0.08 | CBG 1966 0.49 | CBG 1981 1.12 | Culvert 28' 1966 1.37 | Slab, HS–20–44 1966/87 35' 3.16 | Culvert, HS–20 1966 27' 3.45 | P/CB, HS–20–44 1966/87 137' 4.51

Vertical Clearance

Horizontal Clearance

99' 1.31 | 52' O.B. 52' I.B. | 99' | 52' O.B. 52' I.B.

**Structure Over Road**

Vertical Clearance

18' | 17' 07' | 18'

Horizontal Clearance

41' | 53' | 58'

Right of Way Width (min.–max.) if varies

220' 0.40 | 80' 0.51 | 180'–270' 1.29 | 250'–350' 2.00 | 190'–280'

Available Right of Way Width (Needs Study) — 1000' Bushes

Right of Way Fence: Type – Right and Left

0.00 Chain Link Fence / Chain Link Fence | 1.00 | 1.29 Chain Link Fence 50'–100' from E.P. / Chain Link Fence 50'–100' from E.P.

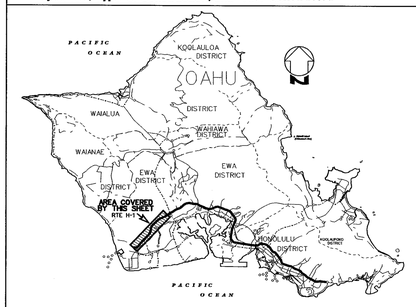
Control of Access: 1–None, 2–Partial, 3–Full — Full

Jurisdiction, Transfer Phase No. and Date (C to S or S to C) — State

Project No., Type of Construction, and Year Constructed

IM-NH-H1(239), 2004 RECONSTRUCTION 0.44 | 1.06 | 1.19 (H1A-01-02M, 2004 Rehab) | IM–H1–1(219) 2000 4.79

Project No., Type of Construction, and Year Constructed (93A–01–96M, 1997, Resurf.) 0.00 — IR–H1–1(189), Additional Lanes




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

BEG. RTE H-1 ON FARRINGTON HWY. 322' WEST OF ℄ PALAILAI INTERCHANGE (SAME AS BEG. RTE 93)

Off-Ramp to Kapolei Kalaeloa Blvd. O.P. 0.01 mi. | Off-Ramp to Barbers Point ECB 0.06 mi. | Off-Ramp from On-Ramp to Barbers Point 0.24 mi. | Farr. Hwy. O.P. 0.28 mi. | ECB (R) 0.42 mi. | Makakilo Dr. O.P. (RTE 901) 0.49 mi. | 1MP 1.00 mi. | ECB (R) 1.05 mi. | Off-Ramp to Makakilo Culvert 1.12 mi. | ECB 1.27 mi. | On-Ramp from Fort Barrette Road 1.26 mi. | On-Ramp "MB" from Makakilo 1.31 mi. | ECB 1.34 mi. | 1.45 mi. | 1.60 mi. | 2MP 2.00 mi. | 2MP & ECB (R) 2.48 mi. | ECB (R) 2.89 mi. | 3MP 3.00 mi. | Palehua Sep. U.P. 3.16 mi. | Culvert Telemetry Sta. C10K 3.40 mi. | ECB (R) 3.43 mi. | 3.45 mi. | 3.88 mi. | ECB 4MP 4.00 mi. | 4.19 mi. | Honouliuli Stream Br. 4.43 mi. | ECB (R) 4.51 mi. | On-Ramp from Kunia 4.98 mi.

QUEEN LILI'UOKALANI FREEWAY — RTE H–1

CONT. ON SHEET #2

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

**Divided Highway — Undivided**

Shoulder: Width and Type

Pavement: Width and Type — 24' AC 0.10 — 6'–10' AC — 36' PCC — 6'–10' AC/ 6' PCC 3.98

Shoulder: Width and Type — 4'–6' AC 0.43 — 8'–12' AC

Median: Width and Type — 4" Grs. (R) | 2% | 12'–14' Sloped Grass (R) 3.24 | 8'–16' Grass (R)

Median Barrier LEGEND: Concrete Barrier ——— Zipper Barrier - - - - - M/M Guard Rails ⊢—⊣ — 2% 3.24

**Divided Highway — Divided**

Shoulder: Width and Type — 2'–4' AC

Pavement: Width and Type — 24' AC | 24' PCC 0.43 — 36' PCC — 34' PCC/ 2' AC (median side) — 36' PCC — 34' PCC/ 2'AC(med. side) — 36' PCC

Shoulder: Width and Type — 4' AC/ 4' Grs. 0.10 | 10' AC/ 4'–30' Grass 0.81 — 10' AC 3.00 — 0'–8' PCC/ 6' AC 3.85 — 8'–10' AC/ 6'–8' Grass 3.99 — 8'–10' AC 4.36 — 0'–4' PCC/ 4' AC 4.65 — 8'–10 AC

Number of Traffic Lanes — 2–12' 0.10 — 2–12' 0.42 — 3–12' — 3–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — (15'–24' DECEL.) 1.31 | 1.38 — 1–12' Accel. 4.79 | 4.98

(Right Side) — (2 – 15' ACCEL.) 1.26 | 1.31 — (1 – 15' ACCEL.) 1.42

Frontage Road: No. of Lanes, and Width (Right and Left)

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left) — Conc.

Protective Devices: Type, Location and Number LEGEND: 1=concrete barrier 2=concrete wall, 3=metal w/ metal rail — 3 Crash Barrier 0.43 | 0.48 — 3 (High Pressure Sodium Lamps) 4.89 | 4.93

Illumination: Type, Location and Number — High Pressure Sodium Lamps — 200 HPS Lamps (High Pressure Sodium)

Curves: Degree of Curvature (Right and Left)

Zipper Lane/Express Lane

Grades: % Grade, Positive or Negative

HOV Lanes/Contra–Flow Lanes

Area and Development: — Large Urbanized (4) (Honolulu – 52)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous — Rolling

Speed: 1–Design, 2–Posted — 60 MPH (MIN 45) ② — 55 MPH 4.87

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

HPMS Sections – AADT 2007 — (42,155) — 42,155 — 49,520 — 122,358

HPMS Sections – AADT 2006 — (37,200) — 41,000 — 44,100 — 105,800

HPMS Sections – AADT 2005 — (36,798) 0.10 — 40,565 0.42 — 43,664 1.25 — 104,799

DOD Sections — DOD 105 0.48 — DOD 106 1.31 — DOD 110

Census Tracts

Functional Classification — Interstate (11)

National Highway System (NHS) — On NHS (1)

Previous Projects: Project No., Date and Limits — I–H1–1(20), 1967 — I–H1–1(108) Safety Imprv., 1976 — I–H1–1(18)Unit 3, 1966

I–H1–1(17) Unit 1, 1967 1.34 — I–H1–1(17) Unit 2, 1966 3.00 — I–H1–1(18) Unit 1, 1966 4.88

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

| Date Released |
|---|
| November 2000 |

| Revised | |
|---|---|
| May 02 | D.B. |
| Aug. 04 | D.B. |
| 6/06 | D.B. |
| Feb 09 | D.B. |

③

# ROAD INVENTORY

# OAHU RTE H–1
## QUEEN LILI'UOKALANI FREEWAY

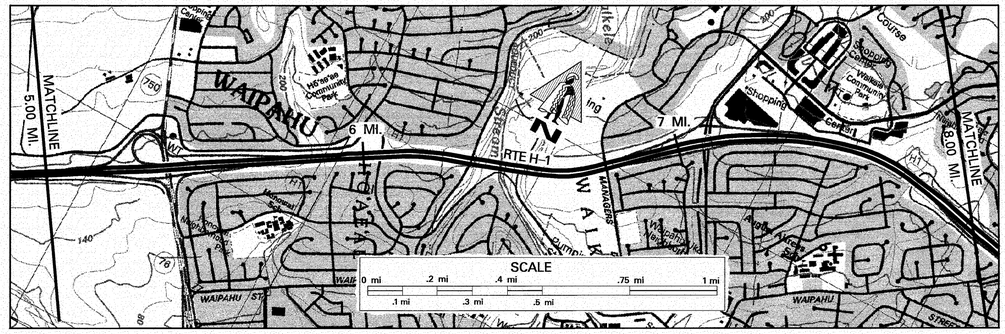
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

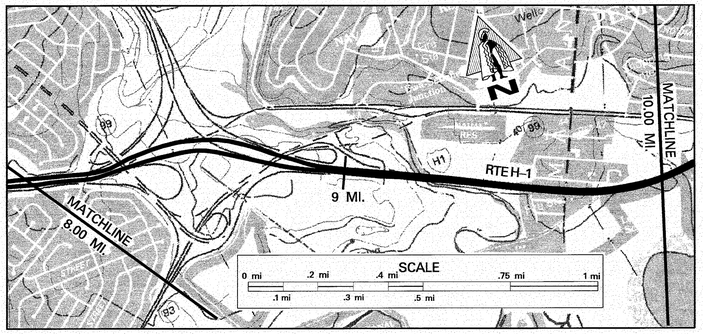
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 27.16 | MILES (a+b) |
| a. Existing Length: | 27.16 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 27.16 | MILES (a+b, less c) |
| a. Existing Length: | 27.16 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

End H1-A, Beg H1-B 0.27 mi. West of West End of Kunia U.P. | H1-B (0.44 mi) | End H1-B and beg. H1-C 0.17 mi. east of east end of Kunia sep. | H1–C (2.52 mi) | End H1-C and beg. H1-D 0.11 mi. west of west end of Waipahu St. O.P. | H1–D (1.13 mi.) | End H1-D and beg. H1-E 0.07 mi. east of east end of Waiawa Rd. structure

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed

P/CB HS–20 1967 — 164' — 62' O.B. 50' I.B.
P/CB HS–20 1967 — 104' — 62'
CBG 1967 — 63'
P/CB HS–20 1968 870' I.B. 832' O.B. — 18' — 65'
CBG 1968 — 18' — 76'
TBM HS–20 200' — 69'
P/CB HS–20 1968 158' — 69'
CBG 1968 — 69'
CBG 1968 — 99'
OF HS–20 1970 — 58'
CBG 1971 — 18'
CBG 1969 — 18' — 32'
CBG 1969 — 18' — 31'
CBG 1969 — 16'–9" — 73'
PLCB HS–20 1969 5946' — 99'

Vertical Clearance: 5.37 | 6.06 | 6.34 | 6.36 | 6.77 | 7.09 | 7.76 | 8.17 | 8.32 | 8.57 | 8.68 | 8.77 | 8.79 | 9.13 | 9.23

Horizontal Clearance: 62' O.B. 50' I.B. | 62' | 63' | 69' | 69' | 58' | 99'

**Structure Over (Min.)**

Vertical Clearance: 18' | 18' | 18' | 18' | 18' | 16'–9"

Horizontal Clearance: 65' | 76' | 69' | 99' | 58' | 32' | 31' | 73'

Right of Way Width (min.–max.) if varies: 190' – 280' | 210' – 365' | 170' – 300'

Available Right of Way Width (Needs Study)

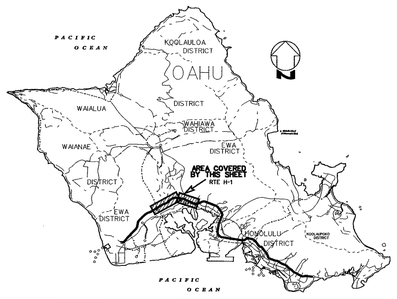
Right of Way Fence: Type – Right and Left (Chain Link 50'–100' from E.P.): 1000' Bushes | Chain Link | Chain Link | Chain Link | Chain Link | Chain Link | Chain Link | 0' Residential | Chain Link

Control of Access: 1–None, 2–Partial, 3–Full: Full

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State

Project No., Type of Construction, and Year Constructed: IR–H1–1(181) Resurf. 1986 | IM–H1–1(256), Resurface, 2008

Project No., Type of Construction, and Year Constructed: I-H1-1(108) Safety Imprv. 1976 | IR–H1–1(181) Resurf. 1986 | H1EFG–01–96, Contraflow and Shldr. Lane, 1998




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

Continued from Sheet #1

Off-Ramp to Ft. Weaver Rd. & Kunia Rd. — 5.08 mi. — 5.10 mi.
Kunia Sep. U.P. (FAS 76 & 750) Off-Ramp to Ft. Weaver Rd. — 5.32 mi. — 5.37 mi.
ECB — 5.58 mi.
On-Ramp from Ft. Weaver Rd. (R) Off-Ramp to Kunia (L) On-Ramp from Kunia (R) — 5.68 mi. — 5.74 mi.
On-Ramp from Ft. Weaver Rd. (R) Off-Ramp to Kunia (L) On-Ramp from Kunia (R) — 5.79 mi. — 6.05 mi.
Hoaeae Sep. U.P. — 6.08 mi. — 6.11 mi.
Waikele Stream Br. — 6.34 mi. — 6.35 mi.
Military Acc. Rd. — 6.52 mi. — 6.55 mi.
Zipper Crossover Ln. — 6.63 mi. — 6.69 mi.
Zipper Crossover Ln. — 6.77 mi.
Manager's Dr. O.P. — 6.78 mi.
On-Ramp from Waikele — 6.85 mi.
Telemetry Loops — 6.86 mi. — 6.95 mi.
Off-Ramp to Waikele — 6.97 mi.
Palwa St. U.P. — 7.08 mi. — 7.12 mi. — 7.15 mi.
Off-Ramp to Waikele 7.40 mi. — 7.33 mi.
On-Ramp from Waikele — 7.56 mi.
Structure #451 U.P. — 7.76 mi.
Zipper Crossover Ln. — 7.87 mi.
Zipper Crossover Ln. — 7.97 mi.
Off-Ramp to Kam Hwy — 8.15 mi. — 8.18 mi. — 8.17 mi.
Off-Ramp U.P. (To U.P.) Pearl City Waipahu St. O.P. — 8.24 mi.
Off-Ramp U.P. Kam Hwy O.P.s (FAP 99) — 8.32 mi. — 8.35 mi. — 8.31 mi.
Off-Ramp — 8.40 mi.
On-Ramp From H-2 — 8.51 mi.
H-2 O.P. — 8.58 mi.
On-Ramp From H-2 — 8.68 mi.
Off-Ramp to H-2 — 8.77 mi. — 8.79 mi.
Farr Hwy. O.P.s — 8.82 mi. — 8.81 mi.
On-Ramp from Waipahu — 8.94 mi.
Off-Ramp to Waiawa Rd. O.P. — 9.13 mi.
Beg Viaduct Off-Ramp to Waipahu Waiawa Rd. O.P. — 9.20 mi. — 9.23 mi.
Hugh St. — 9.59 mi.
Lehua Ave — 9.70 mi.

QUEEN LILI'UOKALANI FREEWAY — RTE H–1

ECB (R) 5MP 5.10 mi. 5.08 mi.
6MP 6.08 mi. ECB (R) 6MP
6.5MP Begin — 6.5MP End — 397+80
384+67
415+00 7MP 7MP
7.5MP 7.5MP
8MP 8.12 mi. 8MP
ECB (R) 8.67 mi.
9MP 9.20 mi. 9MP & ECB (R)

Continued on Sheet #3

**Divided Highway — Undivided**

| | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|
| Shoulder: Width and Type | 6'–8' AC | 8' PCC | 10' AC | 8'–10' AC | | 10' PCC |
| Pavement: Width and Type | 36' PCC / 48' AC | 48' PCC | 48' AC | 33' AC | 55' AC | 55' PCC |
| Shoulder: Width and Type | 4'–12' AC | 4' PCC | 10' AC | 6'–10' AC | 4'–8' AC | 4' PCC |
| Median: Width and Type | 12'–14' Sloped Grass (R) | 4'–20' Grass & Shrubs; 2'–12' Grass & Shrubs; Double Conc. Barr. w/ 12" Gap | 15'–0" Grass & Shrubs; 0'–10' Grass; 10' Grass & Shrubs (R); 8' Grass & Shrubs (R) | 6'–6" Grass & Shrubs; 2'–10' Grass & Shrubs; 55'–100' Sloped Grass & 12' AC; 55'–100' Sloped Grass | 12'–6" Grass & Shrubs (R) | 2' Concrete Barrier / 2" Zipper Barrier |
| Median Barriers: LEGEND: Concrete Barrier ——— Zipper Barrier - - - - - M/M Guard Rails ⊢—⊣ | | | | | | |
| Shoulder: Width and Type | 2'–6' AC | 2' PCC | 10' AC | 6'–8' AC w/ PCC, 10' Grass, Shrubs | 2'–4' AC | 1'–2' PCC |
| Pavement: Width and Type | 36' PCC / 24' PCC / 24' AC / 48' AC | 48' PCC | 48' AC | 36' AC / 24' AC | 55' AC | 55' PCC |
| Shoulder: Width and Type | 8'–10' AC / 0'–15' PCC / 15'–0' AC | 10' AC | 8'–10' AC | 6' AC / 10' AC / 2'–20' Grs | 6'–8' AC / 10'–12' AC | 10' PCC |

Number of Traffic Lanes: 3-12' | 4-12' | 3-11'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 2-12' Decel; 1-12' Accel; 1-12' Decel; 1-12' Decel; 2-12' Decel; 1-12' Accel; 1-12' Accel; 1-12' Accel Ramp from H-2

(Right Side): 1-16' Decel; 1-14' Decel; 1-14' Decel; 1-12' Decel; 1-12' Decel; Ramp to Kam Hwy; Ramp to Kam Hwy

Frontage Road: No. of Lanes, and Width (Right and Left)

Sidewalk: Width and Type (Right and Left): Conc

Curb and/or Gutter: Type (Right and Left): Conc

Protective Devices: Type, Location and Number (LEGEND: 1=conc. barrier, 2=conc. wall, 3=metal w/ metal rail, 4=conc. w/ metal rail)

Illumination: Type, Location and Number: High Pressure Sodium Lamps | HPS (Median, 48) | (3) | High Pressure Sodium Lamps

Curves: Degree of Curvature (Right and Left)

Zipper Lane/Express Lane: (Zipper Lane/Express Lane: Buses and 3 Rider Car Pools, 6 – 8 AM, Monday – Friday)

Shoulder Lanes: 10'–12' AC w/ PCC, 5AM–8AM | 10'–12' AC [HOV Lane near median (2 or more occupants)]

HOV Lanes/Contra–Flow Lanes: HOV Lane near median (2 or more occupants)

Area and Development: Large Urbanized (4) (Honolulu – 52)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Rolling

Speed: 1–Design, 2–Posted: 55 MPH – Minimum 45 MPH ②

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

HPMS Sections – AADT 2007: 122,358 | 116,745 | 171,380 | 156,855 | 153,320 | 153,320 | 219,575

HPMS Sections – AADT 2006: 105,800 | 105,800 | 101,810 | 155,300 | 151,800 | 151,800 | 217,400

HPMS Sections – AADT 2007: 104,799 | 104,799 | 100,894 | 153,785 | 113,777 | 150,280 | 215,249

DOD Sections: DOD 110 | DOD 115 | DOD 120

Census Tracts

Functional Classification: Interstate (11)

National Highway System (NHS): On NHS (1)

Previous Projects: Project No., Date and Limits: IM–H1–1(224) (R) 1986 | H1-EG-01-95M (R) 1995 | H1E–01–94M Shldr Imprv 1994 | IR–H1–1(206), Ph. 2 & IR–H1–1(193) Additional Lanes 1987/88 | IR–H1–1(181) Resurf. 1986 | I-H1-1(108) Safety Imprv. 1976 | (I-H1-1(18) U-2 1966) | IR–H1–1(212) Hwy Lighting 1994 | I-H1-1(18) U-2 1966 | I-H1-1(108) U-3 1966 | I-H1-1(32):5 Unit 1 1969 | I-H1-1(32):5 U-2 1969 | I-H1-1(32):5 Unit 3 1969 | I-H1-1(33):8 | I-H1-1(44):8(1969) | I-H1-1(169):8 1971 | I-H1-1(47):9 1970 | IR–H1–1(167) Resurf. 1982 | I-H1-1(14):8 | I-H1-1(48):9(1970) | I-H1-1(37):9 1969 | I-H1-1(42):10 1970 | I-H1-1(43):10 1970 | I-H1-1(18) U-2 1966

SCALE: (In Miles) 4" = 1 mile

| Date Released |
|---|
| November 2000 |
| **Revised** |
| May 02 D.B. |
| Sept. 02 J.K. |
| Aug 04 D.B. |
| 6/06 D.B. |
| Feb 09 D.B. |

# ROAD INVENTORY

# OAHU RTE H–1
## QUEEN LILI'UOKALANI FREEWAY

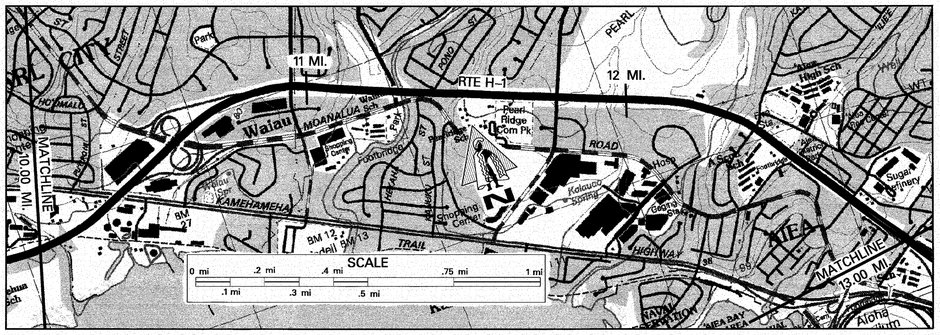
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

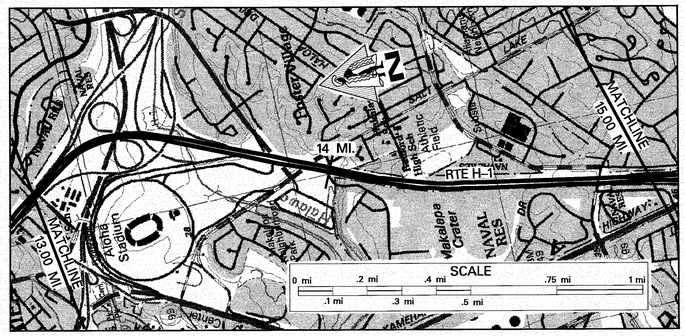
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 27.16 | MILES (a+b) |
| a. Existing Length: | 27.16 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 27.16 | MILES (a+b, less c) |
| a. Existing Length: | 27.16 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

H1–E (3.88 mi.) | End H1-E and beg. H1-F 211' east of Kaimakani O.P. 13.07 | H1–F (0.98 mi.) | End H1-F and beg. H1-G at S.E end of Halawa IC complex (end viaduct) 14.48 | H1–G (3.51 mi.)

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed

CGB HS–20 1970 244' 10.63 | CGB HS–20 1971 10.94 | PLCB HS–20 1970, 2006 1251' 11.25 | CBG HS–20 1970 11.79 | 33' Plate Culvert HS–20 1970 12.31 | CBG HS–20 1970 12.42 | PED 1970 12.57 | CBG HS–20 1970 12.79 | Culv. HS–20 1970 12.88 | P/CB HS–20 1970 13.03 | Prestressed Conc. Girder HS–20 1975 116' 13.34 | 29' 13.42 | 13.46 | 13.51 | 13.70 | 14.24 | Prestressed Conc. HS–20 81'–8" 14.86

Vertical Clearance: 99' | 163' | 33' | 33'

**Structure and RR**

Vertical Clearance: 18' | 17'–04" | 18' | 17' | 17'–04" | 18' | 18' | 18'

Horizontal Clearance: 83' | 70' | 69' | 75' | 76' | 99' | 150' 150' | 154'

Right of Way Width (min.–max.) if varies: 170' – 300' 10.32 | 172' – 240' 10.98 | 250' – 350' 12.87 | 172' – 410' 14.65 | 250' – 300'

Available Right of Way Width (Needs Study): 0' Residential

Right of Way Fence: Type – Right and Left: Chain Link 50'–100' from E.P. 10.98 – 12.87 | Chain Link 50'–100' from E.P.

Control of Access: 1–None, 2–Partial, 3–Full: Full

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State

74+20 10.59 | 143+65 11.87 | 39+00 14.34

Project No., Type of Construction, and Year Constructed: I–H3–1(75), Unit VIII, H–1 Roadway Widening (Westbound Lanes only), 2006 | NH–H1–1(246), Zipper Lane Extension, 2006

Project No., Type of Construction, and Year Constructed: H1EFG–01–96, 1998, Contraflow and Shoulder Lanes

Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

Continued from Sheet #2

Ewa Viaduct Off-Ramp to Waimalu 10.17 mi. 10MP | End Viaduct Off-Ramp to Kam Hwy U.P. 10.34 mi. (R) 10.30 mi. | Moanalua Rd. U.P. from Waimalu 10.42 mi. | On-Ramp from Waimalu 10.50 mi. | ECB 10.53 mi. | Off-Ramp to Waimalu 10.61 mi. | ECB 10.71 mi. | Kaahumanu St. O.P. 10.82 mi. | ECB (R) 10.88 mi. | 10.94 mi. | 11MP | Beg. Viaduct 11.18 mi. | Kaahele St. U.P. 11.25 mi. | End Viaduct Pono St. U.P. 11.32 mi. | 11.44 mi. | 11.49 mi. | Telemetry Sta. C7L 11.69 mi. | ECB (R) 11.74 mi. | Kaonohi St. O.P. 11.79 mi. | 139+20 | 12MP | RTE H–1 QUEEN LILI'UOKALANI FREEWAY | 12.05 mi. | Culvert 12.20 mi. | Kaamilo St. O.P. 12.31 mi. | ECB (R) 12.37 mi. | 12.42 mi. | On-Ramp from Moanalua Fwy. Ped. Overpass 12.57 mi. | 12.59 mi. | Alea Hts. Dr. O.P. 12.79 mi. | On-Ramp "D" (L) from Alea Double Box Culvert 12.97 mi. (Exit 13A) | Off-Ramp to Pearl Ridge 13.03 mi. | ECB 13.04 mi. | Kalmakani St. O.P. 13.10 mi. | On-Ramp from Red Hill 13.20 mi. | ECB 13MP | Off-Ramp "B" (R) to Moanalua Fwy. 13.24 mi. | Moanalua Freeway On-Ramp "B" (L) 13.33 mi. | (L) 13.35 mi. | 13.34 mi. | (R) 13.33 mi. | Off-Ramp "E" (L) to Pearlridge Ramp O.P. 13.42 mi. | On-Ramp "E" (L) from Halawa Ramp O.P. 13.49 mi. | Telemetry Sta. ECB 13.54 mi. | Halawa Str. Br. 13.60 mi. | Off-Ramp (R) to Halawa Viaduct 13.57 mi. | (L) 13.58 mi. | On-Ramp (R) from Halawa Stad. 13.70 mi. | (L) 13.71 mi. | Kahuapaani St. 13.73 mi. | End Viaduct Arterial Rd. 13.85 mi. | Salt Lake Blvd. 13.95 mi. | 14MP | Pedestrian O.P. 14.05 mi. | 14.01 mi. | 14.06 mi. | 14.24 mi. | 14.29 mi. | 14MP Post only | Zipper Crossover Lane 14.92 mi. | Radford Dr. O.P. 14.85 mi. | Off-Ramp (R) to Kamehameha Hwy/Aiea (Exit 15) 14.95 mi. | On-Ramp (L) from Valkenburg 14.98 mi. | Zipper Crossover Lane 14.99 mi.

Continued on Sheet #4

SCALE: (In Miles) 4" = 1 mile

**Divided Highway**

**Undivided**

Shoulder: Width and Type: 10' PCC | 4'–6' AC 10.38 | 12' PCC 11.70 | 4'–12' PCC 12.84 | 6'–12' AC 13.70 | 6'–8' PCC 14.05 | 6'–8' AC

Pavement: Width and Type: 55' PCC | 55' PCC (Outer Lane includes AC Pav't) 10.78 | 69' PCC | 72' PCC 12.39 | 68' PCC 12.74 | 79' PCC | 79' AC 12.92 | 77' AC 13.10 | 48' AC | 48' PCC | 48' AC 14.40 | 60' AC 14.98 | (48' AC)

Shoulder: Width and Type: 4' PCC | 12' PCC 11.77 | 11' PCC 12.22 | 6'–7' PCC | 6'–7' AC 13.24 | 10' AC 13.44 | 4'–6' AC | 6'–8' PCC | 8'–10' AC

Median: Width and Type: 2' Concrete Barrier + 2' Zip Blocks

Median Barrier — LEGEND: Concrete Barrier ——— Zipper Barrier - - - - - M/M Guard Rails |——|

**Divided Highway**

**Undivided**

Shoulder: Width and Type: 1'–2' PCC | 2' AC | 2' PCC | 2' AC | 2' PCC | 2' AC | 3' PCC | 4'–6' AC | 6'–8' PCC | 8'–10' AC

Pavement: Width and Type: 55' PCC 11.50 | 55' AC 11.89 | 55' PCC 11.98 | 55' AC 12.23 | 55' PCC | 55' AC | 66' PCC 12.84 | 66' PCC 12.91 | 44' AC 13.26 | 48' AC | 60' PCC | 60' AC 14.95 | 48' AC

Shoulder: Width and Type: 10' PCC 10.34 | 4'–10' AC 10.77 | 10' AC 11.25 | 10' PCC 11.49 | 10' AC 12.34 | 10' PCC 12.46 | 4' AC 12.91 | 12'–14' AC 13.70 | 10' PCC 14.05 | 10'–12' AC 14.95 | (4–12')

Number of Traffic Lanes: 5–11' | 5–12' 10.86 | 6–12' | 5–11' | 2–12', 4–11' 12.74 | 2–12', 5–11' 12.92 | 7–11' | 4–11' 13.03 | 4–12' | 5–12' | .95 | (4–12')

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 16' Accel 10.49 | 15' Decel 11.10 | 1 – 12' Accel 12.85 | 1 – 12' Accel 13.44 | 1 – 12' Accel | 2 – 12' Accel 14.31 | 1 – 12' Accel 14.95 | 2 – 12' Accel 14.99

(Right Side): 12' Decel 10.23 | 2 – 12' Accel 10.62 | 1 – 12' Accel 11.54 | 1 – 12' Decel 13.34 | 2 – 12' Accel 14.67 | 1 – 12' Decel 14.99

Frontage Road: No. of Lanes, and Width (Right and Left)

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left)

Protective Devices: Type, Location and Number — LEGEND: 1=conc. barrier, 2=conc. wall, 3=metal w/ metal rail, 4=conc. w/ metal rail

Illumination: Type, Location and Number: High Pressure Sodium

Curves: Degree of Curvature (Right and Left)

Zipper Lane/Express Lane: Zipper Lane (Express Lane: Buses and 2 Rider Car Pools, 5:30 AM – 8 AM, Mon. – Fri.)

Shoulder Lanes: 10'–12' PCC 10.23 | 10.61 | 10'–12' AC w/ PCC 12.46

HOV Lanes/Contra–Flow Lanes: HOV Lane near median (2 or more occupants) | HOV Lane near median (2 or more occupants)

Area and Development: Large Urbanized (4) (Honolulu – 52)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Rolling

Speed: 1–Design, 2–Posted: 55 MPH – Minimum 45 MPH ②

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

HPMS Sections – AADT 2007: 219,575 | 236,340 | 139,785 | 139,785 | 140,390 (104,940)

HPMS Sections – AADT 2006: 217,400 | 234,000 | 138,400 | 138,400 | 139,000 (103,900)

HPMS Sections – AADT 2005: 215,249 10.82 | 231,687 12.91 | 137,036 13.05 | 119,474 13.73 | 137,639 (102,842)

DOD Sections: DOD 120 10.33 | 10.61 | 10.94 | 11.84 | 12.46 | DOD 125 | 14.05 | 14.40 | DOD 130 14.95

Census Tracts

Functional Classification: Interstate (11)

National Highway System (NHS): On NHS (1)

Previous Projects: Project No., Date and Limits: H1–EG–01–95M(R) 1995 10.32 | 11.49 | I–H3–1(75), Unit 2, 1998, H–3 Finish | 13.44 | 14.05 | IM–H1–1(227), (R), 1997

H1E–01–94M, 1994, (Add Lanes) | IR–H1–1(193), 1987, (Add Lanes) | 12.47 | IR–H1–1 (207), 1989

IR–H1–1(206), Ph.2, 1986, (Add Lanes) 11.03 | 12.84 | H1E–01–80M, 1980, (Resurface)

I–H1–1 (43):10, 1970 10.33 10.38 | I–H1–1(66):10 and I–H1–1(67):10, 1971 | I–H1–1(77):13 1971 12.76 | 13.02 | I–H1–1 (83):13 1975 13.39 | I–H1–1(91):13 1976 13.70 | I–H1–1(104):13 1976 13.70 | I–H1–1(71,03,125):14 1976 14.24 | I–H1–1(135):14 Resurface, 1982 14.64 | 14.84 | I–H1–1(111):14 1976

I–H1–1 (68):10, 1970 10.05 | I–H1–1(65):10, 1970 11.27 | I–H1–1(63):11 1970 11.55 | I–H1–1(64):12 Unit 1 12.84 | I–H1–1(64) Unit 2 12.89 | IR–H1–1(196)(R) 1986 13.35 13.44 | I–H1–1(7,03,125):14 1976

SCALE: (In Miles) 4" = 1 mile

| Date Released |
|---|
| November 2000 |
| **Revised** |
| May 02 D.B. |
| Aug. 04 D.B. |
| 6/06 D.B. |
| 3/07 D.B. |
| Feb. 09 D.B. |

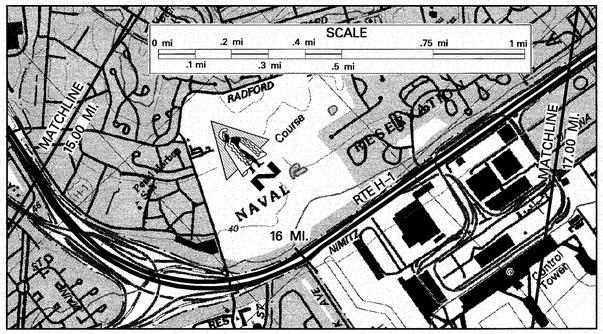
# ROAD INVENTORY
# OAHU RTE H–1
## QUEEN LILI'UOKALANI FREEWAY, LUNALILO FREEWAY

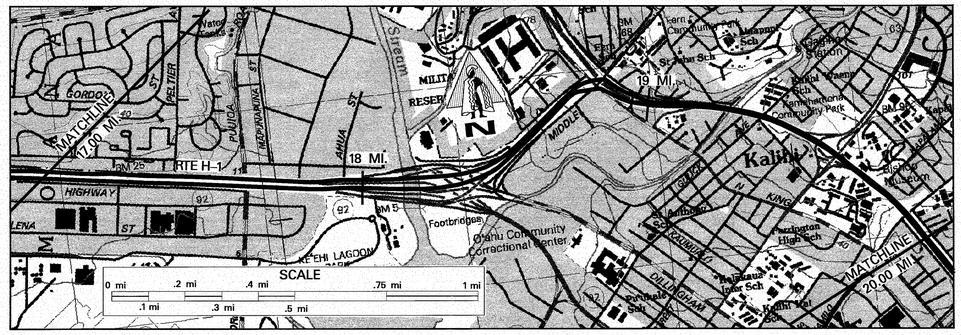
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 27.16 | MILES (a+b) |
| a. Existing Length: | 27.16 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 27.16 | MILES (a+b, less c) |
| a. Existing Length: | 27.16 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

15 | 16 | 17 | 18 | 19 | 20

H1–G (3.51 mi) | H1–H (1.73 mi) | End H1–H Beg. H1–I at East End of Kahauiki IC (West End of Kalihi Str. Br.) | H1–I (5.52 mi)

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed

85' | 80' | 43' | 10287' | 88' | 135' | 88' | 43' | 42' | 99'

Prestressed Conc. HS–20 | Prestressed Conc. HS–20 – 44 | Ramp | O.P. | Ramp | O.P. | Slab HS 20, 1962 Tunnel 1964, 393' | CBG 1964 HS 20 | Slab HS–20 1961 | CBG HS–20 1962 | Slab HS–20 1959 | Slab 1959 | Conc. Box Grdr. 1964

Vertical Clearance

15.22 | 15.51 | 15.73 | 18.50 | 18.75 | 18.80 | ? | 18.97 | 19.27 | 19.39 | 19.55 | 19.65 | 19.92

Horizontal Clearance

188' | 18' | 72' Outb. 72' Inb.

**Structure Over Route**

Vertical Clearance

17' | 17' | 188' | 188' | 15.82 | 18' Outb. 18' Inb. 72' Outb. 72' Inb. | 19' Outb. 18' Inb 72' Outb. 72' Inb. | 17'–05" | 16'–08" | 16'–03" | 18' | 38' | 28' | 52' | 16'–9" | 15'–7"

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 250' – 300' | 150' – 230'

Available Right of Way Width (Needs Study)

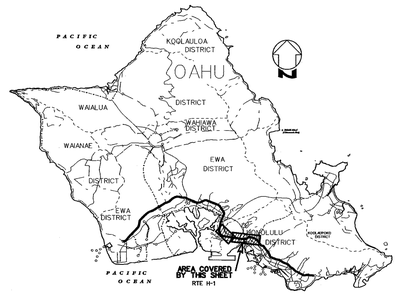
Right of Way Fence: Type – Right and Left: 0' Residential | 0' Residential/Commercial (Conc. Retaining Wall) | (Chain Link 20'-30' from E.P.) | Chain Link 15'-20' from E.P. | Chain Link 30' from E.P. | Chain Link 40' from E.P.

Control of Access: 1–None, 2–Partial, 3–Full: Full | State

Jurisdiction, Transfer Phase No. and Date (C to S or S to C)

Project No., Type of Construction, and Year Constructed: NH–H1–1(246), Zipper Lane Extension, 2006 | DPI-0203(I) Resurfacing, 2005 | I–H1–1(187), O.B. Impr 1985 | I–H1–1(178), Inbound Improvement, 1984

Project No., Type of Construction, and Year Constructed: H1EFG–01–96, 1998, Contraflow and Shoulderlane | H1H–01–00M Rehab, 2005 | IM–H1–1(220) Pavement Rehab. 1996




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

Continued from Sheet #3

RTE H–1 QUEEN LILI'UOKALANI FREEWAY | LUNALILO FREEWAY

Kam Hwy O.P. 15.12 mi. | Zipper Crossover Lane 15.34 mi. ECB 15.22 mi. | 15MP (Post only) 15.31 mi. | Ramp NW O.P. Ramp (NB & EN) U.P. 15.38 mi. | Off-Ramp (L) (L)15.53 mi. | Zipper Hale 15.47 mi. | Off-Ramp to Hickam Beg. Viaduct 15.80 mi. | Valkenburgh Ave 15.64 mi. | Off-Ramp (R) Kam Hwy (R)15.56 mi. | 15.52 mi. | Zipper Crossover Lane 15.47 mi. | Main Street 15.87 mi. | On-Ramp from Hickam 15.73 mi. | Elliot St. 16.13 mi. | 16MP 16.08 mi. | On-Ramp from Airport 16.29 mi. | 16MP 16.22 mi. | Off-Ramp to Airport (EXIT 16) 16.30 mi. | Ramp to Airport O.P. Catlin Dr. 16.46 mi. | Rodgers Blvd. 16.53 mi. 16.50 mi. | Ramp from Airport O.P. 16.75 mi. | Palea St. 16.78 mi. | Camp Catlin Rd. 16.88 mi. | 17MP 16.89 mi. | ECB | Off-Ramp to Airport 16.96 mi. | (L)17.07 mi. | On-Ramp from Airport 17.03 mi. | Ohohia St. 17.25 mi. | 17.24 mi. | Peltier Ave 17.41 mi. | Lagoon Dr. (R) Puuloa Rd. (L) 17.66 mi. | On-Ramp from Dillingham & Nimitz 17.88 mi. | Off-Ramp (HOV to Waikiki) 17.85 mi. | Off-Ramp (R) Waikiki (Via Nimitz) (Exit 18A) | 18MP 18.07 mi. | On-Ramp from Dillingham (L)18.08 mi. | Off-Ramp (L) to Kam/Nimitz Hwy End Viaduct (L)18.54 mi. | ECB | King St. O.P. 18.80 mi. Telemetry Sta. 2B | Off-Ramp (R) Exit 20A (From Moanalua Freeway) 18.88 mi. | Middle St. O.P. 18.85 mi. | Ola Ln O.P. 18.95 mi. | Middle St. Off-Ramp | Moanalua Freeway | Kalihi Stream Br. 18.33 mi. | 19MP 19.07 mi. | Gulick Ave O.P. 19.22 mi. | Off-Ramp to Likelike (L) 19.36 mi. | Off-Ramp (R) Exit 20A (From Likelike) 19.45 mi. | Kalihi St. In-Bound O.P. 19.50 mi. | Tunnel 19.55 mi. | Kalihi St. Out-Bound O.P. 19.62 mi. | Off-Ramp to Likelike 19.40 mi. | Kalihi St. 19.83 mi. | On-Ramp from Kalihi St. 19.92 mi. | Houghtailing St. U.P. | Continued on Sheet #5

SCALE: (In Miles) 4" = 1 mile

**Divided Highway – Undivided**

Shoulder: Width and Type: 10'–12' AC | 48' AC | 60' PCC | 11'–12' PCC | 48' PCC | 60' PCC | 72' PCC | 36' AC | 24' PCC | 14' AC | 0' | 24' AC | 44' AC | 33' AC | 48'AC | 2'–10' AC | 4'–8' AC

Pavement: Width and Type

Shoulder: Width and Type

Median: Width and Type: 12' Zip Blocks + Crossover Ln. AC | 2' Conc. Barr. + 2' Zip Blocks | 0'–15' Grs. & Shrubs | 10' Grass | Double 2' Conc. Barr. + 25' Gap | 2' Conc. Barr. | Interchange | 4'–6' Grass & Shrubs | 25' Sloped Grs. (2') | Interchange | 2' Conc. Barrier

Median: Barrier — LEGEND: Concrete Barrier ——— Zipper Barrier – – – – – M/M Guard Rails |—|

Shoulder: Width and Type

Pavement: Width and Type: 10'–12' AC | 48' AC | 48' PCC | 60' PCC | 48' PCC | 60' PCC | 72' PCC | 36' AC | 24' PCC | 12' AC | 24' AC | 44' AC | 33' AC | 48'AC | 2'–4' AC | 6'–10' AC

Shoulder: Width and Type: 10'–12' AC | 2'–4' AC | 11'–12' PCC | 10'–12' PCC

Number of Traffic Lanes: 4-12' | 5-12' | 6-12' | 3-12' | 2-12' | 4-11' | 3-11' | .63 | 4-12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 1-12' Decel | 1-12' Accel | 2-12' Accel | Decel | Accel | 1-12' Accel | 2-12' Accel

(Right Side)

Frontage Road: No. of Lanes, and Width (Right and Left)

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left)

Protective Devices: Type, Location and Number — LEGEND: 1=conc. barrier, 2=conc. wall 3=metal w/ metal rail

Illumination: Type, Location and Number: High Pressure Sodium Lamps

Curves: Degree of Curvature (Right and Left)

Zipper Lane/Express Lane — (Zipper Lane (Express Lane: Buses and 3 Rider Car Pools, 5:30 AM – 8:30 AM, Mon. – Fri.)): 2-12' Lanes | 1-11' Lanes

Shoulder Lanes: Shldr. Lane: For Express Lane Users Only, Open 5:30 AM–8:00 AM (Shldr. Lane Next to Median, 3 or More Occupants) | Shldr. Lane (next to Median) Buses Only, 6 – 8 AM

HOV Lanes/Contraflow Lanes: HOV Lane near median (2 or more occupants) | HOV Lane near median (2 or more occupants)

Area and Development: Large Urbanized (4) (Honolulu – 52)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Rolling | Flat | Rolling

Speed: 1–Design, 2–Posted: 55 MPH – Minimum 45 MPH ② | 45 MPH ② | 55 MPH ② | 35 MPH ② | 35 MPH ② | 50 MPH ②

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

HPMS Sections – AADT 2007: 104,940 | 119,790 | 100,600 | 120,295 | 57,675 | 62,980 | 183,017 | 183,925 | 161,821 | 183,925 | 207,246

HPMS Sections – AADT 2006: 103,900 | 118,600 | 99,600 | 119,100 | 57,100 | 61,000 | 120,200 | 182,100 | 182,100 | 182,100 | 207,900

HPMS Sections – AADT 2005: 102,842 | 117,419 | 98,622 | 117,932 | 56,571 | 60,371 | 119,018 | 180,311 | 156,789 | 156,789 | 205,866

DOD Sections: DOD 130 | DOD 135 | DOD 140 | DOD 145 | DOD 150 | DOD 155

Census Tracts

Functional Classification: Interstate (11)

National Highway System (NHS): On NHS (1)

Previous Projects: Project No., Date and Limits: ( I–H1–1(73):15, 1997 ) | IM–H1–1(227)(R), 1997 | H1–EG–01–95M(R), 1995 | (H1H–01–97M(R), 1998) | IR–H1–1(198) (R) 1986 | IR–H1–1(135):19, 1979 (R) | IR–H1–1(153):19 Resurface, 1979 | IR–H1–1(207), 1989 | I–H1–1(124):16, 1981 | I–H1–1(84):16, 1981 | I–H1–1(131):17, 1982 | I–H1–1(111):14 1976 | I–H1–1(110):15 1976 | I–H1–1(73):15, 1977 | I–H1–1(156):16, 1981 | I–H1–1(121):16, Outbound Only, 1979 | I–H1–1(147):17 1983 | I–H1–1(132):17 1986 | I–H1–1(129):18, 1964 | H1–H1–01–71 Resurf, 1971 | I–H1–1(119):16, 1979 | I–H1–1(120):16, 1979 | ( I–H1–1(130):17, 1979 ) | I–IR–H1–1 (170):17 1986 | I–H1–1 (168):17 | I–H1–1 (86):17 1986 | I–H1–1(178), 1984 | EBU–072–1(2) U–4 | U–072–1(7) Unit 3, 1963 | I–H1–1(34):20, 1966 | ( I–IR–H1–1(169):17, 1986 )

SCALE: (In Miles) 4" = 1 mile

| Date Released |
|---|
| November 2000 |
| **Revised** |
| May 02 D.B. |
| Aug. 04 D.B. |
| 6/06 D.B. |
| 3/07 D.B. |
| Feb. 09 D.B. |

# ROAD INVENTORY

# OAHU RTE H–1

# LUNALILO FREEWAY

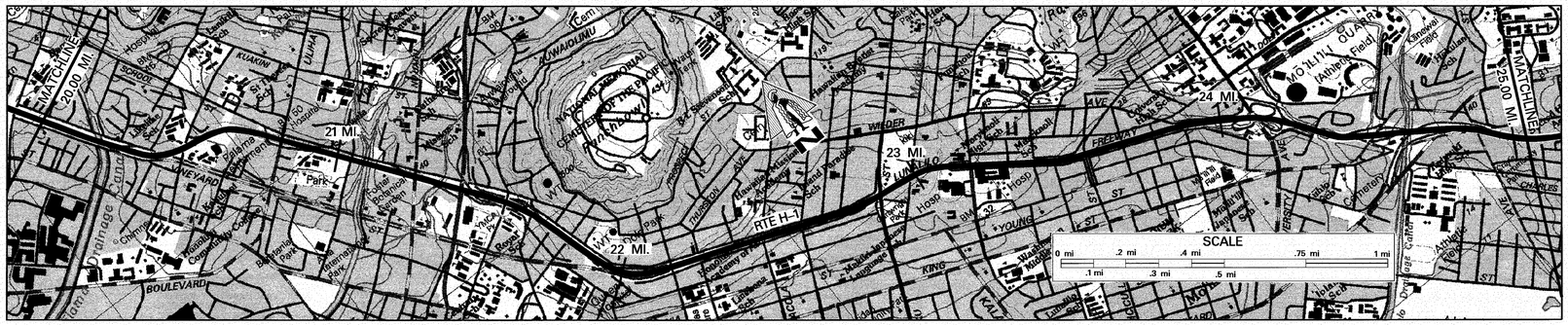
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 27.16 | MILES (a+b) |
| a. Existing Length: | 27.16 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 27.16 | MILES (a+b, less c) |
| a. Existing Length: | 27.16 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed — Note: All Structures are HS 20

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies

Available Right of Way Width (Needs Study)

Right of Way Fence: Type – Right and Left

Control of Access: 1–None, 2–Partial, 3–Full

Jurisdiction, Transfer Phase No. and Date (C to S or S to C)

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Median: Width and Type

Median Barrier — LEGEND: Concrete Barrier ——— Zipper Barrier – – – – – M/M Guard Rails |——|

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)

(Right Side)

Frontage Road: No. of Lanes, and Width (Right and Left)

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left)

Protective Devices: Type, Location and Number — LEGEND: 1=conc. barrier, 2=conc. wall, 3=metal w/ metal rail, 4=conc w/ metal rail, 5=conc w/ conc rail

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Zipper Lane/Express Lane

Grades: % Grade, Positive or Negative

HOV Lanes/Contra–Flow Lanes

Area and Development:

Terrain: 1–Flat, 2–Rolling, 3–Mountainous

Speed: 1–Design, 2–Posted

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

HPMS Sections – AADT 2007

HPMS Sections – AADT 2006

HPMS Sections – AADT 2005

DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 4" = 1 mile

| Date Released |
|---|
| November 2000 |

| Revised | |
|---|---|
| May 02 | D.B. |
| Aug 04 | D.B. |
| 6/06 | D.B. |
| 3/07 | D.B. |
| Feb. 09 | D.B. |

Continued from Sheet #4.

Continued on Sheet #6.

H1–I (5.25 mi.) — End H1–I, Beg. H1–J at Kapiolani IC (Old Waialae Rd.) — H1–J (0.42 mi.) — End H1–J, Beg. H1–K 200' East of Kapahulu Ave. — H1–K (2.29 mi)

Chain Link 15'–20' from E.P. | ChainLink 30'–50' fromE.P. | (ChainLink 30'–50' from E.P.) | ChainLink 30'–60' fromE.P. | (ChainLink 30' from E.P.) | 0' Residential/Commercial | Chain Link 15'–30' from E.P. | Chain Link 8'–30' from E.P. | (Chain Link 20'–30' from E.P.)

Full

State

IM–H1–1(234) (R), 2000

IM–H1–1(220), Pavement Rehab, 1996 | I–H1–1(31):21 Unit 1, 1969 | I–H1–1(31):21 Unit 2, 1969 | I–H1–1(60):23 Shoulder Imprv., 1977 | IR–H1–1(184) Safety Imprv., 1979

RTE H–1 LUNALILO FREEWAY

Off-Ramp to Houghtailing St. 20.09 mi. | End Viaduct Palama St. U.P. | Begin Viaduct Palama St. U.P. | Off-Ramp to Palama St. | Lilliha St. O.P. | Lilliha Access Rd. O.P. | Nuuanu Strm. Br. 21.08 mi. | Nuuanu Strm. Ext. O.P. | Off-Ramp to Pali Hwy. (L) 20.88 mi. | Off-Ramp from Pali Hwy. (R) 20.92 mi. | Nuuanu Ave O.P. School St. | Off-Ramp to School St. | Pali Hwy O.P.s | Off-Ramp from Punchbowl St. | Off-Ramp to Pali Hwy. (L) (Exit 21A) | Off-Ramp from Pali Hwy. (R) (Exit 21A) | Off-Ramp to Punchbowl St. (Exit 21B) | Off-Ramp from Punchbowl St. (R) (Exit 21B) | Pedestrian O.P. (Exit 22) | Off-Ramp to Kinau St. | Vineyard Blvd. O.P. | Off-Ramp to Vineyard Blvd. | Pedestrian O.P. | Off-Ramp from Vineyard Blvd. | Off-Ramp to Ward Ave. | On-Ramp from Ward Ave. | Begin Makiki Viaduct | End Makiki Viaduct | Off-Ramp to Lunalilo St. | On-Ramp from Lunalilo St. | Pilkoi St. U.P. | Kaaumoku St. O.P. | Off-Ramp to Pilkoi St. | On-Ramp from Pilkoi St. | Punahou St. O.P. | On-Ramp from Punahou St. | Off-Ramp to Punahou St. (Exit 23) | On-Ramp from Alexander St. | Off-Ramp to Bingham St. (Exit 24A) | McCully St. O.P. | Off-Ramp to Wilder Ave | Pedestrian O.P. | On-Ramp from Wilder Ave. | On-Ramp from University Ave. | Off-Ramp to University Ave. | On-Ramp from University Ave. | Off-Ramp to University Ave (Exit 24B) | Kalo Place U.P. | Off-Ramp to King St. | On-Ramp from King St. | Old Waialae Rd. O.P. | Off-Ramp to Waialae Rd. | On-Ramp from Waialae Rd. | Kapiolani Blvd. Begin Viaduct | Kapiolani Blvd. (L) | Kapiolani Blvd. (R) | Off-Ramp to Kapiolani Blvd. | Kapiolani Blvd. O.P. | Kapiolani Blvd. | End Viaduct Kapiolani Blvd. | Pedestrian O.P. | Kapiolani Ave. | ECB

Mileposts: 20.09 | 20.13 | 20.18 | 20.21 | 20.23 | 20.25 | 20.31 | 20.37 | 20.49 | 20.51 | 20.65 | 20.75 | 20.80 | 20.88 | 20.92 | 21.07 | 21.08 | 21.24 | 21.26 | 21.28 | 21.33 | 21.41 | 21.42 | 21.46 | 21.56 | 21.60 | 21.67 | 21.80 | 21.88 | 21.95 | 22.02 | 22.10 | 22.12 | 22.15 | 22.16 | 22.24 | 22.40 | 22.46 | 22.59 | 22.69 | 22.73 | 22.76 | 22.79 | 22.84 | 22.87 | 23.00 | 23.05 | 23.07 | 23.18 | 23.37 | 23.55 | 23.61 | 23.68 | 23.74 | 23.86 | 23.90 | 24.00 | 24.04 | 24.08 | 24.13 | 24.19 | 24.31 | 24.41 | 24.43 | 24.50 | 24.56 | 24.58 | 24.59 | 24.61 | 24.70 | 24.72 | 24.75 | 24.83 | 24.87 | 24.91 | 24.94 | 24.97

Shoulder: 4'–8' AC | 2' AC | 6' PCC | 2'–4' AC | 1'–4' PCC | 8' – 10' AC | 0'–8' AC | 4'–6' PCC | 9' PCC

Pavement: 48' AC | 36' AC | 48' AC | 36' AC | 36' PCC | 36' AC | 44' AC | 36' AC | 44' AC | 36' PCC | 60' PCC

Shoulder: 5' AC | 5' PCC | 6'–10' AC | 4'–6' PCC

2' Concrete Barrier

Shoulder: 5' AC | 5' PCC | 5' AC | 5'–10' PCC

Pavement: 48' AC | 36' AC | 44' AC | 36' AC | 48' AC | 36' AC | 36' PCC | 36' AC | 44' AC | 36' AC | 48' PCC

Shoulder: 8' AC | 2'–10' AC | 6' AC | 0'–10' AC | 4' PCC | 2'–8' AC | 3' PCC | 6'–10' AC | 0'–8' AC | 6'–14' PCC

Number of Traffic Lanes: 4–12' | 3–12' | 4–11' | 3–12' | 5–12' | 4–12' | 3–12' | 4–11' | 3–12' | 4–11' | 3–12' | 4–12'

Auxiliary Lanes and Parking Lanes: 1–12' Accel | 1–12' Decel | 1–12' Accel | 1–12' Accel | 2–12' Accel | 2–12' Accel | 1–12' Accel | 1–12' Accel | 1–11' Decel | 1–11' Accel | 1–12' Accel | 1–12' Decel | 1–12' Decel | 1–12' Accel | 2–12' Accel | 1–12' Accel

(Right Side): Decel | Decel | Accel | Decel | Accel | Accel | Decel | Accel | Decel | Accel | Decel | Accel | Accel

Protective Devices: 3 | 2 | 1 | 2 | 3 | 1 | 1 | 2 | 3 | 2 | 4 | 1 | 2 | 1 | 3 | 1 | 3 | 3 | 1 | 3 | 2 | 3 | 3

Illumination: High Pressure Sodium Lamps

Curves: 3

Zipper Lane/Express Lane: 45 MPH ② | 45 MPH ② | 50 MPH ②

Grades: 50 MPH ②

HOV Lanes/Contra–Flow Lanes: 24.00

Area and Development: Large Urbanized (4) (Honolulu – 52)

Terrain: Rolling

Speed: 50 MPH ②

Intersection Control Devices: 23.72 | 24.69

Traffic Stations (Current Year): 207,246 | 175,207 | 178,293 | 177,360 | 165,240 | 146,350 | 126,250 | 106,050 | 130,090

HPMS Sections – AADT 2007: 207,900 | 183,000 | 167,800 | 175,600 | 163,600 | 144,900 | 125,000 | 105,000 | 128,000

HPMS Sections – AADT 2006: 205,866 | 181,147 | 166,136 | 173,908 | 162,023 | 143,460 | 123,754 | 103,920 | 127,517

HPMS Sections – AADT 2005: 20.21 | 20.70 | 21.24 | 21.67 | 22.02 | 22.40 | 22.86 | 23.07 | 24.13 | 24.41 | 24.70 | 24.85

DOD Sections: DOD 155 | DOD 160 | DOD 165 | DOD 170 | DOD 175

Census Tracts

Functional Classification: Interstate (11)

National Highway System (NHS): On NHS (1)

Previous Projects:

IR–H1–1(198)(R.) 1986 | 21.40

I–H1–1(60):23 Resurf, 1979 | 24.71

IR–H1–1(153):19, Resurf, 1979 | 21.64 | I–H1–1(31):21, Unit 1, 1969 | 22.37 | IR–H1–1(184) Safety Imprv., 1985 | 24.32

H1–H1–01–71, Resurf, 1971 | 21.62 | I–H1–1(31):21, U2, 1969 | 22.87

I–H1–1(34):20, 1966 | 21.10 | I–H1–1(24):21, 1966 | 21.42 | I–H1–1(27):21, 1967 | U–59(6), Unit 2 1955 | F–59(4), Unit 1, 1954 | 23.85 | U–59(3), 1954 | 24.45 | I–H1–1(5):24, U–2, 1967 | 24.85 | I–H1–1(4):24, 1965

# ROAD INVENTORY

# OAHU RTE H–1

## LUNALILO FREEWAY

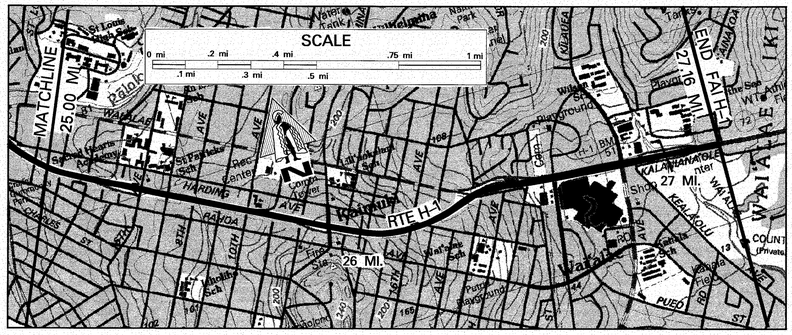
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 27.16 | MILES (a+b) |
| a. Existing Length: | 27.16 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 27.16 | MILES (a+b, less c) |
| a. Existing Length: | 27.16 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

H1–K (2.29 mi.)

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed

CBG 1965 | 25.71 | Slab 1964 | 25.30 | Slab 1964 | 25.38 | Slab 1964 65' | 25.55 | Slab 1964 | 25.90 | Slab 1966 | 26.16 | CBG 1967 | 26.20 | P/CB 1968 | 26.35 | CBG 1967 | 26.50 | PCTB 1969 2161' | 26.86 | Slab 1968 55' | 26.98 | P/CB 1969 49' | 27.09

Vertical Clearance: 99' | 47' | 99'

Horizontal Clearance: 60' | 61' | 60' | 50' | 50' | 50' | 50' | 50'

**Structure Over Road**

Vertical Clearance: 17' | 17'–2" | 16'–6" | 18' | 16'–10" | 17'–5" | 16'–7" | 16'–7"

Horizontal Clearance: 150' – 240' | 26.86 | 120' – 300'

Right of Way Width (min.–max.) if varies: 0' Residential/Commercial

Available Right of Way Width (Needs Study)

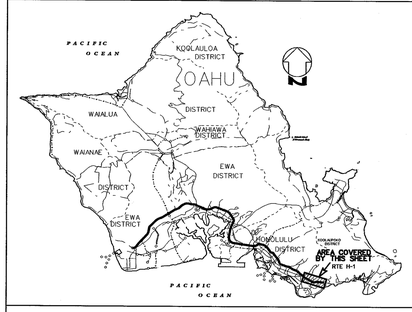
Right of Way Fence: Type – Right and Left: Chain Link 20'–30' from E.P. | 25.23 | Stone Wall 20' from E.P. | 25.32 | Stone Wall 20' from E.P. | 25.33 | (Wall 20' from E.P.) | 26.36 | (Stone Wall 15' from E.P.) | 27.09

Control of Access: 1–None, 2–Partial, 3–Full: Full

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State

Project No., Type of Construction, and Year Constructed: IR–H1–1(184), Safety Imprv., 1985 | 25.90 | IR–H1–1(197), Safety Imprv., 1986 | 26.86 | IR–H1–1(184), Safety Imprv., 1985

Project No., Type of Construction, and Year Constructed




**Road Diagram**

* MP = Milepost Signage

Continued From Sheet #5

Ped. O.P. | 25B | 6th Ave O.P. | 7th Ave O.P. | 10th Ave U.P. | 25MF | ECB | 25.76 mi. | 26A | 26MP | Koko Head Ave. O.P. | 16th Ave O.P. | 26B | Peddestrian O.P. | 26.40 mi. | 21st Ave. O.P. | Hunakai St. | 27MP | 28.74 mi. | End Waialae Viaduct | Kilauea Ave. | Waialae–Niu Br. | 27.44 MP | 27.14 mi. | 27.09 mi. | 27.06 mi. | Off–Ramp to Waialae Ave. | Kapakahi Br.

RTE H–1

LUNALILO FREEWAY

25.15 mi. | 25.13 mi. | 25.11 mi. | 25.30 mi. | 25.38 mi. | 25.55 mi. | 25.65 mi. | 25.74 mi. | 25.81 mi. | 25.90 mi. | 26.16 mi. | 26.20 mi. | 26.24 mi. | 26.33 mi. | 26.38 mi. | (R) 26.49 mi. | (L) 26.55 mi. | 26.57 mi. | 26.65 mi. | 26.86 mi. | 26.93 mi. | 26.98 mi. | 27.05 mi. | 27.16 mi.

On–Ramp from Waialae Ave. (L) | On–Ramp from Waialae Ave. (R) | On–Ramp from Waialae Ave. | On–Ramp from Waialae Ave.

End RTE H–1 on Kalanianaole Hwy. at the West edge of Pav't. of Ainakoa Ave. (same as End RTE 72).

Indicates Grass & / or Physical Barrier on Median.

SCALE: (In Miles) 4" = 1 mile

**Divided Highway – Undivided**

Shoulder: Width and Type: 9' PCC | 26.21 | 2'–4' AC | 26.36 | 9' PCC | 26.85 | 2'–6' AC

Pavement: Width and Type: 60' PCC | 25.15 | 48' PCC | 25.65 | 36' PCC | 36' AC

Shoulder: Width and Type: 5' PCC | 26.50 | 3' PCC | 5'–10' AC | 27.39 | 0'

**Divided Highway – Median**

Median: Width and Type: 2' Concrete Barrier | Double Conc. Barrier w/ Rails + 10' Gap | Metal Guardrails | (4' Raised AC)

Median Barriers LEGEND: Concrete Barrier ——— Zipper Barrier - - - - - M/M Guard Rails |—|

**Divided Highway – Undivided**

Shoulder: Width and Type: 4'–6" PCC | 26.89 | 8' AC | 27.27 | 0'

Pavement: Width and Type: 48' PCC | 25.79 | 36' PCC | 36' AC

Shoulder: Width and Type: 9' PCC | 26.65 | 0'–6" AC

Number of Traffic Lanes: 5–12' | 4–12' | 4–12' | 3–12' | 3–12' | 26.73

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 1–12' Accel | 26.40 | 26.48 | 1–12' Accel

(Right Side): 1–12' Decel | 26.21 | 26.22 | 26.54 | 1–12' Accel

Frontage Road: No. of Lanes, and Width (Right and Left)

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left)

Protective Devices: Type, Location and Number — LEGEND: 2=conc. wall, 3=metal w/ metal rail, 4=conc w/ metal rail, 6=rock wall

Illumination: Type, Location and Number: LL 2 3 4 3 2 6 2 6 2 3 4 | RR 3 3 3 4 3 6 3 6 2 4 2 | High Pressure Sodium Lamps

Curves: Degree of Curvature (Right and Left)

Zipper Lane/Express Lane: None

Grades: % Grade, Positive or Negative

HOV Lanes/Contra–Flow Lanes: None

Area and Development: Large Urbanized (4) ( Honolulu – 52)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Rolling

Speed: 1–Design, 2–Posted: 45MPH (2) | 50 MPH (2) | 50 MPH (2) | 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

HPMS Sections – AADT 2007: 130,090 | 106,960 | 87,570 | 69,739

HPMS Sections – AADT 2006: 128,800 | 105,900 | 86,700 | 62,400

HPMS Sections – AADT 2005: 127,517 | 25.15 | 104,852 | 25.73 | 85,808 | 26.24 | 61,733 | 27.16

DOD Sections: DOD 175

Census Tracts

Functional Classification: Interstate (11)

National Highway System (NHS): On NHS (1)

Previous Projects: Project No., Date and Limits: IR–H1–1(184) Safety Imprv., 1985 | 25.90 | I–H1–1(6):25, U–3, 1968 | 26.92 | I–H1–1(4):24, 1965 | I–H1–1(6):25, U–1, 1968 | I–H1–1(6):25, 1969

| Date Released |
|---|
| November 2000 |
| **Revised** |
| Aug. 04 D.B. |
| 6/06 D.B. |
| Feb. 09 D.B. |

# ROAD INVENTORY

# OAHU ROUTE H2
## VETERANTS MEMORIAL FREEWAY

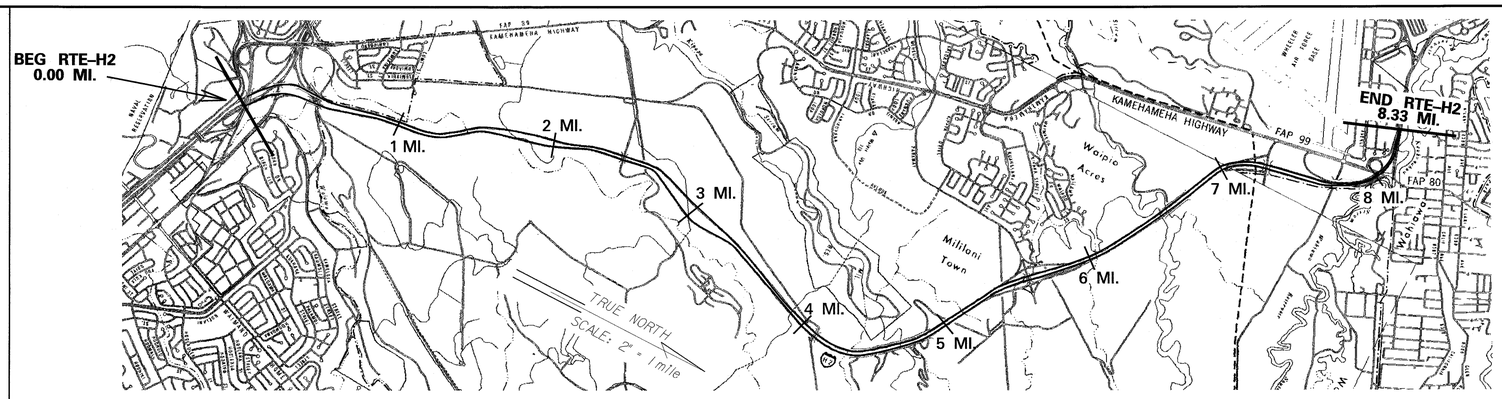
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 8.33 | MILES (a+b) |
| a. Existing Length: | 8.33 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 8.33 | MILES (a+b, less c) |
| a. Existing Length: | 8.33 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

H1-D (1.03 mi.) | H2-A (2.25 mi.) | H2-B (1.76 mi.) | H2-C (0.90 mi.) | H2-D (0.76 mi.) | H2-E(0.51) | H2-F(0.47) | H2-G(0.65)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed

**Note: All Structures = RC Box Girder, HS-20

180',1975 | 1975 | 1990', 1977 | 1976 | 1085', 1976 | 1976 | 194' 1976 | 218' | 194' | 294'

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

16'-6" | 16'-10" | 17'-4" | 17'-4"

Horizontal Clearance

114'-10" | 40'-10" | 52'-10" 40'-8" | 60' 41'-6"

Right of Way Width (min.–max.) if varies

225'-330' | 250' - 540' | 200' - 350' | 350' - 550' | 200' - 330' | 200' - 660' | 160' | 400' - 660' | 240' - 460' | 280'-580' | 100' - 450'

Available Right of Way Width (Needs Study)

Right of Way Fence: Type – Right and Left

Control of Access: 1–None, 2–Partial, 3–Full

Jurisdiction, Transfer Phase No. and Date (C to S or S to C)

(IM-H2-1(33), Rehab., 2008) | FULL STATE

Project No., Type of Construction, and Year Constructed

(IR-H2-1(26), Phase 1, HOV lanes, 1994) | IM-H1-1(224) (R), 1998 | IM-H2-1(33), Rehab., 2008 | IR-H2-1(24), Imprv., 1991

Project No., Type of Construction, and Year Constructed

I-H1-1(46):8, 1975 | IR-H2-1(27), Phase 2, HOV lanes, 1994 | IM-H2-1(29), 1998, (On-Off Ramps)

Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

BEG RTE-H2 @ WAIAWA I.C. ON THE NORTHBOUND LANES UNDER THE ℄ OF FARRINGTON HWY O.P. CARRYING HONOLULU BOUND TRAFFIC. 0.00 MI.

RTE H-2 Veterants Memorial Freeway

END RTE-H2 ON H-2 AT THE CONNECTION WITH WILKINA DRIVE AT THE ℄ MON. STA. 42+20 (EDGE OF CONCRETE PAVEMENT). 8.33 MI.

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type

3' AC | 4' PCC | 10' PCC | 10' AC | 10' PCC | 10' AC | 10' PCC | 10' AC | 10' AC

Pavement: Width and Type

36' AC | 36' PCC | 50' PCC | 48' PCC | 44' PCC | 48' PCC | 50' PCC | 48' PCC | 44' PCC | 44' AC | 44' PCC | 24' PCC

Shoulder: Width and Type

1' AC | 10' PCC | 6' - 12' AC | 6' PCC | 1' PCC | 6' PCC | 10' PCC | 10' PCC | 2' AC | 10' PCC | 4' AC & 2' Gravel | 6' PCC | 4' PCC | 4' AC | 10' AC

Median: Width and Type

Varies 12' - 300' Trees & Grass w/ M/M Guard Rail | 2' Conc Barrier w/GlareScreen | Varies 0' - 150' Raised Grass & Shrubs | 2' Conc Barrier w/ GlareScreen | Varies 0' - 280' Raised Grass | 2' Conc Barrier w/GlareScreen | 2' Conc Barrier, 13' Conc Gutter | 32' Dirt w/6' Conc Gutter | 32' Dirt w/6' AC Gutter & M/M Guard Rails | 32' Dirt w/6' AC Gutter | 15' Grass | 8' GRS

Chainlink Fence/ 16' AC 16' Grass

Shoulder: Width and Type

4' AC | 9' AC | 15' AC | 1' PCC | 6' PCC | 15' AC | 10' PCC | 2' AC | 10' PCC | 4' AC | 4' AC

Pavement: Width and Type

24' AC | 48' PCC | 50' PCC | 48' PCC | 44' PCC | 48' PCC | 50' PCC | 48' PCC | 44' AC | 48' PCC | 36' PCC | (TAPER: 36' - 24') | 24' PCC

Shoulder: Width and Type

10' AC | 8' AC | 10' PCC | 10' AC | 10' PCC | 10' AC | 10' AC

Number of Traffic Lanes

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)

(Right Side)

Frontage Road: No. of Lanes, and Width (Right and Left)

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left)

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

296 HPS Lamps

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

HOV MORN. 5:30-8:00 AM
HOV AFTERNOON 3:30-6:00PM

Area and Development:

LARGE URBANIZED (4) (Honolulu - 52)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous

ROLLING (2)

Speed: 1–Design, 2–Posted

55 MPH (2)

45 MPH (2) | 35 MPH (2) | 45 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

HPMS Sections – AADT 2007

101,559 | 91,405 | 93,380 | 87,470 | 87,470 | 65,755 | 60,474 | 53,430 | 52,843 | 23,751

HPMS Sections – AADT 2006

104,691 | 90,500 | 92,453 | 86,600 | 86,600 | 65,100 | 65,100 | 52,900 | 52,900 | 30,700

HPMS Sections – AADT 2005

89,615 | 89,615 | 85,696 | 85,696 | 64,499 | 64,499 | 64,499 | 52,372 | 52,372 | 30,406

DOD Sections

DOD 435 | DOD 440

Census Tracts

Functional Classification

INTERSTATE (11)

National Highway System (NHS)

On NHS (1)

Previous Projects: Project No., Date and Limits

IR-H2-1(26), Phase 1, HOV lanes, 1994 | IR-H2-1(24), Imprv., 1991

IR-H2-1(27), Phase 2, HOV lanes, 1994 | I-H2-1(10):6, 1976 WAIKAKAKAUA BR.

I-H1-1(46):8 1975 | I-H2-1(12):0 1975 | I-H2-1(9):4 KIPAPA BR. | I-H2-1(7):4, PH 1, 1976 | I-H2-1(8):6, PH 1 1976 | I-H2-1(11):7, PH 1 1976

TRANSITIONS COVERED BY ADJACENT PROJECTS

STA 429+69 | STA 248+00 STA 248+10 | STA 225+21 | STA 223+00 | STA 141+00 | STA 130+95 | STA 128+95 | STA 88+00 | STA 42+20

SCALE: (In Miles) 2" = 1 mile

| Date Released |
|---|
| Apr 1998 |

| Revised | |
|---|---|
| Dec. 99 | D.B. |
| Nov. 00 | D.B. |
| Oct. 01 | J.K. |
| May 02 | D.B. |
| Sept. 02 | D.B. |
| Aug 04 | D.B. |
| 6/06 | D.B. |
| Feb 09 | D.B. |

# ROAD INVENTORY
# OAHU RTE – H3
## JOHN A. BURNS FREEWAY

*Note: H3 placed in service – DEC 1997*

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

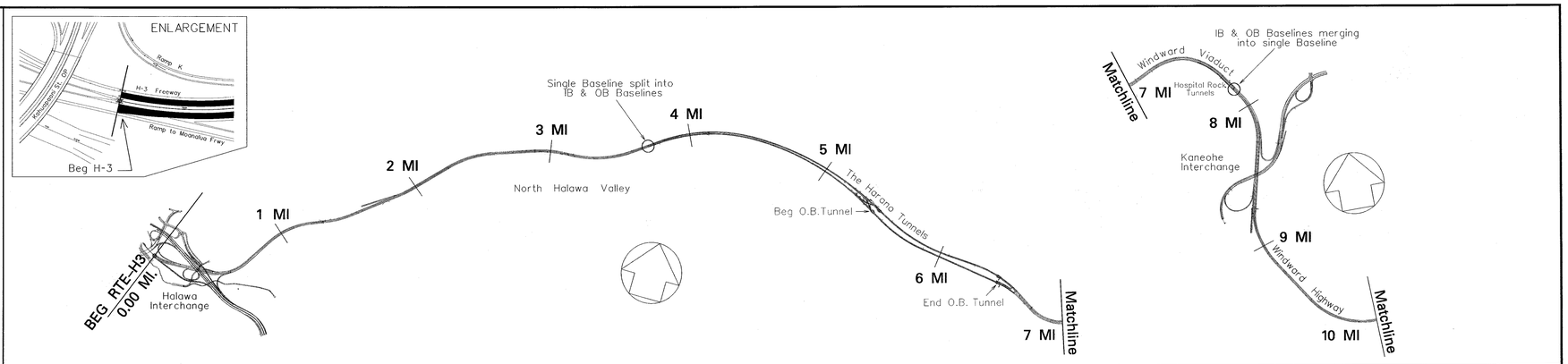
**Total Route Length:** 15.32 miles

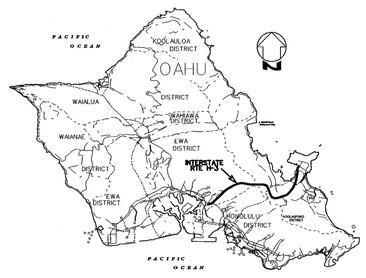
**a. Survey Length:** 15.32 miles

**b. Proposed Length:** 0.00 miles

**c. Other Length: *** 0.00 miles

*




**Road Diagram**

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

**Maintenance Control Sections : Length and Description**

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

2855', Cont prestressed Conc I-Girder, HS-20, 1992
45', Cont prestressed Conc I-Girder, HS-20, 1972
240', Cast in Place Box Girder, HS-20-44, 1972
42', Smpl prestressed Conc I-Girder, HS-20, 1972
36" Conc Pipe Culvert
Prestressed Conc. Girder HS-20, 1995
5105', Cont post-tensioned Conc I-Girder, HS-20, 1997
Cont prestressed Conc I-Girder, HS-20, 1996
6232' Cont post-tension segmental Conc Box Girder, HS-20, 1995
Cont prestressed Conc I-Girder, HS-20, 1991
5340' Reinforced Conc bored Tunnel, HS-20-44, 1996
Cont prestressed Conc I-Girder, HS-20-44, 1992
Cont post-tension segmental Conc Box Girder, HS-20, 1993
351' Reinforced Conc Cut and Cover Tunnel, HS-20, 1992
1682' Cont post-tension segmental Conc Box Girder, HS-20, 1996
Cont prestressed Conc I-Girder, HS-20, 1989

**Vertical Clearance**

**Horizontal Clearance**

**Structure Over Road**

**Vertical Clearance**

**Horizontal Clearance**

**Right of Way Width (min.–max.) if varies**

0.56 200' 0.75 110' 1.09 160' – 350' 1.45 185' 1.83 200' – 390' 1.95 200' – 530' 3.33 140' – 500' 4.13 180' – 280' 5.27 430' – 570' 6.86 190' 7.91 185' – 1370' 8.75 190' – 350'

**Available Right of Way Width (Needs Study)**

**Right of Way Fence: Type – Right and Left**

**Control of Access: 1–None, 2–Partial, 3–Full**

Full 5.38

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

State

I-H3-1(75), Unit 3 H-3 Portals, 1998

**Project No., Type of Construction, and Year Constructed**

I-H3-1(75), Unit 2, H3 Finish

**Project No., Type of Construction, and Year Constructed**

1998

I.B. 5.47 5.48 O.B. 5.28 6.48 6.61

Indicates Grass & / or Physical Barrier on Median.

RTE H-3 John A. Burns Freeway

Beg RTE–H3 at a connection with H-1 Fwy @ baseline Sta 252+33.06 (surveyor's pin on median shldr.) 0.00 mi.

On-Ramp from Aiea 0.18 mi. 0.04 mi.
Off-Ramp to Moanalua Fwy. 0.31 mi. 0.26 mi.
Moanalua Fwy O.P. Structure #5 0.32 mi.
Off-Ramp to Red Hill 0.38 mi.
On-Ramp from Moanalua Fwy. & Halawa Viaduct 0.48 mi. 0.08 mi.
Off-ramp to Halawa C.P. (Struct 16) 0.58 mi. 0.08 mi.
End Halawa Viaduct 0.64 mi.
N. Halawa Valley Bridge #1 "VMW Station" 0.89 mi.
N. Halawa Valley Old Access Rd. 1.12 mi. 1.10 mi.
N. Halawa Valley Bridge #2 1.37 mi. 1.28 mi.
N. Halawa Valley Emergency Escape Ramp 1.47 mi.
N. Halawa Valley Bridge #3 1.61 mi. 1.85 mi.
Culvert 1.76 mi. 1.94 mi.
Beg 1.93 mi. 1.94 mi.
End 2.07 mi. 2.15 mi.
N. Halawa Valley Bridge #4 2.31 mi.
ECB & 3 MP 2.54 mi.
N. Halawa Valley Bridge #5 Beg 2.79 mi.
End 2.88 mi.
N. Halawa Valley Bridge #6 Beg 3.05 mi. 2.83 mi.
End 3.29 mi. 3.05 mi.
Beg 3.32 mi. 3.29 mi.
End 3.61 mi. 3.58 mi.
Beg N. Halawa Valley Viaduct Beg 3.75 mi. 3.46 mi.
End 3.96 mi. 4.00 mi.
Beg 4.18 mi. 4.14 mi.
4 MP 4.43 mi.
Beg 4.56 mi. 4.65 mi.
5 MP 4.86 mi.
Variable message Electronic Signs 4.90 mi.
Beg I.B. 5.47 mi. Halawa Valley Viaduct 5.28 Mi. 5.28 mi.
End I.B. 5.47 mi. Approach Bridge 5.37 mi.
Harano Tunnel Beg "The Harano Tunnels" (@ Portuguese tile wall) 5.45 mi.
6 MP 5.84 mi.
5.93 mi.
6.03 mi.
6.12 mi.
6.22 mi.
6.31 mi.
7 MP 6.41 mi.
6.39 mi.
End "The Harano Tunnels" (@ Portuguese ceramic tile wall) End O.B. 6.47 mi.
Beg 6.61 mi. 6.58 mi.
8 MP 6.97 mi.
7.20 mi.
Beg 7.23 mi.
6.99 mi.
End 7.46 mi.
7.45 mi.
Beg 7.59 mi.
End 7.71 mi.
Beg 7.86 mi.
End 7.99 mi. 7.87 mi.
Beg 8.17 mi.
8.26 Mi.
Beg 8.41 mi.
8.28 mi.
8.58 mi.
8.59 mi.
8.74 mi.
End 8.72 mi.
Beg 8.79 mi.
End 9.08 mi.
Beg 8.94 mi.
Beg 9.02 mi.
9.24 mi.
9.61 mi.
9.69 mi.
9.74 mi.
9.98 mi.

ROUTE CONTINUED ON SHEET #2

SCALE: (In Miles) 2" = 1 mile

**Divided Highway**

**Undivided**

**Shoulder: Width and Type**

10' AC

**Pavement: Width and Type**

24' AC 0.56

**Shoulder: Width and Type**

10' AC 0.38 4' AC

**Median: Width and Type**

**Median Barriers:**

2' Conc Barrier 1.87 8' Conc Barrier 1.89 6' OPENING 2.89 DWNGHO 3.05 2' – 4' Conc Barrier 3.32 6' OPENING 3.87 DWNGHO 3.75 4'–12' Grass 4.21 OPENING VARIES 6.38 2W–201 6.45 "The Harano Tunnels" 6.47 OPENING VARIES 7.93 M/M guardrail 8.41 4'–25' Grass OPENING VARIES 8.78 2' Conc Barrier

8' Conc Barrier
2' – 4' Conc Barrier
(12' PCC) 6.53
M/M guardrail

**Shoulder: Width and Type**

10' AC 0.30 6' AC (Median Crossover Guardrail, 1.78 mi.)

10'–12' PCC 7.19 12'-4" PCC 8.89

**Pavement: Width and Type**

24' AC 0.56

**Shoulder: Width and Type**

10' AC

10' PCC
24' PCC
4' PCC
6' PCC 36' PCC 10' PCC 24' PCC 4' PCC 4'-9" PCC 8.89 4' PCC
10' PCC 24' PCC 4' PCC 10' PCC 24' PCC 4' PCC

7.84 8.17

**Number of Traffic Lanes**

4 – 12' 3 – 12' 2 – 12' 4 – 12'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

12' Decel Lanes 0.18 0.39 0.52 0.57 0.24 5.19 5.24 5.40 5.50 8.51 8.57

Accel. lanes from Tunnel Com. Cntr. 5.19 5.34 5.38 5.50

**(Right Side)**

12' Accel Lane 0.42 0.84

12' PCC/AC Crossover Lanes

12' Decel lane

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**

**Curb and/or Gutter: Type (Right and Left)**

**Protective Devices: Type, Location and Number**

**Illumination: Type, Location and Number**

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

Large Urbanized (4) (Honolulu – 52) 1.10

Rural (1)

7.45 Small Urbanized (3) (Kaneohe/Kailua – 320)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**

Mountainous

8.72 Rolling

**Speed: 1–Design, 2–Posted**

60 MPH (2) 4.97 5.10 55 MPH (2) 6.68 6.79 45 MPH (2) 8.35 55 MPH (2)

**Intersection Control Devices: Type, Location and Cycle Timing**

**Traffic Stations (Current Year)**

**HPMS Sections – AADT 2007**

26,126 49,259 47,775 26,141

**HPMS Sections – AADT 2006**

47,300 47,300 47,300 26,900

**HPMS Sections – AADT 2005**

28,200 0.56 46,859 1.10 46,859 8.77 26,652

6.47 7.45 7.74

**DOD Sections**

**Census Tracts**

**Functional Classification**

INTERSTATE (11) 1.10 INTERSTATE (1) 7.45 INTERSTATE (11)

**National Highway System (NHS)**

On NHS (1)

**Previous Projects: Project No., Date and Limits**

(I-H1-1 (109):13, 1976) (I-H3-1(54), 1991) (N. Halawa Valley Hwy, Unit 1A) (N. Halawa Valley Hwy, Unit 1, Phase 1B) (Halawa Approach & Tunnels, I-H3-1(64), 1994) (Haiku Approach & Tunnels) (Haiku Valley Bridges, I-H3-1(52), 1991)
0.32 0.76 I-H3-1(51), 1991 1.13 I-H3-(59), 1995 I-H3-1(68), 1997 3.10 I-H3-1(69,70), 1996 4.13 I-H3-1(71) Halawa Viaduct, 1995 5.28 O.B. 5.83 I-H3-1(61), 1993 6.49 I.B. 5.37 6.61 I-H3-1(57, 56), Windward Viaduct, 1994 (Hospital Rock Tunnels) 7.87 I-H3-1(53), 1992 8.36 8.39 8.75 (Kaneohe Interchange, I-H3-1(72), 1996) I-H3-1(50), Windward Hwy, 1992

SCALE: (In Miles) 2" = 1 mile

| Date Released |
|---|
| Apr. 98, J.K. |

| Revised | |
|---|---|
| Feb. 99 | J.K. |
| Mar. 04 | D.B. |
| Aug. 04 | D.B. |
| 6/06 | D.B. |
| Feb. 09 | D.B. |

# ROAD INVENTORY
# OAHU RTE – H3
# JOHN A. BURNS FREEWAY

*Note: H3 placed in service – Dec 1997*

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

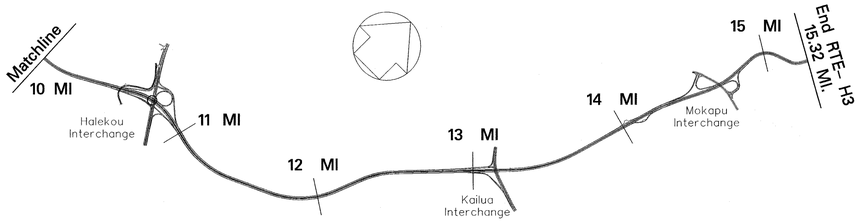
**Total Route Length:** 15.32 miles

**a. Survey Length:** 15.32 miles

**b. Proposed Length:** 0.00 miles

**c. Other Length: *** 0.00 miles

*




CONTROL SECTION DESCRIPTIONS:

Sta 609+64, Southwest end of Kailua IC @ end of On-ramp K-2 to H-3 IB from Mokapu Saddle Rd.

Sta 642+00, 1000' northeast (Mokapu side) of Kailua IC

Sta 685+50, South (Honolulu) end of Mokapu IC @ end of On-ramp M-2 to H-3 IB from Kaneohe Bay Drive.

Sta 724+75, North end of Makapu IC @ end of On-ramp to H-3 OB from Kaneohe Bay Drive.

**SCALE: (In Miles) 2" = 1 mile**

**Maintenance Control Sections : Length and Description**

H3–I (0.55 mi.) | H3–J (1.84 mi.) | H3–K (0.50) | H3–L (0.99 mi.) | H3–M (0.50) | H3–N (0.48) | End H3–N same as end route.

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

205' Prestr. Cont. Conc. Girder, HS–20, 1977 | 147' Prestr. Cont. Conc. Girder, HS–20, 1977 | 169' Concrete Box, HS–20, 1971 | ? Cont. Conc. Box Girder, HS–20, 1967 | Culvert, HS–20, 1967

post-tensioned box Girder, HS–20, 1984 | ?

**Vertical Clearance**

210' | 144' | 147' | 172' | 151' | 43'

**Horizontal Clearance**

52' 8" / 40' 8" | 40' | 41' | 40' | 109' | 22'

**Structure Over Hwy**

**Vertical Clearance**

16' 6"

**Horizontal Clearance**

130'

**Right of Way Width (min.–max.) if varies**

190' – 350' | 280' – 1050' | 280' – 630' | 320' – 540' | 210' – 405' | 240' – 570' | 240' – 450' | 350' – 500' | 380' – 920' | 170' – 250'

**Available Right of Way Width (Needs Study)**

**Right of Way Fence: Type – Right and Left**

**Control of Access: 1–None, 2–Partial, 3–Full**

Full

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

State

**Project No., Type of Construction, and Year Constructed**

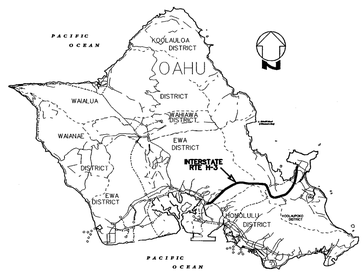
490+04 | 745+17.05

IM–H3–1(80), Resurface, 2007

**Project No., Type of Construction, and Year Constructed**

I–H3–1(75),Unit 2, Finish 1998

IM–H3–1(77), Resurf., 2000




**Road Diagram**

* MP = Milepost Signage

Route RTE–H3 continued from Sheet #1

Telemetry Sta. 41T | On-ramp from Kam Hwy | Service Road O.P. | Culvert | H–3 Kamehameha Hwy Separation | Culvert | Kam Hwy | Off-ramp to Kam Hwy | Kapaa Quarry Separation #2 | Kapaa Quarry Separation #1 | Kailua Separation | On-ramp K–1 (Exit 14) | On-ramp K–2 | Ext. from Lookout | On-Ramp M–2 | On-Ramp M–1 & Off-Ramp M–3 Mokapu Separation (Exit 15) | On-Ramp M–4 | Culvert

RTE H3

JOHN A. BURNS FREEWAY

Indicates Grass & / or Physical Barrier on Median.

Off-ramp to Kam Hwy (Exit 11) | On-ramp from Kam Hwy | Ext. to Kaneohe Bay, Lookout | Ext. from Lookout

End Route – H3 @ sta. 745+66.36, 28' Northeast of centerline of Culvert 15.32 mi.

**SCALE: (In Miles) 2" = 1 mile**

**Divided Highway**

**Undivided**

**Shoulder: Width and Type**

10' PCC | 10' AC

**Pavement: Width and Type**

24' PCC | 24' AC

**Shoulder: Width and Type**

4'-15' PCC Taper, 4' PCC | 15' AC | 4' AC | 2' Conc Barrier | 9' AC

**Median: Width and Type**

2' Conc Barrier | 32' Grass w/ 6' Conc Gutter | 32' Grass

**Median Barriers:**

2' Conc Barrier w/Glare Screen

**Shoulder: Width and Type**

4' PCC | 4' – 21' PCC Taper | (21' – 4' AC Taper) | 4' AC | 9' AC

**Pavement: Width and Type**

24' PCC | 24' AC

**Shoulder: Width and Type**

10' PCC | 10' AC

**Number of Traffic Lanes**

4 – 12'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

12' Decel Lane | 12' Accel Lns. | All 12' Accel/Decel Lanes

**(Right Side)**

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**

**Curb and/or Gutter: Type (Right and Left)**

**Protective Devices: Type, Location and Number**

All guardrails M/M | Inertial Barrier System

**Illumination: Type, Location and Number**

High Pressure Sodium | High Pressure Sodium

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

Small Urbanized (3) (Kaneohe/Kailua – 320)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**

Rolling | Mountainous | Flat

**Speed: 1–Design, 2–Posted**

55 MPH | 45 MPH (2) | 35 MPH (2)

**Intersection Control Devices: Type, Location and Cycle Timing**

**Traffic Stations (Current Year)**

**HPMS Sections – AADT 2007**

26,141 | 23,940 | 12,120 | 13,130

**HPMS Sections – AADT 2006**

26,900 | 23,700 | 12,000 | 13,000

**HPMS Sections – AADT 2005**

26,652 | 23,483 | 11,870 | 12,885

**DOD Sections**

**Census Tracts**

**Functional Classification**

Interstate (11)

**National Highway System (NHS)**

On NHS (1)

**Previous Projects: Project No., Date and Limits**

I–H3–1(75), Unit 2, Finish 1998 | IR–H3–1(56), Rehab., 1987 | IR–H3–1(55), Resurf., 1986

I–H3–1(50), 1992 (Windward Hwy.) | I–H3–1(24):11, 1988 | I–H3–1(2&23):11, 1974 | I–H3–1(2&23):11, 1974 | I–H3–1(8):14 & I–H3–1(2):8, 1975 | I–H3–1(6):12, 1977) | (I–H3–1(7):13 & I–H3–1(2):8, 1975)

**SCALE: (In Miles) 2" = 1 mile**

| Date Released |
|---|
| Apr. 98, J.K. |
| **Revised** |
| Feb. 99 J.K. |
| Mar. 04 D.B. |
| Aug. 04 D.B. |
| 6/06 D.B. |
| Dec. 07 D.B. |

# ROAD INVENTORY

# OAHU RTE H–201
# MOANALUA FREEWAY

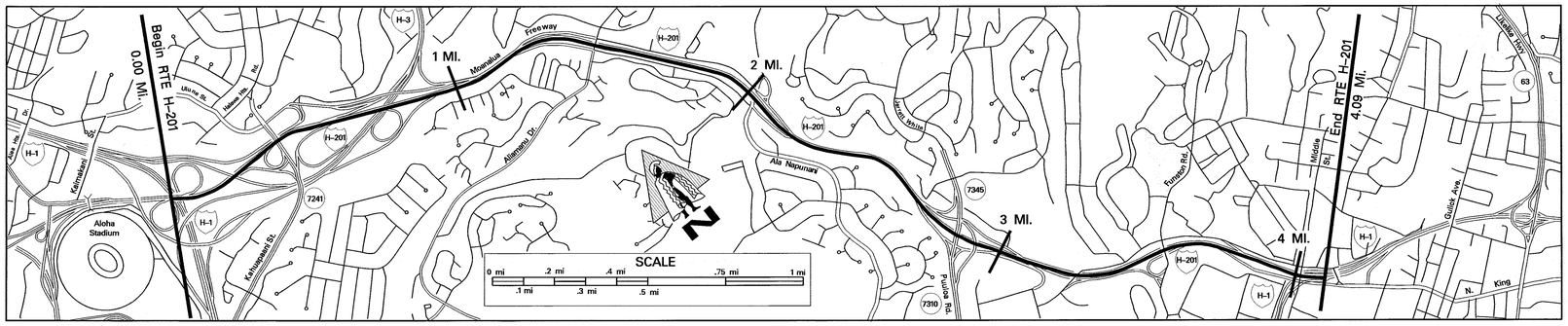
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**Total Route Length:** 4.09 miles
**a. Survey Length:** 4.09 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles

*




**SCALE: (In Miles) 4" = 1 mile**

**Maintenance Control Sections : Length and Description**

78A continues from Rte 78 | 78 A (4.75 mi.) | End 78A at Middle St. Sep. 4.01

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

P/S Conc. Gdr. 1972, HS 20 — 340′ — 244′
P/T Conc. Box Gdr. 1974, HS 20 — 395′
Prestressed Beam 1974, HS 20 — 146′
P/S Conc. Gdr. 1973, HS 20 — 166′
RC Box Gdr. 1974, HS 20 — 847′ | 1200′
105′ TBM 1955, HS 20
CBG 1960
HS 20 Slab 1960
Culvert HS 20 1960 — 62′
RC Box Gdr. HS 20, 1964

**Vertical Clearance**

P/S & RC Box Gdr 1974, HS 20

**Horizontal Clearance**

116′ | 118′ | 130′ | 28′ | 28′

**Structure and Road**

**Vertical Clearance**

19′ 8″ | 17′ 10″ | 17′ 3″ 16′ 6″ | 18′ | 17′ 7″ | 36′ 36′ 6″ Inb. / 36′ 38′ Outb.

**Horizontal Clearance**

64′ | 68′ | 52′ 40′ | 52′ | 33′

**Right of Way Width (min.–max.) if varies**

Estimated 200′+ | 230′ – 550′ | Estimated 200′+

**Available Right of Way Width (Needs Study)**

Residential Area

**Right of Way Fence: Type – Right and Left**

CL – 40′ FP | 8′ FP CL | CL – 15′ FP | CL – 40′ FP | 50′ FP CL

**Control of Access: 1–None, 2–Partial, 3–Full**

Full

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

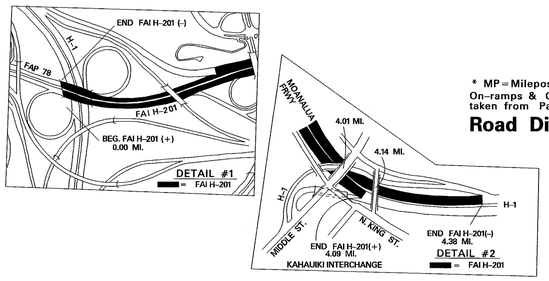
State

**Project No., Type of Construction, and Year Constructed**

← STA 0.00 | DPI–0203(1), Resurface 2005 | STA 12+35 →

**Project No., Type of Construction, and Year Constructed**

I–H3–1(75), Unit 2, 1998, H3 Finish | STP–H201(3) Frntg. Rds. Resurface 1999 | (7310A–01–88M (R) 1988) | I–H1–1(187)1985 Imprv. Outb. Lanes




* MP = Milepost Signage
On–ramps & Off–ramps taken from Painted Origin

**Road Diagram**

BEGIN RTE H–201 (+) ON MOANALUA FRWY. AT THE Begin of H–1 U.P. AND RAMP FROM H–1.

On–Ramp from H–1 U.P. and Ramp from H–1 (See Detail #1) | Loops | On–Ramp to H–1 West Bound & Begin HOV Express Ln. (See Detail #1) | Kahuapaani St. On–Ramp & Off–Ramp to H–1 West Bound | On–Ramp to H–1 West Bound | On–Ramp from Halawa Hts. Rd. & Begin HOV Express Ln. | On–Ramp from Halawa Hts. Rd. & Begin HOV Express Ln. | Off–Ramp to Halawa Hts. Rd. | On–Ramp from Halawa Hts. Rd. | End Bridge Off–Ramp to H–3 North Bound | On–Ramp to H–3 North Bound | On–Ramp from H–3 and Halawa Hts. Rd. "A" U.P. Bridge | On–Ramp from H–1 East Bound | Off–Ramp to Halawa Hts. Rd., Camp Smith & H–3 | Off–Ramp to Ala Kapuna Rd. (Exit 2) | On–Ramp from Ala Kapuna Rd. | Ala Kapuna Rd. O.P. | Off–Ramp to Ala Kapuna Rd. | "Lakeside Division" (Ala Aolani St. U.P.) | On–Ramp from Ala Aolani St. & S. Frontage Rd. | Off–Ramp to Ala Aolani St. & S. Frontage Rd. | On–Ramp from Ala Aolani St. & S. Frontage Rd. | Off–Ramp to Puuloa Rd. (Rte 7310 N.) (R) | On–Ramp from Puuloa Rd. (Rte 7310 S.) (R) | Off–Ramp to Puuloa Rd. (Rte 7310 N.) (R) | On–Ramp from Puuloa Rd. (Rte 7310 S.) (R) | Off–Ramp to Puuloa Rd. O.P. | On–Ramp from Kaua St. & Begin Moanalua Freeway West Bound | On–Ramp from Puuloa Rd. O.P. | Off–Ramp to Moanalua Freeway East Bound & King St. | Ahua St. O.P. | Off–Ramp to Puuloa Rd. & Moanalua Freeway East Bound | Ft. Shafter Sep. O.P. | Off–Ramp to Ft. Shafter Sep. & Middle St. | Kahuhipa Bridge On–Ramp from Middle St. | Off–Ramp to Ft. Shafter Sep. | On–Ramp to Ft. Shafter Sep. | Structure A Middle St. Sep. O.P. | END RTE H–201 (–) DIRECTION AT THE SPLIT FROM H–1 OFF–RAMP | END RTE H–201 (+) DIRECTION ON MOANALUA FREEWAY AT THE NOSE OF THE H–1 TUNNEL UNDER KING ST. & MIDDLE ST. (SEE DETAIL #2).

H–201 | MOANALUA FREEWAY | H–1 Off–ramp

1 MP | 2 MP 1.33 mi. | 3 MP | 2 MP 2.34 mi. | 4 MP +3.25 mi | 4 MP | 4.09 mi. | 4.38 mi.

Off–Ramp to Halawa Hts. Rd. | On–Ramp from Halawa Hts. Rd.

(Indicates Physical Barrier on Median.)

**SCALE: (In Miles) 4" = 1 mile**

**Divided Highway — Undivided**

**Shoulder: Width and Type**

10′ PCC | 10′ AC | 8′ PCC | 8′ AC | 6′ AC | 10′ AC | 8′–10′ AC | 10′ AC | 8′ AC | 4′ AC

**Pavement: Width and Type**

24′ PCC | 24′ AC | 12′ AC | 48′ AC | 36′ PCC | 36′ AC | 48′ AC | 36′ AC | 48′ AC | 36′ AC | 31′ AC

**Shoulder: Width and Type**

12′ PCC | 10′–12′ AC | 12′ PCC | 12′–14′ AC | 10′–12′ AC | 8′–10′ AC | (8′ Twin Conc. Barriers with Dirt Fill & Shrubs) | 6′–8′ AC | 4′ AC

**Divided Highway**

**Median: Width and Type**

8′ Twin Conc. Barrier with Dirt Fill & Shrubs. | 2′ Conc. Barrier | 8′ Twin Conc. Barrier with Dirt Fill & Shrubs | 2′ Conc. Barrier | 2′ Conc. Barrier

**Median Barriers:** —— = Conc. Barriers

**Shoulder: Width and Type**

8′ PCC | 10′–12′ AC | 12′ PCC | 10′–12′ AC | 8′–10′ AC | 4′–6′ AC | 6′–8′ AC | 4′ AC

**Pavement: Width and Type**

24′ PCC | 24′ AC | 36′ AC | 48′ AC (48′ PCC) | (36′ 36′ PCC) AC | 48′ AC | 36′ AC | 48′ AC | 36′ AC | 31′ AC

**Shoulder: Width and Type**

8′ PCC | 10′ AC | 8′ PCC | 10′ AC | 6′ AC | 10′ AC | 8′ AC | 10′ AC | 8′ AC | 2′ AC

**Number of Traffic Lanes**

2–12′ | 1–12′ | 4–12′ | 3–12′ | 4–12′ | 3–12′ | 4–12′ | 3–12′ | 4–12′ | 3–12′ | 2–10′,1–11′ | (2–10′,1–11′)

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

(1–12′ Accel) | (1–12′ Accel, Decel) | (2–12′ Accel) | (1–12′ Decel) | 2–12′ | (1–12′ Accel)

**(Right Side)**

(1–12′ Accel, Decel) | (1–12′ Accel) | (2–12′ Accel) | (1–12′ Decel) | (1–12′ Accel)

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**

**Curb and/or Gutter: Type (Right and Left)**

(AC Gutter) | (4′ Conc. Gutter) | (AC Gutter) | (AC Gutter) | AC Gutter | AC Gutter | (Conc. Barrier) | (Conc. Barrier) | (Conc. Barrier) | (Conc. Barrier) | (Conc. Barrier) | (Conc. Curb & Gutter) | AC Gutter | (Conc. Barrier) | Conc. Barrier | Conc. Barrier | (Conc. Barrier)

**Protective Devices: Type, Location and Number** — All Guardrails, Metal Rails on Metal Posts Unless Otherwise Noted.

**Illumination: Type, Location and Number**

Sodium Vapor | Mercury Vapor

**Curves: Degree of Curvature (Right and Left)**

**~~Superelevation (Range)~~ HOV Lane**

Express HOV Lane, Morning 6:00–8:00 AM, Afternoon 3:30–6:00PM, Car Pools – 2 or more, Motorcycles O.K.

**Grades: % Grade, Positive or Negative**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

Large Urbanized (4) (Honolulu – 52)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**

(2) Rolling

**Speed: 1–Design, 2–Posted**

50 MPH (2) | 50 MPH (Min 40 MPH) (2) | 50 MPH (2)

**Intersection Control Devices: Type, Location and Cycle Timing**

**Traffic Stations (Current Year)**

**HPMS Sections – AADT 2007**

(49,190) | 38,885 | (49,190) | 99,890 | 138,675 | 128,070 | 138,675 | 151,805 | 112,315 | 115,345 | 101,530 | 121,810

**HPMS Sections – AADT 2006**

(48,700) | 38,500 | (48,700) | 98,900 | 137,300 | 126,800 | 137,300 | 150,300 | 111,200 | 114,200 | 100,521 | 120,600

**HPMS Sections – AADT 2005**

(48,234) | 38,109 | (48,234) | 97,966 | 135,984 | 125,522 | 135,984 | 148,787 | 110,050 | 113,036 | 113,036 | 119,430

**DOD Sections**

DOD 225 | DOD 230 | DOD 235

**Census Tracts**

75.03 | 75.01 | 75.02 | 67.02 | 68.01 | 67.01 | 68.03 | 66 | 62.01

**Functional Classification**

Interstate (11)

**National Highway System (NHS)**

On NHS (1)

**Previous Projects: Project No., Date and Limits**

78A–01–90M(R), Inb. Lanes, 1990 | 78A–01–91M, 1993, Resurface Outbound Lanes | IM–H201, 1995 Resurface | (IR–H1–1(214) Resurf. 1992)
TQF–F–078–1(18) 1981 New Constr. | TQF–F–078–1(21) 1984 New Const.
F–FR–078–1(25) Resurf. 1985 | (I–H1–1(178) Imprv., 1984)
F–FF–078–1(17), 1979 Eastbound Collector Rd. | (I–H1–1(29):1B, 1964)
I–H1–1(88):13, 1971,75 | I–H1–1(89):13, 1971,74 | F–078–1(11) 1973 | F–078–1(7) 1973, 1975 | F–078–1(10) 1971, 1975 | US–6–0720(3) | S–0720(1), Unit 2 1958 | BU–072–1(2), 1960 | Unit3, 1960

| Date Released |
|---|
| *Feb 2004, D.B.* |
| **Revised** |
| *Aug. 04* D.B. |
| *6/06* D.B. |

# ROAD INVENTORY

# OAHU RTE 61
# PALI HIGHWAY

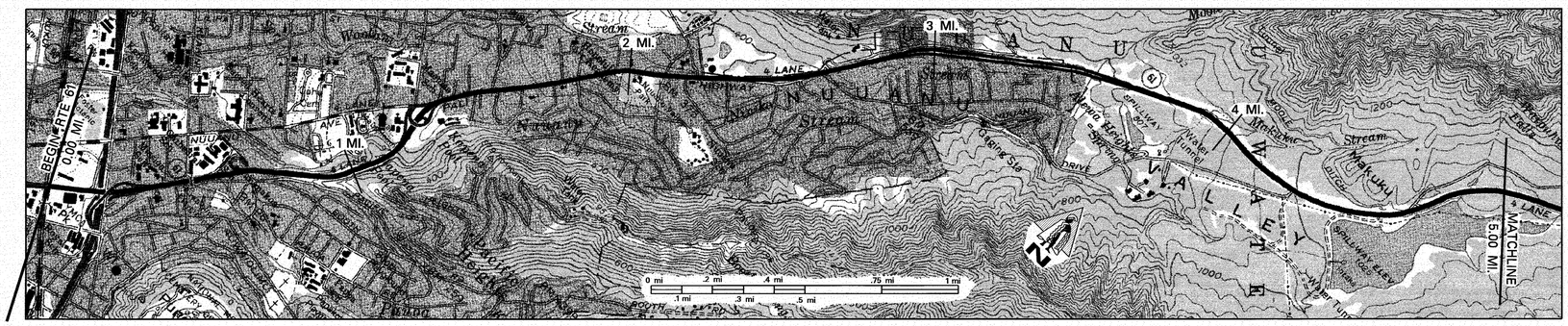
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 10.60 | MILES (a+b) |
| a. Existing Length: | 10.60 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 10.60 | MILES (a+b, less c) |
| a. Existing Length: | 10.60 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Maintenance Control Sections : Length and Description

61 A (5.69 mi,)

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed

① 137', CBG, HS-20, 1960
② 477', CBG, 1960
③ 27', Culv., H-20, 1961
④ 27', CF, Pedest., 1961
⑤ 69', P/CB, HS-20, 1961
⑥ 73', Slab, HS-20, 1962
⑦ 94', CBG, HS-20, 1962
⑧ Slab, 1961

Vertical Clearance: 28' | 16' 6" | 50' | 50' | 76' | 26' | 70'

Horizontal Clearance

**Structure over Road**

Vertical Clearance: 36' | 17' 4" | 36'

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 120' | 120'–480' | 120' | 100'–330' | 100'–285' | 200'–650'

Available Right of Way Width (Needs Study): Residential Area | Trees and Bushes

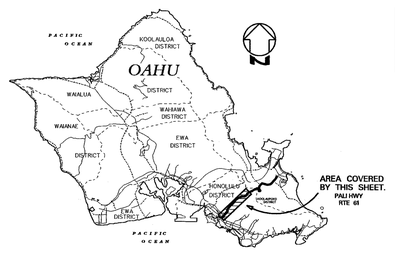
Right of Way Fence: Type – Right and Left: Chainlink 8' from Pvmt. | Stonewall 10' from Pvmt. | Stonewall 10' from Pvmt. | Stonewall (Stonewall) 20' from Pvmt. | (Chain Link) | Chainlink 20'–40' from Pvmt. | Chainlink 20'–40' from Pvmt.

Control of Access: 1–None, 2–Partial, 3–Full: Partial

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): (HWY–O–04–04, Imp., 2007) | State

Project No., Type of Construction, and Year Constructed: 61A–01–01 Safety Imprv. 2003

Project No., Type of Construction, and Year Constructed: STP–061–1(30), Resurf. 1994 | STP–064–1(34) Imp. 2001 | 61A–01–97M, (R) 1999 | (61B–01–98, 2000) | 61A–01–97M, (R) 1999




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

BEGIN ROUTE 61 ON PALI HWY. AT THE NORTHEAST EDGE OF PAVEMENT OF VINEYARD BOULEVARD. (RTE 98)

0.00 mi.

Sta 331 0.43 mi. Ramp to Pali Hwy. H-1 Off-Ramp (L) to Pali Hwy. Sta H1-21A 0.13mi. 0 MP Funchal St. Pedestrian O.P. Kuakini St. On-Ramp (R) from H-1 & Pauoa Rd. Sta H1-21F 0.30 mi. Sta H1-21G 0.32 mi. Pauoa Rd. U.P. Off-ramp to Pauoa Rd. Sta 61-2C 0.51 mi. Sta 61-2A 0.48 mi. Booth Rd. On-Ramp from Pauoa Rd. Lookout Partial Br. 1 MP On-Ramp from Nuuanu Br. Coelho Way Overpass Wyllie St. Off-Ramp to Wyllie St. O.P. Sta 61-3D 1.33 mi. Sta 61-3B 1.33 mi. Nilolopa Pl. Jack Ln. Akamu Pl. Sta 340 1.55 mi. Moanaeaea Pl. Laimi Rd. Ahi Pl. Ahipuu St. Road (R) Ent. to School 2 MP Puiwa Rd. Coelho Way Clubs Rd. Puialahua Way Dowsett Ave. Hinalo Pl. Wood St. Homelani Pl. Dowsett Ave. Old Pali Hwy. Waokanaka St. 3 MP 4 MP PALI HIGHWAY Nuuanu Pali Dr. ECB (L) ECB (R) Old Pali Rd. ECB (Med.) Culvert

Sta 431 0.00 mi. Sta 421C 0.12 mi. Sta 412 0.16 mi. Sta 321A 2.22 mi. Sta 332 1.12 mi.

0.00 mi. 0.13 mi. 0.16 mi. 0.18 mi. 0.30 mi. 0.32 mi. 0.43 mi. 0.48 mi. 0.51 mi. 0.60 mi. 0.64 mi. 0.80 mi. 0.90 mi. 0.94 mi. 1.00 mi. 1.06 mi. 1.12 mi. 1.15 mi. 1.24 mi. 1.28 mi. 1.37 mi. 1.46 mi. 1.55 mi. 1.73 mi. 1.82 mi. 1.95 mi. 1.94 mi. 2.02 mi. 2.03 mi. 2.10 mi. 2.17 mi. 2.21 mi. 2.28 mi. 2.32 mi. 2.37 mi. 2.47 mi. 2.57 mi. 2.64 mi. 3.05 mi. 3.07 mi. 3.51 mi. 3.58 mi. 4.04 mi. 4.28 mi. 4.58 mi. 4.67 mi. 4.71 mi. 4.85 mi.

CONTINUED ON SHEET #2

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

**Divided Highway**

**Undivided**

Shoulder: Width and Type: 0'–2' AC | 4'–6' AC | 0'–2' AC | Taper (36'–32') | (Rumble Strip) | 4'–6' AC | 8'–10' AC | 4'–6' AC

Pavement: Width and Type: 24' AC | 36' AC | 32' AC | 24' AC

Shoulder: Width and Type: 0'–2' AC | (4' Raised AC w/ Curb) | (2'–10' Raised Grs. With Curb) | 6' AC | 1'–2' AC | 3' AC

**Median**

Median: Width and Type: 12'–24' Raised Grass w/ Curb | 4' Raised AC w/ Curb | 8'–24' Raised Grass w/ Curb | (6'–12' Raised Grs. With Curb) | (3' Raised Conc. w/ Curb) | 4' Barrier | 10'–38' Grass | 4' Barrier

Median Barriers: Legend: ═══ =Conc. Barrier ├─┤ =M/M Guard Rail ×—×—×—× =Chain Link Fence

**Undivided**

Shoulder: Width and Type: 1'–2' AC | 9' AC | 2' AC | 0' | 2'–4' AC

Pavement: Width and Type: 24' AC | 36' AC | 32' AC | 33' AC | 22' AC, 10' PCC | 24' AC

Shoulder: Width and Type: 0'–2' AC | 10' AC | 0'–2' AC | 6'–8' AC | 0'–2' AC | 0'–2' PCC | 8'–10' AC | 0'–2' AC | 8'–10' AC | 2'–4' AC

Number of Traffic Lanes: 3–12' | 2–12' | 3–12' | 2–11', 1–10' | 2–11' (L), 1–10' (R) | 3–11' | 2–11' (L), 1–10' (R) | 2–12' | 4–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 12' T.L. | 10' Decel. Ln. | 10' T.L. | 10' | 10' | 10'

# ROAD INVENTORY

# OAHU RTE 61

## PALI HWY. – KALANIANAOLE HWY. – KAILUA RD.

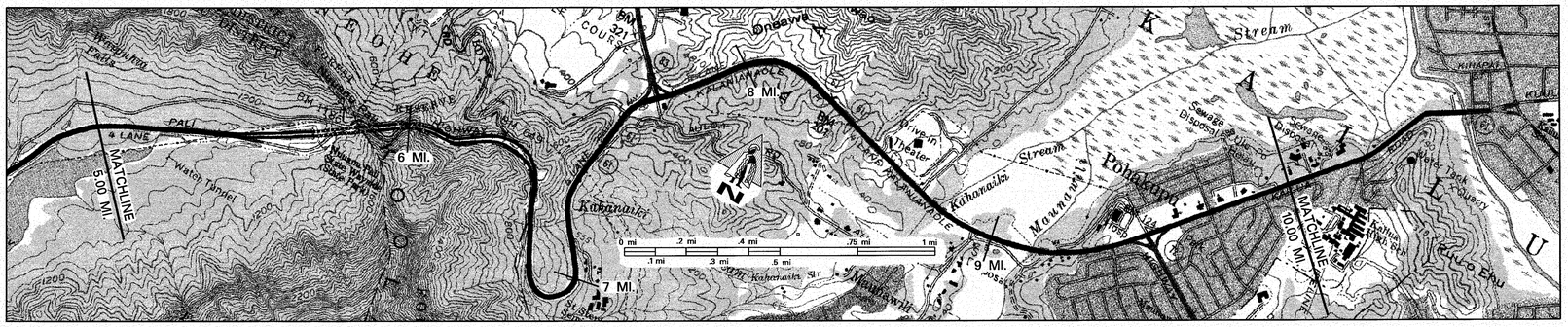
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 10.60 | MILES (a+b) |
| a. Existing Length: | 10.60 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 10.60 | MILES (a+b, less c) |
| a. Existing Length: | 10.60 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

**Maintenance Control Sections : Length and Description**

61 A (5.69 mi.) | Beg. 61 B at Beg. of Tunnel 5.69 | 61 B (0.35 mi.) | End 61 B at End of Tunnel #2 5.94 | 61 C (3.46 mi.) | End 61 C – Beg. 61 D at the Centerline Inter. of Kalanianaole Hwy. and Kailua Rd. 9.50 | 61 D (1.10 mi.)

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

⑨ OTH, Tunnel, 1957 1000'
⑩ OTH, Tunnel, 1959 1080'
⑪ TBM, HS–20, 1956 497'
⑫ TBM, HS–20, 1956
⑬ TBM, HS–20, 1956
⑭ OTH, Tunnel, 1957
⑮ OTH, Tunnel, 1961
⑯ (4A) 114' TBM, HS–20, 1961
⑰ (4) 400', CBG, HS–20, 1956
⑱ (4B) 131', CBG, HS–20, 1961
⑲ (5) 330', CBG, HS–20, 1956
⑳ (4C) 74', CF, HS–20, 1961
㉑ (6) 194', Slab, HS–20, 1956
㉒ (6A) 206', CBG, HS–20, 1961
㉓ (7) 301', CBG, HS–20, 1956
㉔ (7A) 129', CBG, HS–20, 1961
㉕ (8) 373', TBM, HS–20, 1956
㉖ (8A) 176', CBG, HS–20, 1961

**Vertical Clearance** — TBM, H20, 1951 104' | TBM, H20, 1951 122'

**Horizontal Clearance** — 24' | 25' / 24'

**Structure Over Road**

**Vertical Clearance** — 16' | 16' 03" | 16' 05" | 16' 10" | 32' | 31'

**Horizontal Clearance** — 24' | 24' | 24' | 24'

**Right of Way Width (min.–max.) if varies**

200' – 650' (5.79) | 160' – 580' (6.14) | 180' – 370' (6.56) | 190' – 470' (7.65) | 130' – 320' (9.54) | 120' – 200'

**Available Right of Way Width (Needs Study)**

Trees and Bushes (9.54) | Residential

**Right of Way Fence: Type – Right and Left**

20'–40' from Pvmt. Chain Link (5.22) | Chain Link (6.26) 5' from Pvmt. (6.31) | Stone Wall (6.90) 5' from Pvmt. (6.95) | 10' from pvmt Anchor Wire Mesh (8.33–8.48) | Stone Wall 20'–30' from Pvmt. (9.48–9.57) | Tile Wall 20' from Pvmt. (9.61–9.70) | Various (9.70–9.96)

**Control of Access: 1–None, 2–Partial, 3–Full**

Partial

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

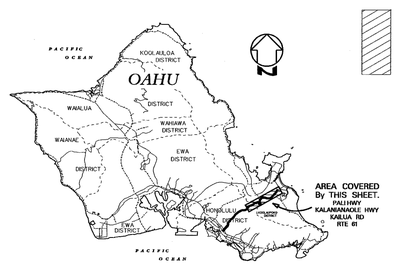
State

**Project No., Type of Construction, and Year Constructed**

245+00 | 251+00 (8.33–8.48) (HWY–O–04–07M, Slope Maintenance, 2008) | 306+00 (9.30) | STP–061–1(33), Shldr. 2000

**Project No., Type of Construction, and Year Constructed**

61A–01–97M, (R) 1999 (5.69) | 61ABC–01–90M, (R) 1991 (7.88) | 61C–01–05M, Resurface, 2006 (9.30) | 61 CD–01–92M, (R) 1993 (9.54)




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

5.00 mi. CONTINUED FROM SHEET #1

Old Pali Rd. 5.07 mi. | Old Pali Rd. 5.43 mi. | Begin Tunnel #1 (R) ECB 5M, 323/323A 5.66 | Tunnel #1 (R) 5.59 mi. | End Tunnel #1 (R) ECB 5.69 mi. | Begin Tunnel #2 (R) 5.84 mi. | End Tunnel #2 (R) ECB 5.90 mi. | 3 Bridges between Tunnels (Inbound only) 5.90 mi. | Bridge #5 6.01 mi. | Bridge #4C 6.04 mi. | Bridge #4B 6.13 mi. | Bridge #4A 6.15 mi. | Bridge #6 6.23 mi. | Bridge #7 6.28 mi. | Bridge #8 6.31 mi. | Bridge #8 6.40 mi. | Runway Truck Ln. 6.51 mi. | ECB (L) 6.61 mi. | Lookout Exit ECB (R) 6.89 mi. | Lookout Ent. 6.93 mi. | St. Stevens Seminary 7.03 mi. | Runway Truck Ramp 7.11 mi. | Old Pali Rd. 7.44 mi. | Kam Hwy ECB (L) 7.57 mi. | Auloa Rd. 7.68 mi. | Kahanaiki Br. 7.67 mi. | Kapaa Quarry Rd. 8.72 mi. | Auloa Rd. 8.94 mi. | Maunawili Br. 9.10 mi. | Ulupii St. 9.39 mi. | Access from Kalanianaole Hwy. Ent. to Castle Access to Kalanianaole Hwy. 9.48 mi. | Ulupii St. 9.71 mi. | Ulumanu Dr. 9.89 mi.

5 MP | 6 MP | 7 MP | 8 MP | 9 MP | 9.11 mi.

PALI HIGHWAY | KALANIANAOLE HWY. | KAILUA RD.

Bridge #4B 6.15 mi. | Bridge #6A 6.23 mi. | Bridge #7A 6.31 mi. | Bridge #8A 6.38 mi. | Auloa Rd. 7.68 mi. | Sta C40B 9.12 mi. | Kalanianaole Hwy. 9.48 mi. | 9.54 mi. | 9.64 mi.

Sta 33A 8.72 mi. | Sta 40C 9.89 mi. | Sta 40 9.50 mi.

CONTINUED ON SHEET #3 10.00 mi.

**SCALE: (In Miles) 4" = 1 mile**

**Divided Highway**

**Undivided**

**Shoulder: Width and Type** 9.50 mi.– 10.60 mi. (5' Bike Lane Included In Shoulder Width)

**Pavement: Width and Type**

**Shoulder: Width and Type**

**Median: Width and Type** Raised Median except where otherwise indicated.

**Median Barriers:** Legend: ——= Conc. Barrier —|—|— = M/M Guard Rail

**Shoulder: Width and Type**

**Pavement: Width and Type**

**Shoulder: Width and Type** 9.50 mi.– 10.60 mi. (5' Bike Lane Included In Shoulder Width)

4'–6' AC | 0' | 0' | 4'–6' AC | 0 | 6'–8' AC | 8'–10' AC | 12' AC | 5'–10' AC | 12' AC (7' AC)
24' AC | 25' AC | 24' AC | 22' AC
3' AC | 0'–2' AC | 6' AC | 0'–2' AC | 3'–6' AC | 2'–4' AC | 0'–2' AC
4' Barrier | 15'–28' Raised Grass w/ Curb | Tunnel (Tunnel) (36' Grass) | 14' Grass | 4' Barrier | 24' Grass
2'–4' AC | 1'–2' AC | 4'–6' AC | 0'–2' AC | 4'–6' AC | 0'–2' AC
24' AC | 25' AC | 24' AC | 22' AC
2'–4' AC | 0' | 0'–6' AC | 4'–6' AC | 10'–12' AC | 6'–8' AC | 4'–6' AC | 10'–12' AC | 4'–6' AC | 0'–2' AC | 4'–5' AC

**Number of Traffic Lanes**

4–12' | 4–12.5' | 4–12' | 4–11'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

2 –11' (L) T.Ls. | 12' T.L. | 10' T.Ls. | 10' T.Ls. | U-Turn Only | 10' T.Ls. | U-Turn Only

**(Right Side)**

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**

2' Conc. | 2' Conc. 6.05 | Conc. Curb 6.43 | 4' Conc. Gutter | (4' Conc. Gutter) | Conc. Gutter | (4' Conc. Gutter) | 6' Conc. Gutter | 2' Conc. Gutter | 4' Conc. Gutter | (2' Conc. Gutter) | 8' BF S.W. | 6' Conc. .72 | (2' AC) (7.5' Conc.) | AC Gutter | Conc. C&G 9.40 | Conc. Curb | Conc. C&G .63 | Conc. C&G .74 | (6' Conc.)

**Curb and/or Gutter: Type (Right and Left)**

Conc. C&G | Conc. Curb & 2' Conc. Gutter | 4' Conc. Gutter | (8' A.C. S.W.) | Conc. Gutter | 6' Conc. Gutter | 2' Conc. Gutter | 4' Conc. Gutter | (2' Conc. Gutter) | Conc. Curb | Conc. C&G

**Protective Devices: Type, Location and Number** All Metal Rails on Metal Posts unless otherwise noted. CB = Concrete Barrier

CB | CB | CB | CB | CB | CB | CB

**Illumination: Type, Location and Number**

HPS Lamps | HPS | 40 HPS

Tunnel Fxtr. Pendant MTD.

**Curves: Degree of Curvature (Right and Left)**

**Grades: % Grade, Positive or Negative**

**HOV Lanes/Contra–Flow Lanes**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**

Large Urbanized (4) (Honolulu – 52) (5.30) | Small Urbanized (3) (Kaneohe/Kailua – 320)

Rolling (5.45) | Mountainous (7.89) | Rolling (9.15)

**Speed: 1–Design, 2–Posted**

45 MPH (2) | 45 MPH (Left Ln. Min. 40 MPH) (2) | 45 MPH (2) | 35 MPH (2) | 45 MPH (Left Ln. Min. 40 MPH) (2) | 45 MPH (2) | 45 MPH (2) | 35 MPH (2) | 45 MPH (2) | 35 MPH (2) | 25 MPH (2)

**Intersection Control Devices: Type, Location and Cycle Timing**

Stop Lights (7.88) | Traffic Lights (8.72) | Traffic Lights (9.23) | Stop Lights (9.50)

**Traffic Stations (Current Year)**

B72 0061 00467 | B72 0061 00541 | B72 0061 00569 | B72 0061 00590 | B72 0061 00604 | B72 0061 00644 | B72 0061 00678 | B72 0061 00768 | B72 0061 00809 | B72 0061 00872 | B72 0061 00950

**HPMS Sections – AADT 2007**

48,080 | 48,180 | 47,575 | 44,240 | 46,060 | 32,725

**HPMS Sections – AADT 2006**

47,600 | 47,700 | 47,100 | 43,800 | 45,600 | 32,400

**HPMS Sections – AADT 2005**

47,176 | 47,240 | 46,589 | 43,383 | 45,112 | 32,070

**DOD Sections**

**Census Tracts**

**Functional Classification**

Freeway & Expressway (Conn. Link) (12) | Principal Arterial (14)

**National Highway System (NHS)**

On NHS (1) | Not on NHS (0)

**Previous Projects: Project No., Date and Limits**

61ABC–01–90M, (R) 1991 | (61C–01–04M, 2004, Emergency Land slide Repair) | 61 CD–01–92M, (R) 1993

NH–061–1(28), Street Light Installments, 1994 | (STP–061–1(27), Inter. Imprvt., 1993, 7.53mi. & 7.73 mi.)

61 ABC–01–90M (R), 1991 | 61 BD–01–82M (R) 1983 | 61 BD–01–82M (R) 1983 | 61 CD–01–92M, (R) 1993

InBound, S–216 (5), 1954 | InBound, S–0610 (1), 1955 | 61 BC–01–77, (R) 1978

S–216 (4), 1954 | OutBound, BF–061–1(5), 1957 | OutBound, BF–061–1(8), 1960 | S–216 (3), 1951,53 | F–15 (3), 1949 | S–230 (2), 1950

78+38.62 | 119+97.98 | 114+87.10 | 145+97.27 | 202+24.70 | 308+46

SCALE: (In Miles) 4" = 1 mile

| Date Released |
|---|
| Oct. 2002, D.B. |

| Revised | |
|---|---|
| Mar. 03 | D.B. |
| Aug. 04 | D.B. |
| 6/06 | D.B. |
| 3/07 | D.B. |
| Feb 09 | D.B. |

# ROAD INVENTORY

# OAHU RTE 61
# KAILUA ROAD

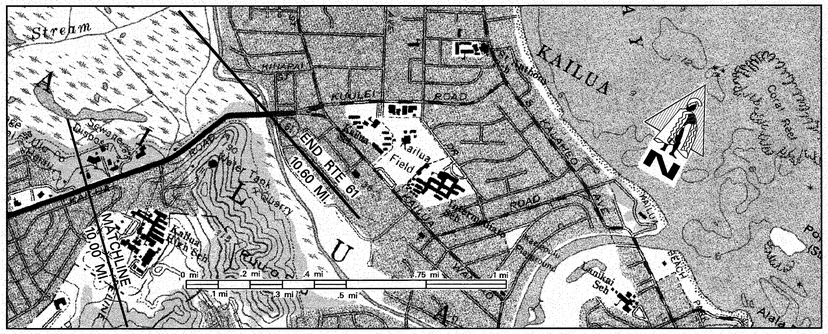
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 10.60 | MILES (a+b) |
| a. Existing Length: | 10.60 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 10.60 | MILES (a+b, less c) |
| a. Existing Length: | 10.60 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____


Stream
KAILUA
KUALEI
ROAD
Kailua Field
END RTE 61
10.60 MI.
MAKAWAO
10.00 MI.
Kailua Beach Park
Kailua Bay
Kailua Pier
Kailua Boat Ramp
Kailua Sch.
Kaelepulu Canal
Kaelepulu Pond
Kaneohe Bay
Coral Reef
Reef Runway
Kailua Rd.
Kailua Rd.
Kailua Rd.

# ROAD INVENTORY

# OAHU RTE 63
# KALIHI ST. AND LIKELIKE HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

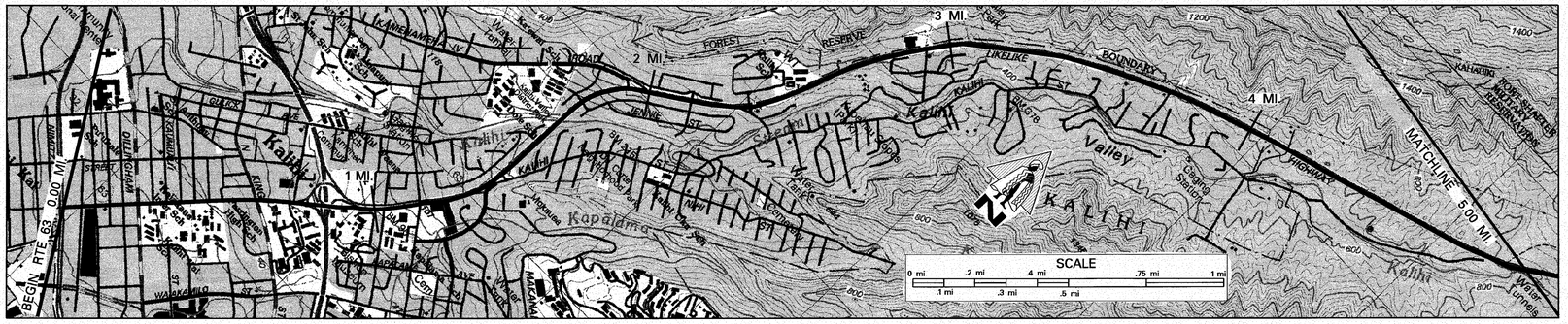
**Total Route Length:** 8.28 **MILES**

**a. Survey Length:** 8.28 **MILES**

**b. Proposed Length:** 0.00 **MILES**

**c. Other Length: *** 0.00 **MILES**

*




SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

**Maintenance Control Sections : Length and Description**

Begin 63A on Kalihi St. 9' North of E.P. of Nimitz Hwy

63A (8.28 mi.)

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

42' Rdg Frame H–20, S16, 1960 | 145'–150' Rdg. Frame H 20 S16 1960 | 203' Deck Girder HS–20–44, 1959 | TBM 1960 | P/CB 1959

**Vertical Clearance**

**Horizontal Clearance**

18' | 28' (INB) ; 32' (OUTB) | 37' (INB) 28' (OUTB)

**Structure over Road**

**Vertical Clearance**

15'–9" | 18'

**Horizontal Clearance**

49' | 34'

**Right of Way Width (min.–max.) if varies**

50' – 100' | 120' – 300' | 120' – 400'

**Available Right of Way Width (Needs Study)**

Commercial / Residential | Mountainous (Banana Patches & Forest Reserve)

**Right of Way Fence: Type – Right and Left** FP = From Pavement

5' FP | 8' FP | 20' FP | 10' FP | 25'–50' FP

**Control of Access: 1–None, 2–Partial, 3–Full**

None | Partial

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

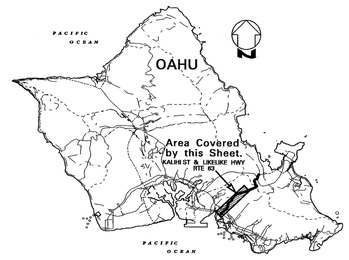
State

**Project No., Type of Construction, and Year Constructed**

CM–STP–063–1(21), Resurf., 2003

**Project No., Type of Construction, and Year Constructed**

63A–02–89 (Imprv.) 1992 | STP–063–1(20) (R) 1997 | (63A–01–86M (R) 1987) | NH–063–1(19) Resurf. 1997 | 63A–01–86M (R) 1987 | 63A–01–89M (R) 1990




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

Begin Rte 63 on Kalihi Street at the North edge of pavement of Nimitz Highway (Rte 92)

0.00 mi. Sta. 201 0.00 mi. — KALIHI STREET — 1.15 mi. Bernice St. — 1.28 mi. Sta. 208 1.28 mi. — LIKELIKE HIGHWAY — 4.84 mi. — 4.98 mi.

Kahekenui St. 0.01 mi. | Hart St. 0.05 mi. | Kalani St. 0.10 mi. | Cleburn St. 0.10 mi. | Hau St. 0.15 mi. | Dillingham Blvd. 0.19 mi. | Eluwene St. 0.24 mi. | Kaumualii St. 0.29 mi. | Ahuula St. 0.33 mi. | Kahanu St. 0.38 mi. | Ashford St. 0.42 mi. | Akine St. 0.47 mi. | King St. Frontage to Manehemehena Homes 0.51 mi. | Sta. 207 0.62 mi. | Day Pl. 0.62 mi. | Sta. H1-20C 0.75 mi. | Ramp to H1 0.75 mi. | Begin Divided Hwy. 0.80 mi. | Ramp to H1 0.88 mi. | Sta. H1-20A 0.94 mi. | Sta. H1-20E 0.88 mi. | Sta. H1-20F 0.95 mi. | 1 MP 1.01 mi. | Ramp from H1 0.95 mi. | Sta. H1-20D 0.84 mi. | Ramp from H1 0.84 mi. | H1 Overpass 0.84 mi. | Sta. 209 1.03 mi. | Sta. 210 1.15 mi. | Farrington Hwy. Underpass 1.03 mi. | Farrington Hwy. Overpass 1.03 mi. | Fernandez St. Rd. to Bishop Museum 0.99 mi. | School St. 1.15 mi. | Kalihi St. Access 1.28 mi. | Kalihi St. 1.42 mi. | Gulick Ave. 1.58 mi. | Kalihi Str. Br. 1.66 mi. | Sta. St. 14 1.66 mi. | Kono St. 1.77 mi. | Wilson St. 1.77 mi. | Sta. 231 1.94 mi. | Kam IV Access Rd. 1.94 mi. | Kam IV Rd. 2.01 mi. | Alu St. 2.14 mi. | Sta. 230 2.33 mi. | Pedestrian O.P. Kuli Kolea Dr. 2.34 mi. | Nuianiehe St. 2.33 mi. | Emmeline Pl. 2.67 mi. | Runaway Truck Ramp 2.88 mi. | Vyolet View Dr. 2.93 mi. | Rd. to Testing Lab 2.99 mi. | Sta. 232 2.98 mi. | Telemetry Counting Station 3.00 mi. | 3 MP 2.99 mi. | 4 MP 3.99 mi. | Burmeister O.P. (Hwy U.P.) 4.16 mi. | ECB 4.18 mi. | ECB 4.84 mi. | 5 MP 4.98 mi.

Continued on Sheet 2 5.00 mi.

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

**Divided Highway**

**Undivided**

**Shoulder: Width and Type**

0 | 2' AC | 2' AC / 4' Conc. | 2' AC | 4'–6' AC

**Pavement: Width and Type**

36' AC | 40' AC | 44' AC | 40' AC | 32' AC | 12' AC | 36' AC | 48' AC | 33' AC | 22' AC | 24' AC

**Shoulder: Width and Type**

0 | 0 | 2' AC | 4'–6' AC | 5' AC

**Median: Width and Type**

9'–42' Raised Grass with Curb | 24' Raised Grass w/ Curb | 12' Raised Grass with Curb | 4' Steel & Conc. Barriers w/o Glare Screen | 2' Steel Barriers | 2' AC Curb | 2' Concrete Barriers

**Median Barriers:** —×—×—×— = Chain Link —|—|— = Guardrail ——— = 2' Concrete Barrier w/ Glare Screen

**Shoulder: Width and Type**

(12' AC) | (2' Conc. Gutter) | 2' AC | 4'–6' AC | 5' AC

**Pavement: Width and Type**

14' AC | 24' AC | 36' AC | 24' AC

**Shoulder: Width and Type**

(1–14' 1–10') 0 | 2' AC | 4'–6' AC | 2' AC / 2' Grass | 4'–6' AC

**Number of Traffic Lanes**

2–10' 2–8' | 4–10' | 2–10' 2–12' 1–14' 2–12' | 3–12' 1.28 | 4–12' | 3–11' | 2–11' 2.38 | 2–12' 2.52 | 2–12' | 2–11'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

10' 0.57 | 12' 0.68 | 10' 0.82 | 12' 0.86 | (1–12') 0.95 | 12' 1.02 | 12' 1.28 | 10' 1.43 | 12' 1.58 | 11' 1.72 | 10' 1.77 | 11' 1.82 | 11' TL 2.85 | 14' 10' 2.99

**(Right Side)**

20' 0.62 | 12' 0.76 | 10' 0.86 | 10' 0.97 | 10' 1.03 | 10' 1.19 | 10' 1.29 | 10' 1.33 | 10' 1.59 | 10' 1.84 | 10' 2.08 | 10' 2.25 | 10' 2.30

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**

10' Conc. 0.24 | 6' Conc. S.W. 0.71 | (6' Conc.) | 4' Conc. | 6' Conc. S.W. | 6' B.P. S.W. 2.33 | 2.48 | 2.83 | Conc. Gutter 3.06 | 3.17 | Conc. Gutter 3.44 | 3.50 | Conc. Gutter 3.87 | 3.98 | M.C.C. 4.09 | M.C.C. 4.20 | M.C.C. 4.47 | M.C.C. 4.64 | M.C.C. 4.69 | Conc. G. 4.97

**Curb and/or Gutter: Type (Right and Left)** M.C.C. = Mountable Concrete Curb

10' Conc. S.W. | 4' Conc. | (2' Conc. G.) | 4' Conc. | 3' B.P. | 6' B.P. | Conc. Curb | Conc. Curb | Conc. Gutter | Conc. Gutter | Conc. Gutter | M.C.C. | M.C.C. | M.C.C. | Conc. G.

2' Conc. C.&G. | Conc. Curb | 2' Conc. C.&G. | Conc. Curb | 1.71 | 1.82 | AC Gutter 2.07 | (2' Conc. G.) 2.39 | (2' Conc. G.) 2.89 | 2.96 | AC Gutter 3.07 | 3.22 | (3.76–) (Conc. G.) 3.44 | 3.61 | 4.09 | 4.20 | 4.57 | 4.64 | 4.76 | 4.89 | 4.99

**Protective Devices: Type, Location and Number** All Metal on Metal

**Illumination: Type, Location and Number**

M.V. | 34 HPS | 148 HPS (to 5.35mi.)

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

Large Urbanized (4) (Honolulu – 52)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**

(1) Flat | (2) Rolling

**Speed: 1–Design, 2–Posted**

25 MPH (2) | 35 MPH (2) | 45 MPH (2)

**Intersection Control Devices: Type, Location and Cycle Timing**

2 Phase | 4 Phase | 2 Phase | 2 Phase | (B72 0063 00115) | (B72 0063 00125) | (B72 0063 00179) | 3 Phase | 2 Phase | B72 0063 00300

**Traffic Stations (Current Year)**

B72 0063 00000 | B72 0063 00024 | (B72 0063 00062) | B72 0063 00074 | B72 0063 00098 | B72 0063 00086 | B72 0063 00131 | B72 0063 00164 | B72 0063 00194 | B72 0063 00233 | B72 0063 00252 | B72 0063 00286

**HPMS Sections – AADT 2007**

12,020 | 14,850 | 20,200 | 11,920 | 40,100 | 56,865 | 37,070 | 33,330 | 31,715 | 31,715 | 27,880 | 29,795

**HPMS Sections – AADT 2006**

11,900 | 14,700 | 20,000 | 11,800 | 39,700 | 56,300 | 36,700 | 33,000 | 31,400 | 31,400 | 27,600 | 29,500

**HPMS Sections – AADT 2005**

11,746 | 14,534 | 19,829 | 11,672 | 39,268 | 55,741 | 36,352 | 32,646 | 31,069 | 31,076 | 27,334 | 29,216

**DOD Sections**

DOD 475 | DOD 480

**Census Tracts**

**Functional Classification**

Minor Arterial (16) | Principal Arterial (14) | Freeway & Expressway (Connecting Link) (12)

**National Highway System (NHS)**

Not on NHS (0)

**Previous Projects: Project No., Date and Limits**

(63A–01–88 (Sidewalks) 1991) | (63A–01–86M (R) 1987) | F–063–1(17) (Add Lanes) 1986 | F–063–1(16) (Add Lanes) 1986 | 63A–01–86M (R) 1987 | 63A–03–76M (Resurface) 1976 | 63A–01–76M (Resurface) 1976 | 63A–02–68, 1970 | 63A–01–67 (R), 1967 | 63A–08–70 (Resurface) 1970 | 63A–01–74, 1974 | US–0630(2), 1958 | US–S–0630(1), 1956 | S–0630–(3), 1958

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

| Date Released |
|---|
| Feb 2001, D.B. |
| **Revised** |
| Mar. 04 D.B. |
| 6/06 D.B. |

# ROAD INVENTORY

# OAHU RTE 63
# LIKELIKE HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

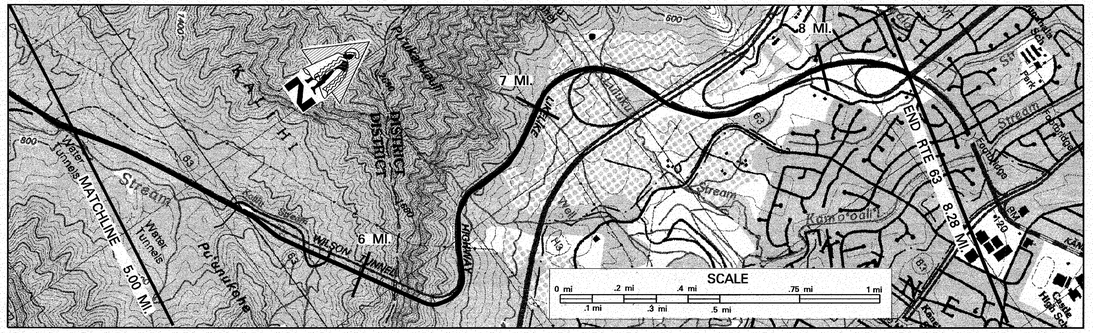
**Total Route Length:** 8.28 **MILES**

**a. Survey Length:** 8.28 **MILES**

**b. Proposed Length:** 0.00 **MILES**

**c. Other Length: *** 0.00 **MILES**

*




**SCALE: (In Miles) 4" = 1 mile**

5 | 6 | 7 | 8 | 9 | 10

**Maintenance Control Sections : Length and Description**

63A (8.28 mi.) — End 63A same as End Route

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

Culvert 1954 HS 20 131' | 1958 2775' (S.B.) 1959 2813' (N.B.) Arch Mtn Tunnel

**Vertical Clearance**

**Horizontal Clearance**

69'

**Structure Over Road**

**Vertical Clearance**

14' 9" (N.B.) | 15' 6" (S.B.)

**Horizontal Clearance**

24' (S.B.) | 24' (N.B.)

**Right of Way Width (min.–max.) if varies**

120' – 400' (5.33) | 160' (6.28) | 120' (7.33) | 150' – 180'

**Available Right of Way Width (Needs Study)**

Mountainous (Banana Patches & Forest Reserve)

**Right of Way Fence: Type – Right and Left**

(7.52) (Chainlink) (7.46) | Chainlink (7.95 – 8.27)

**Control of Access: 1–None, 2–Partial, 3–Full**

Partial

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

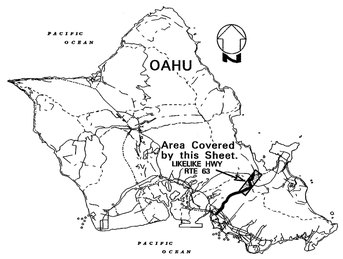
State

**Project No., Type of Construction, and Year Constructed**

238+00 (5.68) STP-063-1(22), Wilson Tunnel Imp., 2006 (6.28) 1+02 (I.B.) (O.B.) (6.33) HWY-0-06M, Resurf., 2007 53+70

**Project No., Type of Construction, and Year Constructed**

CM-STP-063-1(21), Resurf., 2003 (5.75) 2+40 63A-01-89M, (R) 1990




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

CONTINUED FROM SHEET 1

5.00 mi.

Rd. to Water Reserve (5.09 mi.) | Begin Wilson Tunnel (5.57 mi.) | Tunnel ECBs (5.77 – 6.23 mi.) | End Wilson Tunnel (5.75 mi.) | South Bound Lanes are 0.03 mi. Shorter | Paved Road (6.58 mi.) | On-Ramp from H-3 (6.93 mi.) | H-3 Overpasses (7.03 mi.) | Off Ramp to H-3 Off Ramp to Kahekili Hwy (7.50 mi.) | Emergency Escape Ramp (7.48 mi.) | On Ramp from Kahekili Hwy (7.72 mi.) | Sta 31K (7.85 mi.) | (7.82 mi.) | (7.98 mi.) | (8.18 mi.)

MP 5 | 5.76 MP | 5.74 mi. | 6.29 mi. | 6.29 MP | 6.28 mi. | 7 MP | 8.28 mi.

ECB | Tunnel ECBs | LIKELIKE HIGHWAY

241+90 | (-) 0+32 | Lookout 6.29 mi.

END ROUTE 63 ON LIKELIKE HWY AT THE SOUTHWEST EDGE OF PAVEMENT OF KAHEKILI HIGHWAY (RTE 83).

8.28 mi.

**SCALE: (In Miles) 4" = 1 mile**

5 | 6 | 7 | 8 | 9 | 10

**Divided Highway — Undivided**

**Shoulder: Width and Type**

8'–10' AC (5.40) 4'–6' AC (5.75) | 0 (6.28) | 6'–8' AC (7.38) | 8'–10' AC

**Pavement: Width and Type**

24' AC | 24' PCC (6.30) | 24' AC

**Shoulder: Width and Type**

2'–4' AC (5.89) | 0 (6.28) | 2'–4' AC (6.92) | 4'–6' AC (7.38) | 8'–10' AC

**Median: Width and Type**

2' Concrete Barriers | 4'–40' Grass | Tunnels (20' Grass) (6.30) | 4' Concrete & Steel Barrier

**Median Barriers:** ⊢⊣ = Guardrail ——— = Concrete Barrier ●═ = Terminal Impact Attenuator (6.35)

**Shoulder: Width and Type**

4'–6' AC (5.72) 5.75 | 0 (6.28) | 2'–4' AC (6.99) | 4'–6' AC (7.33) | 8'–10' AC

**Pavement: Width and Type**

24' AC | 24' PCC (6.33) | 24' AC (7.23) | 36' AC (7.82) | 24' AC (8.18) | 36' AC

**Shoulder: Width and Type**

8'–10' AC (5.57) | 6'–8' AC (5.75) | 0 (6.28) | 8' Grass (6.35) (6.53) | 2'–4' AC (7.02) | 8'–10' AC

**Number of Traffic Lanes**

2–11' 2–12' (5.38) | 4–12' | 2–12' 3–12' (7.23) | 4–12' (7.82) | 2–12' 3–12' (8.18)

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

(7.71) (7.85)

**(Right Side)**

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**

**Curb and/or Gutter: Type (Right and Left)** MCC = Mountable Conc. Curb

MCC | Conc. Gutter | AC Gutter | (AC Gutter) | Conc. Curb

**Protective Devices: Type, Location and Number** Metal on Metal unless otherwise noted

(Conc.)

**Illumination: Type, Location and Number**

from 2.93 mi. 148 HPS (5.35) | M.V. | S.V. | Sodium Vapor (L) &(R)

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

Large Urbanized (4) (Honolulu – 52) (6.28) | Small Urbanized (3) (Kaneohe/Kailua – 320)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**

(2) Rolling (5.50) | (3) Mountainous | (2) Rolling (7.70)

**Speed: 1–Design, 2–Posted**

45 MPH (2) (5.52) 5.55 | 35 MPH (2) | 6.43 45 MPH (2)

**Intersection Control Devices: Type, Location and Cycle Timing**

Traffic Lights (7.78) (7.84) (B72 0063 00818)

**Traffic Stations (Current Year)**

B72 0063 00300 (5.72) 5.75 | B72 0063 00575 (6.28) | B72 0063 00628 (7.00) | B72 0063 00700 | B72 0063 00724 (7.90) 8.20

**HPMS Sections – AADT 2007**

29,795 | 38,585 | 42,420

**HPMS Sections – AADT 2006**

29,500 | 38,200 | 42,000 (8.38)

**HPMS Sections – AADT 2005**

29,216 | 37,851 | 41,627

**DOD Sections**

5.75 | 6.28 DOD 480 7.00 | 7.24 8.18

**Census Tracts**

**Functional Classification**

Freeway & Expressway (Conn. Link) (12)

**National Highway System (NHS)**

Not on NHS (0)

**Previous Projects: Project No., Date and Limits**

63A-01-89M, (R) 1990

63A-03-76M, (R) 1976 (5.35) | 63A-03-76M (Resurface) 1976 (6.34) | FR-0300(11) (Resurface) 1981 (7.33)

63A-08-76, (R) 1976 (5.21) | 6.32 | 6.35 63A-03-68, 1968 | 7.30 U.S.-3-0630(4), 1955

S-0630-1(3), 1958 (5.35) County Job #26-53

**SCALE: (In Miles) 4" = 1 mile**

5 | 6 | 7 | 8 | 9 | 10

| Date Released |
|---|
| *Feb 2001, D.B.* |

| Revised | |
|---|---|
| *Apr. 04* | *D.B.* |
| *6/06* | *D.B.* |
| *3/07* | *D.B.* |
| *12/07* | *D.B.* |

# ROAD INVENTORY
# OAHU RTE 64
# SAND ISLAND PARKWAY & ACCESS RD.

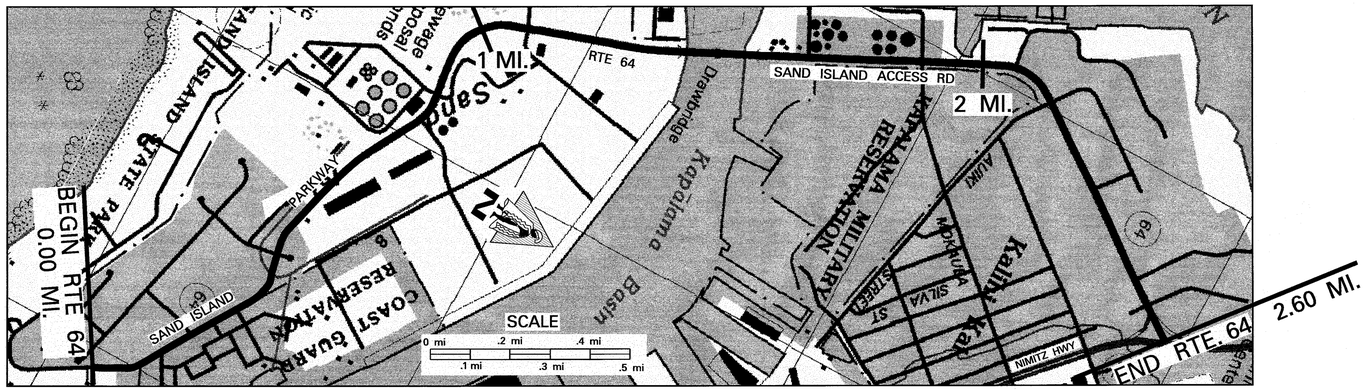
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**Total Route Length:** 2.61 miles
- **a. Survey Length:** 2.61 miles
- **b. Proposed Length:** 0.00 miles
- **c. Other Length: *** 0.00 miles

*




**SCALE: (In Miles) 4" = 1 mile**

0 | 1 | 2 | 3

**Maintenance Control Sections : Length and Description**

64 A (2.60 mi.) — End 64 A on Sand Island Parkway 49' from E.P. of Nimitz Highway 2.60

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

Navigational Control: Vert: 35' Horiz:250' High Water to Soffit=16.6'
Inb.: Steel Girder Deck Truss 692.5', 1962 HS-20
Outb.: Prestressed Conc. Girder (New) 670', 1990, HS 20-44

**Vertical Clearance**

Inb.: 32'
Outb.: 32' + 8' Bikelane

**Horizontal Clearance**

**Structure Over Road**

**Vertical Clearance**

**Horizontal Clearance**

**Right of Way Width (min.–max.) if varies**

1.53 Est. 100' 2.05 2.40 100'–120'

**Available Right of Way Width (Needs Study)**

Industrial Area

**Right of Way Fence: Type – Right and Left** Footage is the Distance of Fence from Pavement.

Hollow Tile 8' | Chain Link 8' | Chain Link 15'–20' | Chain Link 15'–20' | (Chain Link 20')
Chain Link 6' | Chain Link 8' | Chain Link 10' | Chain Link 4' | Chain Link 15'–20' | Chain Link 15'–20'
C.L. 8'

**Control of Access: 1–None, 2–Partial, 3–Full**

None

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

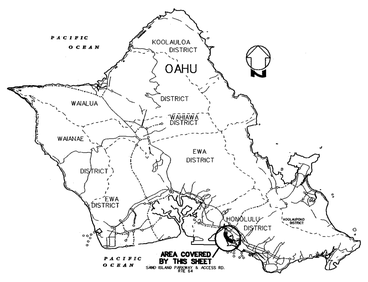
State

**Project No., Type of Construction, and Year Constructed**

STA 66+79.83 STA 52+98
NH-064-1(8), 2005 Bascule Br. Deck Replacement
(HWY-0-05-00 Inter Imps., 2003)
(92A-01-00, Imprv., 2003)

**Project No., Type of Construction, and Year Constructed**

NH–064–1(5) Resurf. 1996 | (BR-F-064-1(2) Widening 1990) | STP–064–1(6) Resurf. 1996




**Road Diagram**

* MP=Milepost Signage

BEGIN RTE 64 ON SAND ISLAND PARKWAY AT THE CENTERLINE MONUMENT AT THE ENTRANCE TO SAND ISLAND PARK. 0.00 mi.

Driveway 0.13 mi. | Ulupono St. 0.20 mi. | Coast Guard Sta. Entrance 0.25 mi. | Makapono St. 0.43 mi. | Driveway (L) Entrance to Matson Piers (R) Begin Divided Hwy 0.64 mi. | Driveway 0.68 mi. | Gate (#1) Piers 51B, 52, 53 0.74 mi. | Sewage Treatment Plant Ent. 0.82 mi. | Road 0.87 mi. | Road "A" (Marine Ed. Cntr Boat launch) (Pier 51A) (L) Road (R) 1.10 mi. | Truck Off-load Area (Gated Rd.) Access to T.W.S. 1.23 mi. | Truck Weighing Station 1.28 mi. | Access from T.W.S. 1.32 mi. | Begin Bascule Bridge Paved Road (R) 1.40 mi. | End Bascule Bridge 1.53 mi. | Keehi Boat Harbor Access Rd. (L) Ent. to "One Sand Island Rd." (UH Marine Ctr.) (R) 1.64 mi. | Road #2 1.86 mi. | End Divided Hwy 1.96 mi. | Begin Divided Hwy & Pavd Road 2.02 mi. | Pohounui Dr. (L) Auiki St. (R) 2.12 mi. | Kaliawa St. 2.24 mi. | Pohounui Dr. 2.31 mi. | Hoonee Pl. 2.49 mi. | Spurs (L)&(R) Alahao Pl. 2.57 mi. 2.55 mi.

Sand Island Parkway | Sand Island Access Rd.

Indicates Grass & / or Physical Barrier on Median.

END RTE 64 ON SAND ISLAND ACCESS RD. AT THE SOUTH EDGE OF PAVEMENT OF NIMITZ HIGHWAY (RTE 92). 2.60 mi.

**SCALE: (In Miles) 4" = 1 mile**

0 | 1 | 2 | 3

**Divided Highway — Undivided**

**Shoulder: Width and Type**

0 (12' AC) | 2' AC | 2' PCC | 2' AC | 0 | 0'–10' AC | 15' Gravel | 15' AC | 2' AC

**Pavement: Width and Type**

24' AC | 26' AC | 28' AC | 26' AC | 26' PCC | 26' AC | 24' AC | 48' AC | 24' AC | 28' AC

**Shoulder: Width and Type**

0 | 0 | 28' Dirt (0'–6' Paint) | 0

**Median: Width and Type**

0'–12' Painted | 0'–22' Raised Grass, Conc. Curb & Gutter (8' Raised w/ Conc Curb; Conc. Barriers; G.R.) | 0'–14' Paint (0'–8' Raised Grass Conc. Curb & Gutter) | 0'–6' Raised Grass with Curb | 6'–12' Raised Grass with Curb

**Shoulder: Width and Type**

0 | 0

**Pavement: Width and Type**

12' AC | 26' AC | 24' AC | 24' PCC | 24' Steel | 24' PCC | 28' PCC | 26' AC | 24' AC | 36' AC | 36' PCC

**Shoulder: Width and Type**

0 | 2' AC | 2' PCC | 2' AC | 2' PCC | 2' Steel | 2' PCC | 2' AC | 0 | 10'–15' Grs. | 15'–20' AC | 6' Bike Lane (AC)

**Number of Traffic Lanes**

2–12' | 1-14', 1-12' | 2-14' | 1-14', 1-12' | 2-12' | 2-11'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

8' Bike Lane | 1-12' | 1-12', 1-14' | 2-12' | 1-12', 1-14' | 2-12' | 3-12' | 5' Bike Lane

**(Right Side)**

8' Bike Lane | (1-11' T.L.) | (1-11' Accel. Lane) | (1-12' T.L.) | (1-12' T.L.) | 5' Bike Route | 6' Bike Lane

**Frontage Road: No. of Lanes, and Width (Right and Left)**

(Truck Pullover Lane) | 1-14'

**Sidewalk: Width and Type (Right and Left)**

6' Conc. | 8' Conc. | 6' Conc. | 6' Conc.

**Curb and/or Gutter: Type (Right and Left)**

2' Conc. Curb & Gutter | 4' AC 10' AC | Conc. Curb | Conc. Curb | Conc. Curb | (Conc. Curb)

**Protective Devices: Type, Location and Number** Note: Metal Rails on Metal Posts Unless Otherwise Noted.

2' Conc. Curb & Gutter | Conc. Curb | Conc. w/ Metal Rail | Conc. Curb

**Illumination: Type, Location and Number**

24 HPS Lamps | 12 HPS Lamps

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

Large Urbanized (4) (Honolulu – 52)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**

Flat

**Speed: 1–Design, 2–Posted**

25 MPH (2) Not Posted | 25 MPH (2) | Not Posted 25 MPH (2)

**Intersection Control Devices: Type, Location and Cycle Timing**

Truck U-Turn Traffic Signal | Drawbridge Signal Lights | 3 Phase | 3 Phase Traffic Light | 3 Phase Traffic Light

**Traffic Stations (Current Year)**

B72 0064 00000 | B72 0064 00025 | B72 0064 00082 | B72 0064 00110 | B72 0064 00137 | B72 0064 00055 | B72 0064 00164 | B72 0064 00213

**HPMS Sections – AADT 2007**

1,010 | 8,485 | 13,235 | 17,275 | 15,760 | 21,515 | 23,435

**HPMS Sections – AADT 2006**

1,000 | 8,400 | 13,100 | 17,100 | 15,600 | 21,300 | 23,200

**HPMS Sections – AADT 2005**

987 | 8,299 | 12,956 | 16,933 | 15,494 | 21,062 | 23,002

**DOD Sections**

DOD 280

**Census Tracts**

CT 57 | CT 57.99 | CT 59.99 | CT 59

**Functional Classification**

Principal Arterial (14)

**National Highway System (NHS)**

Not on NHS (0) | On NHS (1)

**Previous Projects: Project No., Date and Limits**

F-064-1(14) 1991 | BR-064-1(3) 1993 | 64A-01-82M (Resurf) 1982
BR-F-064-1(2) Widening 1990
46-OL-12 (Realign) 1982 | 64A-01-87M (Rehab) 1988) | 640A-01-74 1974
Department of Land and Natural Resources | DAWR 5(1) 1945

**SCALE: (In Miles) 4" = 1 mile**

0 | 1 | 2 | 3

| Date Released |
|---|
| Feb 2004 D.B. |

| Revised | |
|---|---|
| Apr. 04 | D.B. |
| Oct. 04 | D.B. |
| 6/06 | D.B. |

# ROAD INVENTORY

# OAHU RTE 65

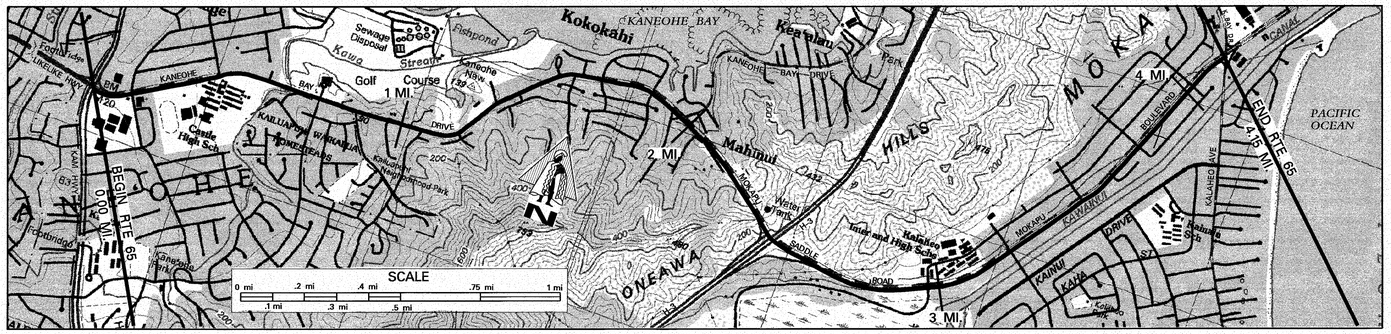
## KANEOHE BAY DR. – MOKAPU SADDLE RD. – MOKAPU BLVD.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**Total Route Length:** 4.15 miles
**a. Survey Length:** 4.15 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles

*




SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

**Maintenance Control Sections : Length and Description**

0.00 Beg. 65A – on Kaneohe Bay Dr. 62' NE of NE Edge of Pavement of Kam. Hwy. — 65A (1.98 mi.) — 1.98 End 65A – Begin 65B on Kaneohe Bay Drive at Nanamoana St. (East Spur). — 65B (2.13 mi.) — 4.12 End 65B Mokapu Blvd. 170' S.W. of S.W. Edge of Kalaheo Avenue.

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**
Slab 1939 – H15 | 23' | 0.85
Slab 1952 Ped. O.P. | 42' | 1.35
CBG 1971 Both InB. & OutB. | 169' | 2.48

**Vertical Clearance**
39'

**Horizontal Clearance**
16'

**Structure Over Road**

**Vertical Clearance**
18' (L) & (R)
53' (L)
52' (R)

**Horizontal Clearance**
34'

**Right of Way Width (min.–max.) if varies**
100' – 155' | 1.79
145' – 420' | 3.15
110'

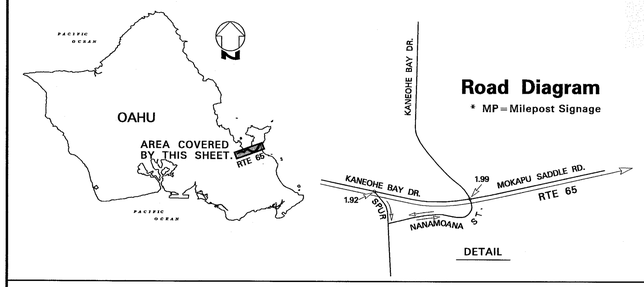
**Available Right of Way Width (Needs Study)**
Residential Area | 0.19 | 0.22 ChainLink 10' from Edge of Pavement
Mountainous | 2.00
Residential Area | 2.88 | 3.16 ChainLink 15'–25' from Edge of Pavement

**Right of Way Fence: Type – Right and Left**

**Control of Access: 1–None, 2–Partial, 3–Full**
Partial

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**
State

**Project No., Type of Construction, and Year Constructed**
STA 20+00 | 0.34 STP-065-1(9) Improve, 2005 | 0.86 STA 35+27.70
(65A-02-90, 1993 Inter. Impr.) (65A-03-90, 1993 Inter. Impr.) | 1.10
65A–01–90M (R) 1991 | 1.28
(65A-01-90M,1991) | 1.50
65A–01–89 1991 | 1.78
65B–01–01M Shldr. 2002 | 1.87
STP-065-1(7) 2000 | 2.15
H3M–01–90M Resurf., 1992 | 2.18 | 2.69
(STP-065-1(4) Traffic Light 1996) | 2.87 | 3.12
65B–01–87M (R) 1987 | 4.12
(630C-01-74, 1974 (R))




**Road Diagram**
* MP = Milepost Signage

Begin Rte 65 on Kaneohe Bay Drive at the Northeasterly Pavement of Kam Hwy (Rte 83). 0.00 mi.

KANEOHE BAY DRIVE
STA 22+77
STA 35+27.70
MOKAPU SADDLE RD.
MOKAPU BLVD.
See Detail
Makalaini St. (L) 0.11 mi.
Aumoku St. (R) 0.34 mi.
Ent.to Castle High School 0.39 mi.
Puohala St. 0.50 mi.
Begin Divided Hwy 0.51 mi.
Puaae Rd. 0.55 mi.
Kawa Bi/End Divided 0.65 mi.
Nohea Pl. & Beg Divided Hwy 0.67 mi.
End Divided Hwy 0.73 mi.
Mokulele Dr. 0.83 mi.
Keana Rd. End Divided Hwy 0.84 mi.
Nohonani Pl. 0.94 mi.
Namoku St. 1.06 mi.
Begin Divided Hwy 1.12 mi.
Moaekaka Pl. Begin Divided Hwy 1.17 mi.
End Divided Hwy 1.28 mi.
Begin Divided Hwy 1.30 mi.
Miha St. 1.40 mi.
Begin Divided Hwy 1.51 mi.
End Divided Hwy 1.57 mi.
Ent. to WBSA 1.60 mi.
Beg Divided Hwy 1.61 mi.
Kakeke Pl. 1.68 mi.
Mikiola Dr. West Inter 1.73 mi.
Mikiola Dr. East Inter. 1.83 mi.
Kanoa Pl. 1.92 mi.
Nanamoana St. Spur 1.99 mi.
Kahekeke Bay Dr. (L) 2.10 mi.
Kahenani Pl. (R) 2.05 mi.
Ramp to H-3 S.B. 2.34 mi.
Ramp to H-3 S.B. 2.43 mi.
H-3 Overpasses Kaneohe Urban Boundry) 2.44 mi.
Ramp to H-3 N.B. 2.45 mi.
Ramp from H-3 N.B. 2.55 mi.
Ramp from H-3 N.B. 2.65 mi.
Kapaa Quarry Rd. (R) 2.96 mi.
Kalaheo High School (L) 2.96 mi.
Iliipilo St. (L) 3.24 mi.
Onaava St. (R) 3.24 mi.
Iilkupono St. 3.52 mi.
Iilkeila Pl. 3.64 mi.
Iilimalia Lp. (R) Iilianl St. (L) 3.76 mi.
Iilimalia Lp. (R) Iilwahi Lp. (L) 4.01 mi.
End Rte 65 on Mokapu Blvd. at the Southwesterly Pavement of Kalaheo Ave (R) and Kaneohe Bay Dr. (L) 4.15 mi.
Indicates Physical Barrier on Median.

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

**Divided Highway**

**Undivided**

**Shoulder: Width and Type**
0' | 0.38 5' Shared Bike Lane | 0.80 6' AC | 2' AC / 2' Grass | 1.22 4'–6' AC | 1.94 10' AC | 2.86 0'

**Pavement: Width and Type**
24' AC | 12' AC | 24' AC | 12' AC | (24' AC) 12' AC | 24' AC | (24' AC) 12' AC | (22' AC) 12' AC | 11' AC | 12' AC | 2.06 24' AC | 3.13 30' AC

**Shoulder: Width and Type**
0' | 5' Shared Bike Lane | 0' | 0.86 (8'–10' AC) | 0' | 4' AC/4' Grass | 0' (4' AC 4' Grs.) | 0' (4' AC 4' Grs.) | 0' | 2'–4' AC | 2.09 0' | 2.20 10' AC | 2' AC

**Median: Width and Type**
18' Grass Raised | 0.34 18" Conc. Raised | (10' Painted AC) | 0.55 | (10' Painted AC) | 10' Painted AC | 0.84 | 11' Painted AC | 1.28 | 11' Painted AC | 1.57 | 10' Painted AC | 1.68 | 24' Raised Grass | (24' Painted AC) | 2.12 (24' AC Raised) | 4' Barrier | 3.17 28' Grass Raised

**Median Barriers:** ⊢ = Guardrail ═ = Conc. Barrier

**Shoulder: Width and Type**
0' | 0.42 | 0' | 0' | 0' | 0' | 2' AC | 2.38 2.42 10' AC | 2' AC

**Pavement: Width and Type**
24' AC | 8'–10' AC | 12' AC | 12' AC | 12' AC | 12' AC | 11' AC | 24' AC | 3.13 30' AC

**Shoulder: Width and Type**
0' | 0.38 | 8'–10' AC | 4' AC/ 4' Grs. | 4' AC/ 4' Grs. | 10' AC | 1.68 | 0' | 1.83 10' AC | 3.17 0'

**Number of Traffic Lanes**
4–12' | (L) 1–12' (R) 2–12' | 2–12' | 2–11' | (L) 1–12' (R) 2–12' | 4–12' | 3.13 (L) 1–13', 1–17' (R) 1–13', 1–17'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**
10' Conc. Lanes | 9' TL's | 11' AC TL's | 8' AC TL's | 10' AC T.L.'s | 12' AC T.L.'s

**(Right Side)**

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**
0.39 10' Conc. SW | 3' AC | 8' Conc. | 8' Conc. SW | 8'–10' Conc. | 2.89 8' Conc. | 3.17

**Curb and/or Gutter: Type (Right and Left)**
8' Conc. Curb | 0.42 6' Conc. SW | 0.49 Curb | 1.79 Curb | Conc. C/G | 1.83 | 2.00 | 2.86 Conc. Curb

**Protective Devices: Type, Location and Number** All Metal Rail on Metal Post unless otherwise noted.

**Illumination: Type, Location and Number**
0.39 17 HPS | Mercury Vapor | 1.52 | 1.57 | 1.92 | 1.98 | 2.05 | 2.10 | 2.80 None | 3.15 Mercury Vapor

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**
Small Urbanized (3)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**
(1) Flat | 0.72 (2) Rolling | 2.00 (3) Mountainous | 2.50 (3) Mountainous (1) Flat | 2.86 (1) Flat

**Speed: 1–Design, 2–Posted**
35 MPH (2) | 30 MPH (2) 35 MPH (2) | 3.17 30 MPH (2)

**Intersection Control Devices: Type, Location and Cycle Timing**
0.00 | 0.11 | 0.36 (B72 0065 00040) 3 Ph. | 0.73 (B72 0065 00073) | (B72 0065 00085) | (B72 0065 00151) | 1.73 (B72 0065 00168) | 3 Ph. | 1.98 | 2.08 (B72 0065 00199) | 3 Ph. | 2.43 | 2.87 | 2.96 3 Ph. (B72 0065 00317) | 3.24 | 4.15

**Traffic Stations (Current Year)**
B72 0065 00000 | 0.25 | 0.44 B72 0065 00048 | 0.62 | 0.79 | B72 0065 00090 | 1.35 | 1.52 | B72 0065 00155 | 1.83 | B72 0065 00173 | 1.88 | B72 0065 00184 | 2.04 | B72 0065 00219 | 2.18 | B72 0065 00221 | B72 0065 00234 | 2.80 | 3.19 | B72 0065 00324 | 3.85

**HPMS Sections – AADT 2007**
28,385 (22,625) | 22,325 | 22,020 | .87 (19,900) | 19,695 (20,100) | 20,000 | 1.75 19,695 | 19,800 | 16,365 | 16,565 | 23,940 (25,355) | 10,205

**HPMS Sections – AADT 2006**
28,100 (22,400) | 22,100 | 21,800 (19,700) | 19,500 (19,900) | 19,800 | 19,500 | 19,600 | 16,200 | 16,400 | 23,700 (25,100) | 10,100 | 4.15

**HPMS Sections – AADT 2005**
27,811 (22,216) | 21,836 | 21,627 (19,516) | 19,268 (19,747) | 19,586 | 19,320 | 19,446 | 16,018 | 16,231 | 23,507 (24,812) | 3.24 9,958

**DOD Sections**
0.40 | 0.48 | 0.65 | 0.73 | 0.85 | 0.90 DOD 510 | 1.61 | 1.65 | 1.88 | 1.94 | 1.99 | 2.05 | 2.11 | 2.19 | 2.34 | 3.17 | 3.24 DOD 515

**Census Tracts**
106.01 | 106.02 | 107.02 | 1.15 | 107.01 | 2.42 | 110 | 3.33 | 109.01

**Functional Classification**
Principal Arterial (14) (Kaneohe/Kailua – 320)

**National Highway System (NHS)**
Not on NHS (0)

**Previous Projects: Project No., Date and Limits**
6300A–01–80M (R) 1981,80 S–230(1) 1950 | 1.71 | 1.73 | 1.78 65A–01–90M 1991 | 2.12 | 2.35 S–0630(11) 1971 | 2.59 | 2.40 | 3.18 | 65B–01–87M (R) 1987 | 4.12
S–0630(10) 1970 | 90+72 (-)14+98.05 | 31+75 S–0630(11) 1968 | 73+04.30 | 51+93.17 S–0630(6) 1958 | (-)0+36

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

| Date Released |
|---|
| Dec. 2003, D.B. |
| **Revised** |
| Aug. 04 D.B. |
| 6/06 D.B. |

# ROAD INVENTORY

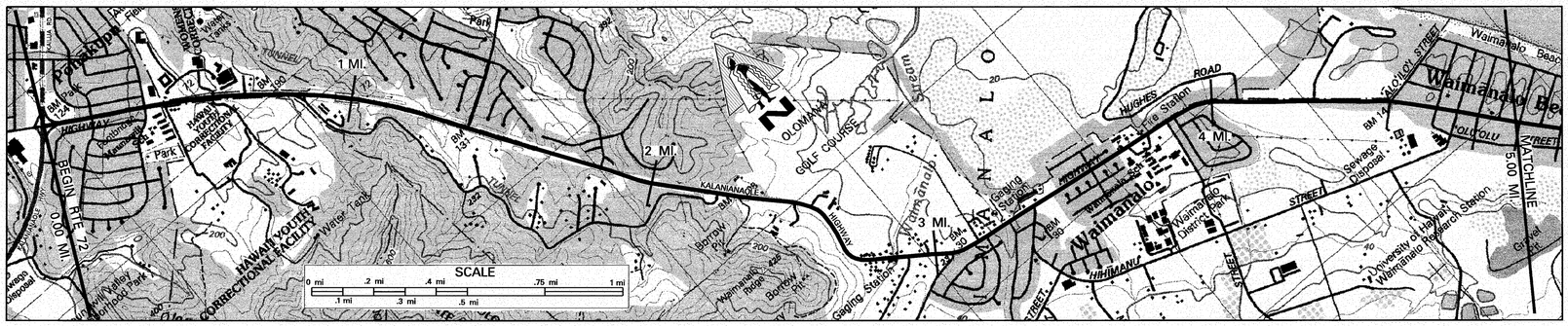
# OAHU RTE 72
# KALANIANAOLE HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**Total Route Length:** 18.44 miles
**a. Survey Length:** 18.44 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles

*




**SCALE: (In Miles) 4" = 1 mile**

0 | 1 | 2 | 3 | 4 | 5

**Maintenance Control Sections : Length and Description**

BEGIN '72 A 32' S.E. OF S.E.E.P. OF KAILUA ROAD | 72 A (5.25 MI.)

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

PED. O.P. P/CB 1967 | TEE BEAM 1924, H-10 | BOX CULVERT 1986, HS-20-44

**Vertical Clearance**

118' | 53' | 33' | 16'

**Horizontal Clearance**

0.30 | 2.85 | 3.23 | 3.89

**Structure Over Road**

**Vertical Clearance**

23' | 23' | 46'

**Horizontal Clearance**

16'-7" | 42'

**Right of Way Width (min.–max.) if varies**

120'–340' | 120'–280' | 50'–170' | 50' | 100'

**Available Right of Way Width (Needs Study)**

RESIDENTIAL | TREES AND BUSHES & CUT SLOPES | TREES BUSHES AND PASTURE

**Right of Way Fence: Type – Right and Left** (CL = CHAINLINK, FP = FROM PAVEMENT)

WOOD ON ROCK WALL 23' F.P. | WIRE ON WOOD 30' F.P. | C.L. | 30' F.P. | TILE WALL | CHAIN LINK | WOOD ON WOOD

**Control of Access: 1–None, 2–Partial, 3–Full**

PARTIAL | NONE

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

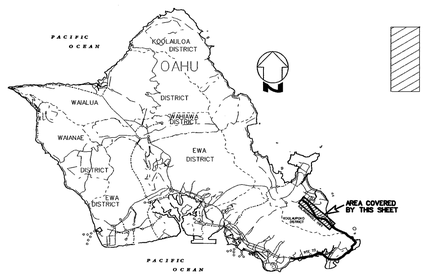
STATE

**Project No., Type of Construction, and Year Constructed**

(72A-01-06, Imprv., 2007) | (72 AB-01-88M RESURFACE 1988)

**Project No., Type of Construction, and Year Constructed**

72A-01-96M (R) 1997




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

BEGIN RTE 72 ON KALANIANAOLE HIGHWAY AT THE SOUTHEAST EDGE OF PAVEMENT OF KAILUA ROAD (RTE 61).

0.00 mi.

SPUR | ULUPUNI ST. | ULUPUNI ST. PEDESTRIAN OVERPASS | FIRE STATION ROAD | ACCESS RDS. TO GIRL'S HOME | ACCESS RD. TO BOY'S HOME | OLD KALANIANAOLE HWY | KEOLU DRIVE | KANAPUU DR. | OLD KALANIANAOLE HWY | OLOMANA GOLF LINKS "NEW TOWN & COUNTRY" STABLES | END DIVIDED HWY | FLAMINGO ST. | WAIMANALO BR. | KUKUHAU ST. | HUMUNKI ST. SADDLE CITY DR. | HUMUNKI ST. BRIDGE | END DIVIDED HWY | POALIMA ST. | MOOLE ST. | WAIKALOA ST. | WAIMANALO PUBLIC SCHOOL | INAOALE ST. | END DIVIDED HWY | BEG. DIVIDED HWY | INAOLE BR. | END DIVIDED HWY | BEG. DIVIDED HWY | WAIMANALO BAY RECREATIONAL AREA | RANCH ROAD | END DIVIDED HWY | ALOILO ST. | EHUKAI ST. | HIHIMANU ST. | HINALEA ST. | KAULU ST. | HILU ST.

KALANIANAOLE HWY

0 MP | 1 MP | 2 MP | 1 MP | 1.17 MI. | MP

ENTRANCE | EXIT | ACCESS RD.

0.00 MI. | 0.06 MI. | 0.03 MI. | 0.00 MI. | 0.15 MI. | 0.32 MI. | 0.30 MI. | 0.42 MI. | 0.39 MI. | 0.54 MI. | 0.65 MI. | 0.84 MI. | 0.96 MI. | 1.38 MI. | 1.82 MI. | 1.97 MI. | 2.21 MI. | 2.45 MI. | 2.51 MI. | 2.58 MI. | 2.85 MI. | 2.91 MI. | 3.05 MI. | 3.13 MI. | 3.16 MI. | 3.23 MI. | 3.26 MI. | 3.30 MI. | 3.35 MI. | 3.40 MI. | 3.56 MI. | 3.66 MI. | 3.70 MI. | 3.77 MI. | 3.85 MI. | 3.88 MI. | 3.92 MI. | 3.99 MI. | 4.01 MI. | 4.08 MI. | 4.13 MI. | 4.25 MI. | 4.29 MI. | 4.34 MI. | 4.39 MI. | 4.58 MI. | 4.72 MI. | 4.79 MI. | 4.86 MI. | 4.93 MI. | 4.99 MI.

CONTINUED ON SHEET #2
5.00 mi.

**SCALE: (In Miles) 4" = 1 mile**

0 | 1 | 2 | 3 | 4 | 5

**Divided Highway**

**Undivided**

**Shoulder: Width and Type**

7'–9' GRAVEL | 8'–10' AC | 4'–6' AC | 8' GRAVEL | 6' GRASS | 12' GRASS

**Pavement: Width and Type**

24' AC | 12' AC | 24' AC | 20' AC | 24' AC | 10' AC | 11' AC | 21' AC | 11' AC | 21' AC | 10.5' AC | 21' AC

**Shoulder: Width and Type**

0 | 8'–10' AC | 0 | 0 | 6' GRAVEL | 14' GRV. | 10' GRS. | 0 | 0 | 5' GRV. | 0 | 5' GRV. | 0

**Median: Width and Type**

24' GRASS | 24' AC | 12' AC | 10' PAINT | (6' AC) | 10' PAINT | 10' PAINT

**Shoulder: Width and Type**

0 | (TAPER 24'–14') | (14' AC) | 0 | 0 | 0

**Pavement: Width and Type**

24' AC | 12' AC | 10' AC | 11' AC | 11' AC | 10.5' AC

**Shoulder: Width and Type**

7' AC | 7'–10' BST | 8'–10' AC | 0 | (5' GRV.) | 5' GRV.

**Number of Traffic Lanes**

2–12' | 1–12' | 1–20' | 1–14' | 2–12' | 2–10' | 2–12' | 2–10.5' | 2–11' | 2–10.5'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

(2–10') | (2–11') | 10' T.L.s

**(Right Side)**

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**

**Curb and/or Gutter: Type (Right and Left)**

METAL ON CONC. | 3' AC | 3' AC | 3' CONC. | 3' AC | 3' AC | AC CURB | CONC. C&G. | AC CURB

**Protective Devices: Type, Location and Number**

**Illumination: Type, Location and Number**

M/M | MERCURY VAPOR

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

SMALL URBANIZED (3) (Kaneohe/Kailua – 320)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**

FLAT | ROLLING | FLAT

**Speed: 1–Design, 2–Posted**

35 MPH (2) | 45 MPH (2) | 35 MPH (2) | 35 MPH (2) | 25 MPH (2) | SCHOOL ZONE 25 MPH (2) | 25 MPH (2) | 35 MPH (2)

**Intersection Control Devices: Type, Location and Cycle Timing**

PEDESTRIAN WALK LIGHT

**Traffic Stations (Current Year)**

B72 0072 00000 | B72 0072 00030 | B72 0072 00084 | B72 0072 00138 | B72 0072 00225 | B72 0072 00258 | B72 0072 00275 | B72 0072 00305 | B72 0072 00408 | B72 0072 00461

**HPMS Sections – AADT 2007**

33,030 | 33,030 | 29,495 | 24,040 | 22,930 | 17,675 | 17,070 | 16,665

**HPMS Sections – AADT 2006**

32,700 | 32,700 | 29,200 | 23,800 | 22,700 | 17,500 | 16,900 | 16,500

**HPMS Sections – AADT 2005**

32,387 | 32,387 | 28,952 | 23,531 | 22,485 | 17,294 | 16,728 | 16,343

**DOD Sections**

DOD 310 | DOD 311

**Census Tracts**

**Functional Classification**

PRINCIPAL ARTERIAL (14) | PRINCIPAL ARTERIAL (CONN. LINK) (14)

**National Highway System (NHS)**

On NHS (1)

**Previous Projects: Project No., Date and Limits**

72A-01-88M (R), 1988 | F-072-1(13) 1963 | 72A-01-79M (R) 1979 | F-072-1(15) 1966 | 72A-01-71, 1976 | F-072-1(28), RESURFACE 1985 | (F-072-1(15), 1976) | F-072-1(15), 1976 | F-072-1(24) 1969 | 72A-01-71, 1976 | WDRC 1(7) 1946 | WDRC 1(7), 1946 | (72AB-01-88M (R), 1988) | COUNTY

**SCALE: (In Miles) 4" = 1 mile**

0 | 1 | 2 | 3 | 4 | 5

| Date Released |
|---|
| JAN 05, D.B. |

| Revised | |
|---|---|
| G.N. | 5/06 |
| D.B. | 12/07 |

# ROAD INVENTORY
# OAHU RTE 72
# KALANIANAOLE HWY

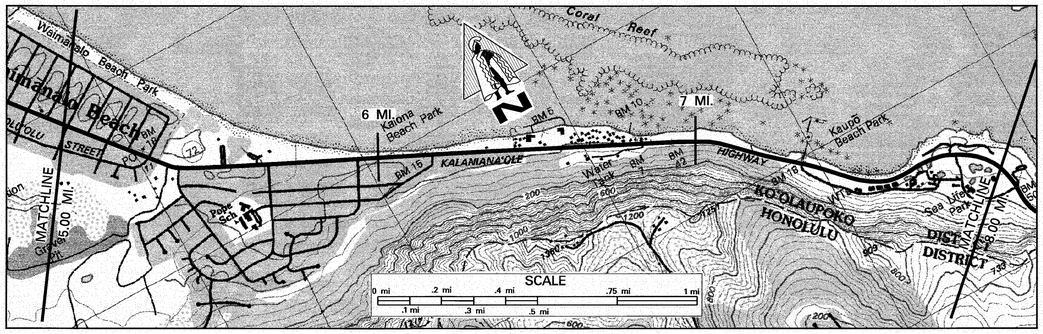
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

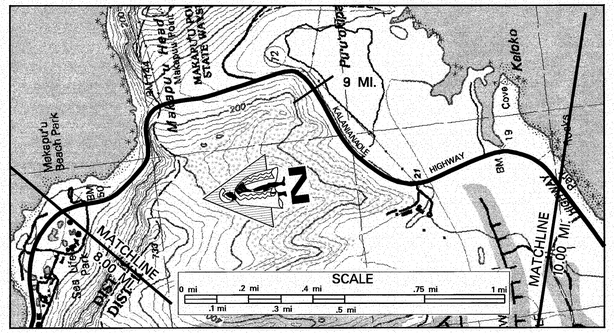
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**Total Route Length:** 18.44 miles
**a. Survey Length:** 18.44 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles

*




**SCALE: (In Miles) 4" = 1 mile**

**Maintenance Control Sections : Length and Description**

5 | 6 | 7 | 8 | 9 | 10

(72 A (5.25 MI.)) | 72 B (8.00 MI.)

5.25: END 72 A – BEGIN 72 B AT CENTERLINE WAILEA ST.

**Structure Carrying Road**
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: PRESTRESSED CONCRETE GIRDER, 1972, HS–20 (9.50) | TEE BEAM, 1947 H–20 (9.75)
- Vertical Clearance: 62' | 70'
- Horizontal Clearance: 48' | 39'

**Structure and Road**
- Vertical Clearance
- Horizontal Clearance

**Right of Way Width (min.–max.) if varies:** 100' (5.59) | 80' (6.42) | 50'–165' (6.95) | 60'–100' (8.92)

**Available Right of Way (Needs Study):** TREES BUSHES & PASTURE | BEACH (L), TREES & BUSHES (R) | RESIDENTIAL

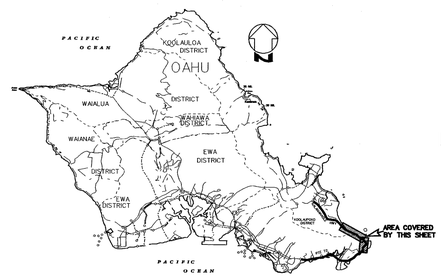
**Right of Way Fence: Type – Right and Left:** (ROCK WALL) 7.23–7.48 | CHAINLINK FENCE 7.51–8.04 | (Boulder Barrier) 8.53–8.54 | CHAINLINK 8.65–9.49 | CHAINLINK 9.69

**Control of Access: 1–None, 2–Partial, 3–Full:** NONE

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C):** STATE (STA 109+40.82 – STA 125+96.72)

**Project No., Type of Construction, and Year Constructed:** 72B-01-99, 2005 Realignment (7.38–7.89) | (72B-02-02, ROCK SCALING & PROTECTION 2003) (8.31–8.44) | STP-072-1(46), Ph 1 Improvements, 2006 (8.46–8.79; 166+00; 183+50)

**Project No., Type of Construction, and Year Constructed:** 72 AB-01-88M, RESURFACE 1988 | STP-072-1(45), SHOULDER IMPROVEMENTS 2000 (8.49)




**Road Diagram**
* MP = Milepost Signage

CONTINUED FROM SHEET #1 (5.00 mi.)

MANANA ST. 5.07 MI. | ALAIHI ST. 5.12 MI. | PUUONE ST. 5.19 MI. | NAKANI ST. 5.26 MI. | BEGIN DIVIDED 5.30 MI. | WAILEA ST. (R) 5.30 MI. | WAILEA ST. (L) 5.35 MI. | ALAKOA ST. 5.43 MI. | ROADS TO WAIANAMALO PARK 5.51 MI. | END DIVIDED HWY 5.61 MI. | HULI ST. 5.64 MI. | CULVERT 5.70 MI. | END DIVIDED HWY 5.74 MI. | NALU ST. 5.92 MI. | BELL ST. 6.16 MI. | KAIONA BEACH PARK 6.38 MI. | CULVERT 6.63 MI. | KALANIANAOLE HIGHWAY | OCEANIC INSTITUTE RD. (R) 7.20 MI. | BEGIN DIVIDED 7.32 MI. | MAKAI RESEARCH PIER (L) 7.32 MI. | END DIVIDED HWY 7.43 MI. | CULVERT 7.72 MI. | MAKAPUU BEACH 7.82 MI. | ENTRANCES TO SEA LIFE PARK 7.84 MI. | END DIVIDED HWY 8.03 MI. | BEGIN DIVIDED 8.04 MI. | RD. TO BEACH (L) 8.10 MI. | CULVERT 8.30 MI. | BEGIN DIVIDED 8.46 MI. | MAKAPUU LOOKOUT & Exit Only 8.47 MI. | MAKAPUU HOUSE ROAD 8.54 MI. | SUBSTATION 8.57 MI. | END DIVIDED 8.65 MI. | 176+15 | 8.73 MI. | WAWAMALU STREAM BRIDGE "HAWAII KAI" GOLF COURSE RD. 9.46 MI. | WAWAMALU CANAL BRIDGE 9.75 MI. | BEGIN DIVIDED SANDY BEACH PARK WAY 9.96 MI. | 9.98 MI.

CONTINUED ON SHEET #3. (10.00 mi.)

**SCALE: (In Miles) 4" = 1 mile**

5 | 6 | 7 | 8 | 9 | 10

**Divided Highway**

| | | |
|---|---|---|
| Undivided | Shoulder: Width and Type | 12' GRASS (5.20) 18' AC (5.38) (0'–1' AC) 2' AC (5.50) | 6' GRASS (6.32) 6' AC (6.40) 6' GRASS (6.89) 6' AC (6.98) | 4' AC (7.38) 2' AC (7.49) 5' AC (7.89) 7'–10' GRAVEL (8.18) 12'–20' AC (8.28) 0 (8.47) 8' AC (8.54) 2' AC (8.65) 6' AC (8.89) 5' AC | (4' AC) |
| | Pavement: Width and Type | 21' AC (5.20) 22' AC (5.38) 12' AC (5.50) | 22' AC (6.89) | 12' AC (7.38) 1'–1' AC (7.49) 22' AC (7.89) 1'–1' AC (8.18) 22' AC (8.47) 8' AC (8.54) 2' AC (8.65) 11' AC (8.89) | (14' AC) |
| | Shoulder: Width and Type | 0 | 8'–16' GRAVEL (6.42) 14'–16' GRASS (6.89) 12' GRASS | 0 (7.38) 2' AC / 10' GRASS (7.89) 1'–1' AC (8.18) 0 (8.31) 2' CONC. GUTTER (8.47) 0 | (0) |
| Divided | Median: Width and Type | 10' PAINT (5.30) | 0 (7.20) | 12' PAINT (7.49) 1'–1' AC (8.02) PAINT (8.14) 4' AC (8.46) PAINT (8.54) 4'–15' PAINT (8.73) | (0'–12' PAINT) |
| | Shoulder: Width and Type | 0 | | 0 | (0) |
| | Pavement: Width and Type | 12' AC | | 12' AC (7.38) 1'–1' AC (7.49) 11' AC (8.89) | (14' AC) |
| | Shoulder: Width and Type | (2–11') 4' AC (5.50) 2' AC (5.70) | | 2' AC/ 12' GRASS 2' AC/10' GRASS (7.89) 1'–1' AC (8.18) 5' AC (8.42) (2–9') 5'–8" AC (8.89) | (4' AC) |

**Number of Traffic Lanes:** 2–10.5' (5.35) | 2–12' (5.70) | 2–11' (7.38) | 2–11' (8.42) | 2–12' (8.89) | 2–14' (9.70)

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side):** 12' T.Ls. (5.35–5.58) | 11' 2-WAY (L) T.Ls. (5.58–5.88) | 10' T.Ls. (7.32–7.78) | 10' T.Ls. (7.84–8.07) | ALL TLS 11' (8.47–8.65) | 10' T.Ls. (9.07–9.70)

**(Right Side)**

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**

**Curb and/or Gutter: Type (Right and Left)**

**Protective Devices: Type, Location and Number** ALL GUARDRAILS METAL ON METAL UNLESS OTHERWISE NOTED: METAL ON CONCRETE (5.72–6.00) | STONE WALL (7.27–9.78)

**Illumination: Type, Location and Number**

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:** SMALL URBANIZED (3) (KANEOHE/KAILUA – 320) (8.55) | LARGE URBANIZED (4) (HONOLULU – 52) (8.92)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous:** FLAT (6.58) | ROLLING (8.00) | MOUNTAINOUS (8.55) | FLAT (9.46) | FLAT

**Speed: 1–Design, 2–Posted:** 35 MPH (2) (6.58–6.71) | 45 MPH (2) (6.71–7.34) | 35 MPH (2) (7.34–7.70) | 45 MPH (2) (7.70–8.00) | 35 MPH (2) (8.00–8.55) | 45 MPH (2) (8.92–9.46)

**Intersection Control Devices: Type, Location and Cycle Timing**

**Traffic Stations (Current Year):** (B72 0072 00481) 5.01 | B72 0072 00481 5.30 | B72 0072 00535 7.42 | B72 0072 00743 | B72 0072 00756 | B72 0072 00771 | B72 0072 00782 8.02 | B72 0072 00804 | B72 0072 00826 | (B72 0072 00848) 8.55 | B72 0072 00855 8.86 | B72 0072 00890 9.72

**HPMS Sections – AADT 2007:** 16,665 | 17,275 | 10,810 | 10,910 | 11,010 | 12,020

**HPMS Sections – AADT 2006:** 16,500 | 17,100 | 10,700 | 10,800 | 10,900 | 11,900

**HPMS Sections – AADT 2005:** 16,343 | 16,883 | 10,548 | 10,673 | 10,766 | 11,759

**DOD Sections:** 5.26–5.35 DOD 311 7.43–8.04 | 8.26–8.48 | 8.55–8.92 DOD 312

**Census Tracts**

**Functional Classification:** PRINCIPAL ARTERIAL (CONN. LINK) (14)

**National Highway System (NHS):** ON NHS (1)

**Previous Projects: Project No., Date and Limits:** (STP-072-1(42), WIDENING 1996) 9.96 | STP-072-1(40), 1993 8.91 | HES-0300(23) 1985, SAFETY IMPROVEMENTS 8.41 | LT-0-01-79M (R), 1979 8.26 | F-6(16), 1950 8.92 | SDR 1(1), 1946 9.67 | 72AB-01-88M, RESURF.,1988 | 72B-01-75M, 1975 COUNTY 5.30

**SCALE: (In Miles) 4" = 1 mile**

| Date Released |
|---|
| JAN 05, D.B. |

| Revised | |
|---|---|
| G.N. | 5/06 |
| D.B. | 3/07 |

# ROAD INVENTORY

# OAHU RTE 72
# KALANIANAOLE HWY

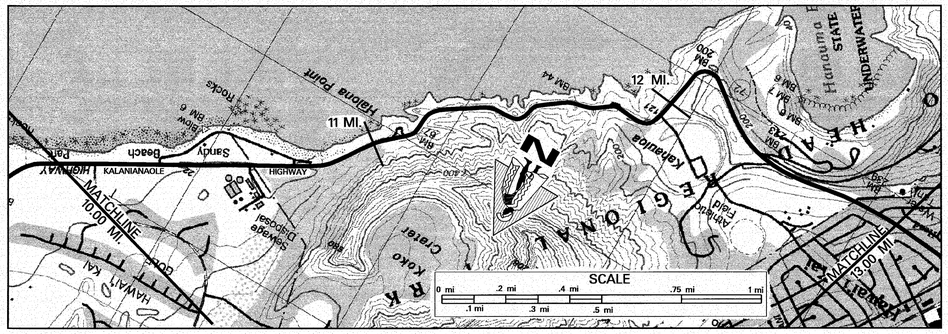
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

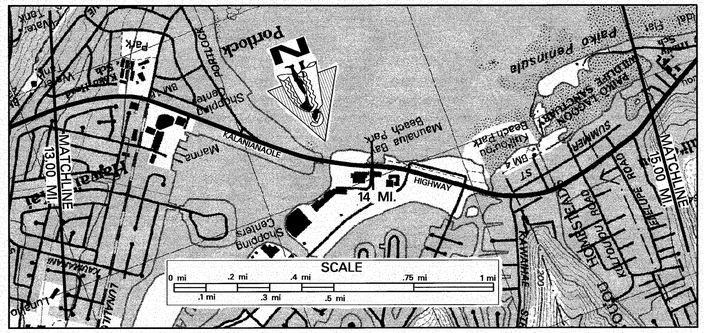
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

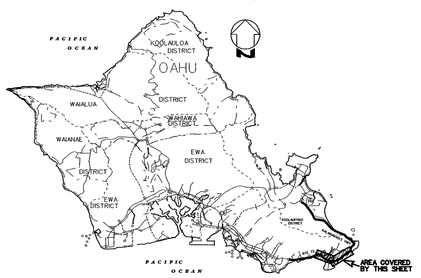
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**Total Route Length:** 18.44 miles
**a. Survey Length:** 18.44 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles

*




**Road Diagram**
* MP = Milepost Signage

SCALE: (In Miles) 4" = 1 mile

| | | |
|---|---|---|
| Maintenance Control Sections : Length and Description | | 72 B (8.00 MI); END 72 B – BEGIN 72 C ON KALANIANAOLE HWY AT THE CENTERLINE INTERSECTION OF LUNALILO HOME ROAD (13.26); 72 C (5.20 MI.) |
| Structure Carrying Road | Bridges (Over 20'): Length, Type, Capacity and Year Constructed | TEE BEAM 1931, H–15 100' (11.48); CONC. MASONRY ARCH 1931, H–20 70' (11.66); PED O.P. 1968 (13.24); SLAB 1969, HS–20 250' (13.82); SLAB, 1971, H–15 109' (14.33); TEE BEAM, 1964 H10 58' (14.58) |
| | Vertical Clearance | |
| | Horizontal Clearance | 27' 25' 44' 64' 60' |
| Structure Over Road | Vertical Clearance | 17' 10" |
| | Horizontal Clearance | 60' |
| Right of Way Width (min.–max.) if varies | | 60'–100' (10.26); 100' (10.97); 60'–100' (14.34); 50'–165' |
| Available Right of Way Width (Needs Study) | | BEACH (L), RESIDENTIAL (R) (10.71); RUGGED COASTLINE (12.49); RESIDENTIAL AREA |
| Right of Way Fence: Type – Right and Left | | |
| Control of Access: 1–None, 2–Partial, 3–Full | | NONE (13.26); PARTIAL |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | | STATE |
| Project No., Type of Construction, and Year Constructed | | (STP–072–1(45) SHLD. IMPRV.2000) (10.08); STP–072–1(41) RD. WAY IMPRV. 2000 (11.08); (12.48); (12.82); 72 BC–01–97M, RESURF 1998 (13.06) |
| Project No., Type of Construction, and Year Constructed | | STP–072–1(42) WIDENING 1996 (10.26); STP–072–1(40), 1993 (R) (11.09); (12.78); 72B–01–88M (R) 1988 (13.06); 7400A–01–81M RESURF, 1981 (13.26); HWY–0–01–83M, 1983 (R) (13.36); NH–STP–072–1(35), WIDENING 1995 |

CONTINUED FROM SHEET #2. 10.00 MI.

KEALAHOU ST. 10.08 MI.; SANDY BEACH END DIVIDED HWY 10.27 MI. 10.26 MI.; RD. TO SEWER PLANT 10.57 MI.; SANDY BEACH ROAD 10.71 MI.; BLOW HOLE LOOKOUT 10.95 MI.; ENTRANCE EXIT 11.07 MI. 11.04 MI.; KAWAIAKEA BR. 11.48 MI.; IHIHILAUKEA BR. 11.68 MI.; LOOKOUT ENTRANCES 11.78 MI. 11.75 MI.; KOKO HEAD RIFLE RANGE 11.95 MI.; RD. TO JOB CORP. HANAUMA BAY SPUR 12.52 MI. 12.49 MI. 12.45 MI.; LOOKOUT ENTRANCES 12.66 MI. 12.64 MI.; NAWILIWILI ST. 12.90 MI.; BEGIN DIV. HWY 13.16 MI. 13.11 MI.; END DIV. HWY & LUNALILO HOME RD. PED O.P. 13.23 MI. 13.24 MI.; ENT. TO KOKO MARINA 13.36 MI.; PORTLOCK RD. 13.56 MI.; HAWAII KAI MARINA BR. 13.83 MI.; BEGIN DIV. HWY 13.98 MI. 13.94 MI. 13.91 MI.; SHOPPING CNTR. BEACH PARK ACC. 14.08 MI.; KEAHOLE ST. 14.27 MI.; HAWAII KAI DR. 14.33 MI.; MAUNALUA BR. 14.44 MI.; KAWAIHAE ST. (R) 14.59 MI. 14.57 MI.; KULIOUOU BAY ST. 14.69 MI.; KULIOUOU RD. 14.77 MI.; PAEOKI DR. 14.86 MI. 14.82 MI.; ELELUPE RD. MOOMUKU PL.

KALANIANAOLE HWY

Indicates Grass & / or Physical Barrier on Median.

CONTINUED ON SHEET #4. 15.00 MI.

SCALE: (In Miles) 4" = 1 mile

| | | |
|---|---|---|
| Divided Highway Undivided | Shoulder: Width and Type | 4' AC; 2'–4' AC; 6' AC; 6' AC; 8' CORAL; 0'; 4' AC; 8' CORAL; 5' AC BIKE ROUTE; 5' PCC BIKEWAY |
| | Pavement: Width and Type | 14' AC; 24' AC; (6' AC); (6' AC); 22' AC; 12' AC; 36' AC; 48' AC; 22' AC; 33' AC |
| | Shoulder: Width and Type | 0'; 2'–4' AC; 6' AC; 0'; 8' AC; 0'; 6'–8' AC BIKE ROUTE; 2' AC |
| | Median: Width and Type | 0'–12' PAINT; (0'); (0'); 0'–12' PAINT; 2'–14' RAISED MEDIAN (GRASS & TREES) |
| | Median Barriers: | = CONC. BARRIER; = M/M GUARDRAILS |
| | Shoulder: Width and Type | 0'; 2' AC |
| | Pavement: Width and Type | 14' AC; 22' AC; 33' AC |
| | Shoulder: Width and Type | 4' AC; 9' AC; (6'–8' AC BIKE ROUTE); 5' PCC BIKEWAY |
| Number of Traffic Lanes | | 2–14'; 2–12'; 2–11'; 2–12'; 1–12'; 2–12'; 4–12'; 2–11'; 3–11'; 6–11' |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | ALL TURN LANES 11'–12' UNLESS OTHERWISE NOTED | 1–14' T.L. |
| (Right Side) | ALL TURN LANES 11'–12' UNLESS OTHERWISE NOTED | 1–10' T.L.; 1–12' ACCEL. LN. |
| Frontage Road: No. of Lanes, and Width (Right and Left) | | |
| Sidewalk: Width and Type (Right and Left) | | 6' CONC. S.W.; 6' CONC. S.W. |
| Curb and/or Gutter: Type (Right and Left) | | CONC. GUTTER; CONC. CURB & GUTTER; CONC. CURB; CONC. CURB |
| Protective Devices: Type, Location and Number | ALL GUARDRAILS METAL ON METAL UNLESS OTHERWISE NOTED | M/C; M/C |
| Illumination: Type, Location and Number | | MERCURY VAPOR; HIGH PRESSURE SODIUM |
| Curves: Degree of Curvature (Right and Left) | | |
| Superelevation (Range) | | |
| Grades: % Grade, Positive or Negative | | |
| Vertical Curve: Crest or Sag, Curve Limits | | |
| Area and Development: | | LARGE URBANIZED (4) (HONOLULU – 52) |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | | FLAT; MOUNTAINOUS; ROLLING; FLAT; FLAT ROLLING |
| Speed: 1–Design, 2–Posted | | 45 MPH (2); 35 MPH (2) |
| Intersection Control Devices: Type, Location and Cycle Timing | | 3 PHASE; 3 PHASE; 3 PHASE; 3 PHASE; 2 PHASE |
| Traffic Stations (Current Year) | | B72 0072 00899; B72 0072 01008; B72 0072 01079; B72 0072 01104; B72 0072 01114; B72 0072 01200; B72 0072 01211; B72 0072 01231; B72 0072 01249; B72 0072 01264; B72 0072 01272; B72 0072 01294; B72 0072 01326; B72 0072 01418; B72 0072 01429; B72 0072 01444 |
| HPMS Sections – AADT 2007 | | 12,020; 8,990; 9,800; 11,110; 33,330; 49,490; 51,210; 67,270; 70,300 |
| HPMS Sections – AADT 2006 | | 11,900; 8,900; 9,700; 11,000; 33,000; 49,000; 50,700; 66,600; 69,600 |
| HPMS Sections – AADT 2005 | | 11,759; 8,799; 9,563; 10,870; 32,711; 48,506; 50,157; 65,951; 68,915 |
| DOD Sections | | |
| Census Tracts | | 1.01; 1.02; 1.03; 2 |
| Functional Classification | | PRINCIPAL ARTERIAL (CONN. LINK) (14); FREEWAY & EXPRESSWAY (12) |
| National Highway System (NHS) | | ON NHS (1) |
| Previous Projects: Project No., Date and Limits | | STP–072–1(40), (R) 1993; 7400A–01–82M, (R) 1982; 72B–01–88M, (R) 1988; (7400A–01–81M, (R) 1981); HWY–0–01–83M (R) 1983; (STP–072–1(42), WIDENING 1996); 7400A–02–82, GUARDRAILS & SHOULDERS; B–72–01–61, 1961; T–9001(19), 1973; LT–0–01–79M, (R) 1979; SDR 1(1) 1946; F–6(16) 1950; FAP 6–D, 1937; 72B–01–75M, 1975; FAP 25B, 1937; 72C–02–68, 1969; (7400A–01–70 (WIDEN) 1971); FAP 26B, 1937; 740–A–01–70, 1970; C–72–01–63, 1963 |

SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| JAN. 05, D.B. | |
| **Revised** | |
| G.N. | 5/06 |

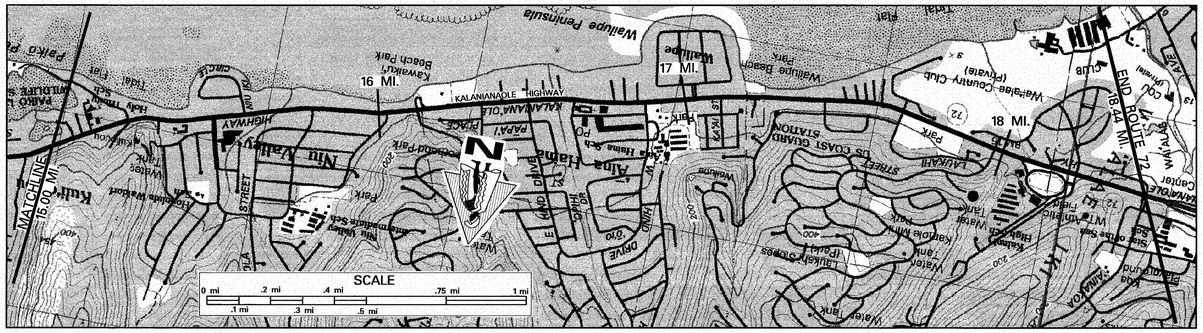
# ROAD INVENTORY

# OAHU RTE 72
# KALANIANAOLE HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**Total Route Length:** 18.44 miles
**a. Survey Length:** 18.44 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles
*




SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

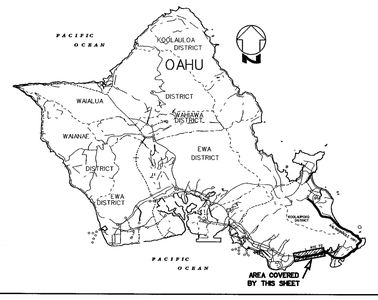
72 C (5.20 MI.)

Structure Carrying Road
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Vertical Clearance
- Horizontal Clearance

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

SLAB, 1993, HS–20–44 | 75' | 97' | 15.66 | 15.83
66' TEE BEAM, 1955, HS–20
60' TEE BEAM, 1930, H–15
28' (OUTBOUND) 36' (INBOUND)

- Right of Way Width (min.–max.) if varies: 50'–165' | 120' | 120'–135'
- Available Right of Way Width (Needs Study): RESIDENTIAL AREA
- Right of Way Fence: Type – Right and Left: (CHAINLINK FENCE) | TILE WALL | CHAINLINK FENCE
- Control of Access: 1–None, 2–Partial, 3–Full: PARTIAL
- Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE
- Project No., Type of Construction, and Year Constructed: NH–072–1(47), RESURF., 2002
- Project No., Type of Construction, and Year Constructed: NH-STP-072-1(35), WIDENING, 1995 | F–072–1(34)B, WIDEN & REALIGN, 1993 | 72C–01–87M, (R), 1987




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**
* MP = Milepost Signage

CONTINUED FROM SHEET #3. 15.00 mi.

PAIKO DRIVE 15.22 MI. | EAST HALEMAUMAU ST. 15.49 MI. | NIU STREAM BRIDGE 15.66 MI. | WEST HALEMAUMAU ST. 15.78 MI. | HAWAII LOA ST. 16.04 MI. | PARK ENTRANCE PUU IKENA DR. 16.11 MI. 16.16 MI. | KIRKWOOD ST. 16.31 MI. | EAST HIND DR. 16.46 MI. | WAILUPE BR. 16.53 MI. | NENUE ST. 16.62 MI. | WAILUPE PUNAHELE PL. 16.79 MI. 16.82 MI. | WEST HIND DR. (R) | WAILUPE CIR. 16.97 MI. | US COAST GUARD RD. 17.08 MI. | WAILUPE BEACH PARK 17.15 MI. 17.17 MI. | KAAH ST. | WAA ST. 17.38 MI. | KAIMOKU PL. (L) 17.62 MI. | ANALII ST. (R) | KALAHI HIGH SCHOOL ENTR. 17.93 MI. | WAIHOLO ST. (L) 18.01 MI. | LAUKAHI ST. (R) | IKI PLACE 18.12 MI. | TELEMETRY COUNTING STA. 043 | WAIELI ST. (L) 18.20 MI. | KALANIKI PL. (R) 18.32 MI.

KALANIANAOLE HIGHWAY

END ROUTE 72 ON KALANIANAOLE HIGHWAY AT THE WEST EDGE OF PAVEMENT OF AINAKOA AVENUE (RTE–H1) 18.44 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided
- Shoulder: Width and Type: 5' PCC BIKEWAY | 5' PCC BIKELANE | 6'–8' BIKEWAY
- Pavement: Width and Type: (6'–23' RAISED SHRUBS) 33' AC
- Shoulder: Width and Type: 2' AC | (6' SHRUBS) (6'–15' SHRUBS) | 0 (1'–12' GRASS) | 6' AC | (0)
- Median: Width and Type: 2'–14' RAISED MEDIAN (GRASS & TREES) | 6'–17' RAISED SHRUBS | 25' GRASS & TREES | 11' GRASS & TREES | (11' RAISED CONC.)
- Median Barriers: —— = CONC. BARRIER; —|— = M/M GUARDRAILS
- Shoulder: Width and Type: 2' AC | (6'–12' RAISED SHRUBS) | 0 | 6' GRAVEL | (0)
- Pavement: Width and Type: 33' AC
- Shoulder: Width and Type: 5' PCC BIKEWAY | 5' PCC BIKELANE | 6' AC BIKELANE | 6' AC | 5' AC BIKELANE

- Number of Traffic Lanes: 6–11'
- Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) / (Right Side)
- Frontage Road: No. of Lanes, and Width (Right and Left)
- Sidewalk: Width and Type (Right and Left): 6' CONC. S.W. | 5' CONC. S.W. | ALL 5' CONC. S.W.
- Curb and/or Gutter: Type (Right and Left): AC CURB | 5' AC | CONC. CURB & AC GUTTER
- Protective Devices: Type, Location and Number: ALL GUARDRAILS METAL ON METAL
- Illumination: Type, Location and Number: HIGH PRESSURE SODIUM | SODIUM VAPOR | MERCURY VAPOR
- Curves: Degree of Curvature (Right and Left)
- Grades: % Grade, Positive or Negative
- HOV Lanes/Contra–Flow Lanes: CONTRA–FLOW HOV, MORNING 5:00–8:30 AM
- Vertical Curve: Crest or Sag, Curve Limits
- Area and Development: LARGE URBANIZED (4) (HONOLULU – 52)
- Terrain: 1–Flat, 2–Rolling, 3–Mountainous: FLAT / ROLLING
- Speed: 1–Design, 2–Posted: 35 MPH (2)
- Intersection Control Devices: Type, Location and Cycle Timing: 3 PHASE
- Traffic Stations – (Current Year): B72 0072 01444 | B72 0072 01549 | B72 0072 01682
- HPMS Sections – ADDT 2007: 70,300 | 65,350 | 78,480
- HPMS Sections – ADDT 2006: 69,600 | 64,700 | 77,700
- HPMS Sections – ADDT 2005: 68,915 | 64,056 | 76,957
- DOD Sections: 2 | 3 | 5
- Census Tracts: 4.01 | 4.02
- Functional Classification: FREEWAY & EXPRESSWAY (12)
- National Highway System (NHS): ON NHS (1)
- Previous Projects: Project No., Date and Limits:
  - HWY–0–01–83M (R) 1983
  - (72C–01–75M, (R), 1975)
  - C–72–01–63, 1963
  - WDRC 4 (1), 1946
  - T–9001–(18), 1973
  - F6 (18), 1956
  - 72C–01–79M, RESURFACE, 1980
  - 72C–01–87M, (R), 1987
  - 72 B–03–68 UNIT 2, 1970, (WIDENING)
  - 72B–03–68 UNIT 1, 1969
  - F 6 (17), 1954

| Date Released |
|---|
| JAN. 05, D.B. |

| Revised | |
|---|---|
| G.N. | 5/06 |

# ROAD INVENTORY

# OAHU RTE 76

# FORT WEAVER ROAD – KUNIA ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

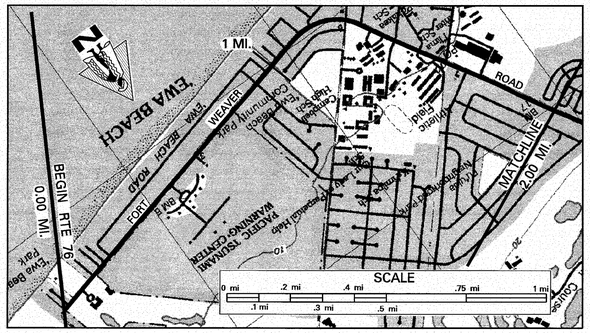
**Total Route Length:** 6.64 miles

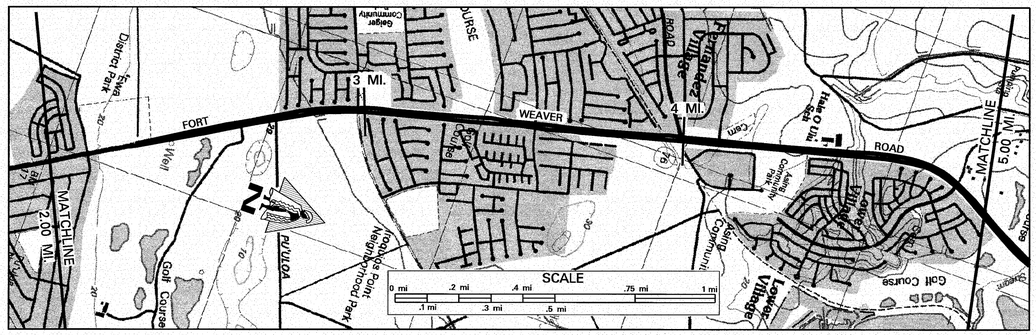
**a. Survey Length:** 6.64 miles

**b. Proposed Length:** 0.00 miles

**c. Other Length:** * 0.00 miles

*




SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

**Maintenance Control Sections : Length and Description**

SAME AS BEGIN ROUTE | 76 A (3.99 MI.) | END 76A – BEGIN 76B ON FORT WEAVER ROAD AT THE CENTERLINE INTERSECTION WITH RENTON RD. (3.99) | 76 B (2.65 MI.)

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

BOX CULVERT (CNL) 0.98 | CULVERT (STR) 1936 E9-H-15 1.94 | PRESTRESSED CONCRETE HS 20-44 4.98

**Vertical Clearance**

24' | 102'

**Horizontal Clearance**

30' | 42' INBOUND 42' OUTBOUND

**Structure over Road**

**Vertical Clearance**

**Horizontal Clearance**

**Right of Way Width (min.–max.) if varies**

50' – 60' 1.45 | 60' 1.83 | 160' 3.82 | 170'

**Available Right of Way (Needs Study)**

RESIDENTIAL 0.89 | RES (R), SUGAR (L) 2.18 | CLEAR 1000' SUGAR CANE 40' FP

**Right of Way Fence: Type – Right and Left** CL = CHAIN LINK FP = FROM PAVEMENT

0.80 [CL 15' FP] 0.89 | 1.25 CL 18'-20' FP 2.15

**Control of Access: 1–None, 2–Partial, 3–Full**

PARTIAL

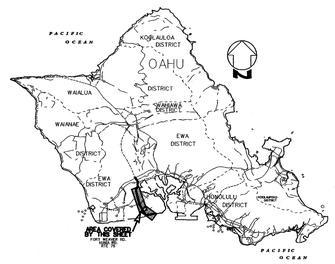
**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

STATE

**Project No., Type of Construction, and Year Constructed**

76A-01-91, IMPRV., 1991 | 0.89 F-076-1(2), WIDEN & REALIGN., 1992 2.18 | STP-076-1(5), RESURF., 2000

**Project No., Type of Construction, and Year Constructed**




**Road Diagram**

* MP = Milepost Signage

BEGIN RTE 76 ON FORT WEAVER ROAD AT FORT WEAVER GATE. 0.00 mi.

FORT WEAVER ROAD

EWA BEACH RD. 0.01 MI. | NEW EWA BEACH GOLF CLUB | NATIONAL OCEANOGRAPHIC ATMOSPHERIC ADMIN. | BEGIN DIV. | EWA BEACH RD. (L) | HAPALUA ST. | KILIANA ST. (R) | PARISH DR. | POHAKUPUNA (L) | KIMOPELEKANE (L) | MOMENA PL. | NORTH RD. (R) | AIKANAKA RD. | EXIT FROM SCHOOL | PAPIPI RD. | DRIVEWAY TO MAIL | KUHINA ST. | KAIMALIE ST. | BRIDGE #101 | 2 MP | KE ONE'ULA BLVD. (L) | HAMAKAHI ST. (R) | ECB | HAWAII PRINCE GOLF CLUB | IROQUOIS RD. (R) (RTE 7141) GEIGER RD. (L) | KOLOWAKA DR. | ARIZONA RD. (R) RENTON RD. (L) | RAILROAD TRACKS | KARAYAN ST. | EWA FAMILY CNTR. | EWA CANE HAUL RD. UNDERPASS | A'AWA DR. (R) OLD FORT WEAVER RD. (L)

Indicates Grass & / or Physical Barrier on Median.

0.21 MI. 0.19 MI. 0.13 MI. 0.13 MI. 0.07 MI. 0.07 MI. 0.04 MI. | 0.50 MI. | 0.75 MI. | 0.98 MI. 0.98 MI. 0.92 MI. | 1.06 MI. 1.12 MI. 1.16 MI. 1.28 MI. | 1.34 MI. 1.45 MI. 1.52 MI. 1.57 MI. 1.63 MI. 1.70 MI. 1.76 MI. 1.88 MI. | 2.00 MI. 1.98 MI. 1.94 MI. | 2.11 MI. 2.19 MI. | 2.58 MI. 2.66 MI. | 2.97 MI. | 3.34 MI. 3.53 MI. | 3.94 MI. 3.99 MI. | 4.10 MI. | 4.30 MI. 4.38 MI. | 4.45 MI. | 4.87 MI. 4.95 MI.

CONTINUED ON SHEET #2 5.00 mi.

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

**Divided Highway – Undivided**

**Shoulder: Width and Type**

10' CORAL & GRASS 4' AC BIKE ROUTE | 10' AC 0.22 | 8' AC 6' AC BIKE ROUTE | 10' AC

**Pavement: Width and Type**

(22' AC) 11' AC | 22' AC 0.69 | TAPER 11'-22' | 22' AC | 24' AC

**Shoulder: Width and Type**

(4' AC BIKE ROUTE) 0 | 4' AC BIKE ROUTE 10' CORAL & GRASS (10' CORAL & GRASS) | 10' AC | 0 | 4' AC

**Median: Width and Type**

11' PAINT | 11' PAINT (FLUSH) | 28' TREES AND SHRUBS

**Median Barriers:**

0.19 | 0.75 | 2.15

**Shoulder: Width and Type**

0 | 0 | 4' AC

**Pavement: Width and Type**

11' AC | TAPER 11'-22' 0.92 | 22' AC | 24' AC

**Shoulder: Width and Type**

(4' AC BIKE ROUTE) (10' CORAL & GRASS) | 10' AC 0.97 | 6' AC BIKE ROUTE 8' AC | 10' AC

**Number of Traffic Lanes**

0.08 2–11' | 0.92 4–11' 2.25 | 2.26 4–12' 3.87

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)** ALL AUX. LANES ARE 12' UNLESS OTHERWISE INDICATED

**(Right Side)**

2.77 3.12 | 3.40 3.53 | 3.67 3.99 | 4.04 4.17 | 4.38 4.45 | 4.63 4.87 | 4.89

**Frontage Road: No. of Lanes, and Width (Right and Left)**

2.62 3.18 | 3.43 3.65 | 3.67 10' AC 3.99 | 4.41 4.91

**Sidewalk: Width and Type (Right and Left)**

2.14 8' AC BIKEWAY (R)

**Curb and/or Gutter: Type (Right and Left)**

1.30 4' RAISED AC 1.89 | 4.36 4.39

3.82 4' CONC. GUTTER 8' CONC. GUTTER M/M | 4' CONC. GUTTER 8' CONC. GUTTER M/M

**Protective Devices: Type, Location and Number**

**Illumination: Type, Location and Number**

INCANDESCENT LIGHTS 2.06 | 50 H.P. SODIUM LAMPS 3.82 | HIGH PRESSURE SODIUM LAMPS

**Curves: Degree of Curvature (Right and Left)**

**Grades: % Grade, Positive or Negative**

**HOV Lanes/Contra-Flow Lanes**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

LARGE URBANIZED (4) (HONOLULU – 52)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**

2.29 (1) FLAT

**Speed: 1–Design, 2–Posted**

35 MPH (2) 1.07 1.08 | 25 MPH (2) | 35 MPH (2) 45 MPH (2) 2.44 | 45 MPH (2)

**Intersection Control Devices: Type, Location and Cycle Timing**

TRAFFIC LIGHT 1.26 | TRAFFIC LIGHT 1.45 | TRAFFIC LIGHT 1.63 1.70 | TRAFFIC LIGHT 2.11 | (B72 0076 00211) 2.27 | TRAFFIC LIGHT 2.97 | TRAFFIC LIGHT 3 PHASE 3.63 | TRAFFIC LIGHT 3 PHASE 3.99

**Traffic Stations (Current Year)**

B72 0076 00000 0.49 | B72 0076 00082 1.02 | B72 0076 00128 1.96 | 2.17 | B72 0076 00219 2.66 | B72 0076 00297 3.34 | B72 0076 00263 3.63 3.77 | B72 0076 00363 | B72 0076 00399 | B72 0076 00410 4.30 | B72 0076 00431 4.39 | B72 0076 00439 | B72 0076 00475 5.00

**HPMS Sections – AADT 2007**

2,525 | 6,670 | 25,150 | 39,090 | 39,090 | 43,735 | 61,715 | 65,855 | 56,360

**HPMS Sections – AADT 2006**

2,500 | 6,600 | 24,900 | 38,700 | 38,700 | 43,300 | 61,100 | 65,200 | 55,800

**HPMS Sections – AADT 2005**

2,514 | 6,515 | 24,615 | 38,353 | 38,353 | 42,827 | 60,490 | 64,581 | 55,226

**DOD Sections**

0.82 1.28 DOD 395 2.11 2.19 | 2.97 3.53 DOD 400 3.99 4.10 4.31 4.39 4.75

**Census Tracts**

83 1.63 | 84 3.94 | 86.02

**Functional Classification**

MINOR ARTERIAL (16) 2.11 | PRINCIPLE ARTERIAL (14) 3.99 | FREEWAY & EXPRESSWAY (12)

**National Highway System (NHS)**

NOT ON NHS (0)

**Previous Projects: Project No., Date and Limits**

1.26 7600A-01-83M, (R), 1983 | 2.16 F-076-1(1), WIDEN & REALIGNMENT, 1987 2.78 | 760AB-02-72, 1972 3.17 | 3.81 7600B-01-82, 1983, (CONST.) 4.61 | 3.82 760-AB-01-72 4.07 | 760B-02-71, 1971 4.61 | M-7600(2), 1982, (CONST.)

760B-02-71 1971

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

| Date Released |
|---|
| Feb 05, DB |
| **Revised** |
| G.N. 5/06 |

# ROAD INVENTORY

# OAHU RTE 76

# FORT WEAVER ROAD, KUNIA ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

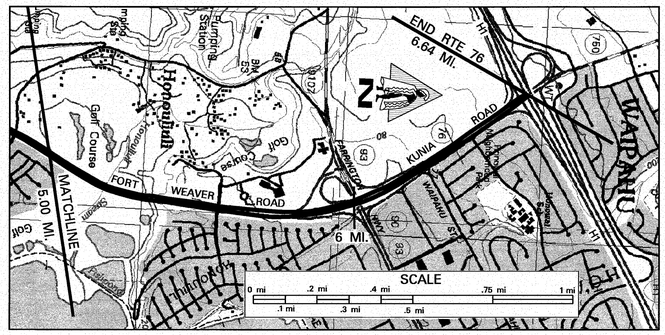
**Total Route Length:** 6.64 miles

**a. Survey Length:** 6.64 miles

**b. Proposed Length:** 0.00 miles

**c. Other Length: *** 0.00 miles

*




SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

**Maintenance Control Sections : Length and Description**

76 B (2.65 MI.) | END 76 B SAME AS END ROUTE

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

PRESTRESSED CONC. HS 20–44 | 257' | 42' INBOUND | 42' OUTBOUND

PRESTRESSED CONC. HS 20–44 | 270' | 42' INBOUND | 54' OUTBOUND

**Vertical Clearance**

**Horizontal Clearance**

**Structure Over Road**

**Vertical Clearance**

**Horizontal Clearance**

**Right of Way Width (min.–max.) if varies**

(170') | 170'–340' | 200'–1000' | 170'–1500' | 170'

**Available Right of Way Width (Needs Study)**

CLEAR 1000' SUGAR CANE 40' FROM PAVEMENT | RES. (R), SUGAR (L)

**Right of Way Fence: Type – Right and Left**

**Control of Access: 1–None, 2–Partial, 3–Full**

PARTIAL

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

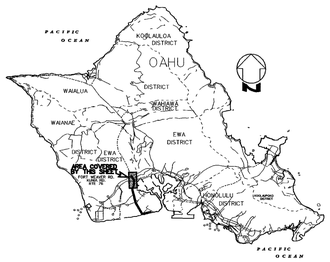
STATE

**Project No., Type of Construction, and Year Constructed**

STA 123+95 | CMAQ-076-1(8) Widening, 2005 | STA 94+45 | STA 76+50 | HWY-0-01-04 Improv 2005

**Project No., Type of Construction, and Year Constructed**

STP-076-1(5), (RESURF.), 2000 | STP-076-1(13), (RESURF.), 2000 | IM-H1-1(219), (IMPRV.) SEE ALSO H-1 & RTE 750, 2000




**Road Diagram**

* MP = Milepost Signage

5.00 MI. CONTINUED FROM SHEET #1

HONOLULUI STREAM BR. | LAULAUNUI ST. | RAMP A TO WAIPAHU RAMP C | ECB | RAMP B FORT WEAVER RD. SEPERATION | FARRINGTON HWY (ROUTE 7101) | LEOLUA ST. | RAMP E WAIPAHU RAMP D (L) | ST. (R) | HONOWAI ST. | RAMP KE-1 RAMP KA-1 RAMP KA RAMP KE

STA 94+45 | 6 MP | STA 67+50

FORT WEAVER ROAD — KUNIA ROAD

5.18 Mi. | 5.56 Mi. | 5.72 Mi. | 5.78 Mi. | 5.84 Mi. | 5.98 Mi. | 6.01 Mi. | 6.13 Mi. | 6.23 Mi. | 6.24 Mi. | 6.30 Mi. | 6.42 Mi. | 6.54 Mi. | 6.60 Mi. | 6.61 Mi.

END RTE 76 ON KUNIA ROAD AT THE CENTERLINE OF H-1 FREEWAY O.P. (SAME AS BEGIN RTE 750) 6.64 Mi.

Indicates Grass & / or Physical Barrier on Median.

**Divided Highway – Undivided**

**Shoulder: Width and Type**

10' AC | 12' CONC. 10' AC

**Pavement: Width and Type**

24' AC | 36' AC | 24' AC | 24' CONC. 24' AC | 36' AC

**Shoulder: Width and Type**

4' AC | 6' CONC. 12' AC | 6' AC

**Divided Highway – Divided**

**Median: Width and Type**

28' TREES & SHRUBS (2' CONC. BARRIER) | CONC. BARRIER

**Median Barriers:**

**Shoulder: Width and Type**

4' AC | 6' CONC. 10' AC

**Pavement: Width and Type**

24' AC | 36' AC | 24' AC | 24' CONC. 24' AC | 36' AC | 24' AC

**Shoulder: Width and Type**

10' AC | 12' CONC. 10' AC | 20' AC

**Number of Traffic Lanes**

4–12' | 3 – 12' | 2 – 12' | 2 TL's | 1–12' TL

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

ALL AUX. LANES ARE 12' UNLESS OTHERWISE INDICATED
A = ACCEL.
D = DECEL.

**(Right Side)**

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**

8' AC BIKEWAY (R) | 5' BIKE LANE | 5' BIKE LANE | 8' AC BIKEWAY (R) | 10' CONC.SW

**Curb and/or Gutter: Type (Right and Left)**

(4' CONC. GUTTER) | 4' CONC. GUTTER | 4' CONC. GUTTER
(8' CONC. GUTTER) | 8' CONC. GUTTER | 8' CONC. GUTTER

M/M | M/M

**Protective Devices: Type, Location and Number**

**Illumination: Type, Location and Number**

HIGH PRESSURE SODIUM LAMPS

**Curves: Degree of Curvature (Right and Left)**

**Grades: % Grade, Positive or Negative**

**HOV Lanes/Contra–Flow Lanes**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

LARGE URBANIZED (4) (HONOLULU – 52)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**

(1) FLAT

**Speed: 1–Design, 2–Posted**

45 MPH (2)

**Intersection Control Devices: Type, Location and Cycle Timing**

(B72 0076 00512) | 5 TRAFFIC LIGHTS | 3 PHASE | 2 PHASE

**Traffic Stations (Current Year)**

B72 0076 00509 | B72 0076 00524 | B72 0076 00592 | B72 0076 00601 | B72 0076 00627 | (B72 0076 00634)

**HPMS Sections – AADT 2007**

56,360 | 62,015 | 51,005 | 81,510 (34,545)

**HPMS Sections – AADT 2006**

55,800 | 61,400 | 50,500 | 80,700 (34,200)

**HPMS Sections – AADT 2005**

55,226 | 60,756 | 49,967 | 79,875 (33,854)

**DOD Sections**

DOD 400 | DOD 180

**Census Tracts**

86.02

**Functional Classification**

FREEWAY & EXPRESSWAY (12)

**National Highway System (NHS)**

NOT ON NHS (0)

**Previous Projects: Project No., Date and Limits**

STP-076-1(3), (RESURF), 1994 | M-7600(2), (CONST.), 1982 | M-7600(1), (CONST.), 1982

| Date Released | |
|---|---|
| FEB 05, DB | |
| **Revised** | |
| G.N. | 5/06 |
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SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

# ROAD INVENTORY
# OAHU RTE 78
# MOANALUA FREEWAY

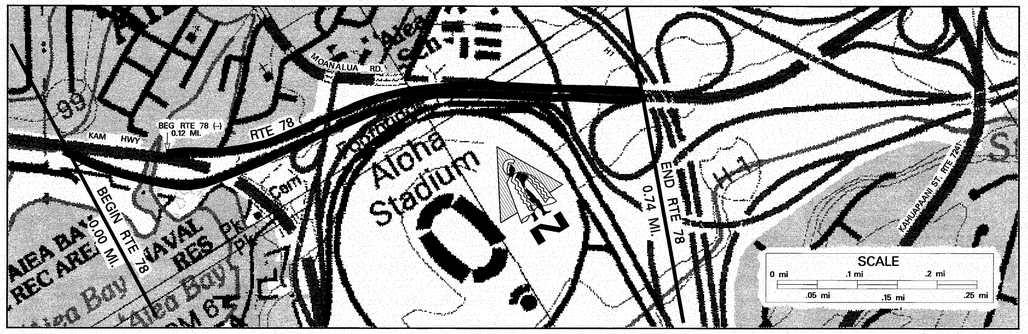
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**Total Route Length:** 0.74 miles
**a. Survey Length:** 0.74 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles

*




SCALE: (In Miles) 20" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

**Maintenance Control Sections : Length and Description**

BEGIN 72 A SAME AS BEGIN ROUTE 78 — 78 A (4.75 MI.) — 78 A CONTINUES ON ROUTE H-201

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

STEEL GIRDER & FLOORBEAM, 1966 HS 20', 1035' (0.02) | PRESTRESSED BEAM, 1965 HS 20', 194' (0.34) | PEDESTRIAN, 1966, 148' (0.49) | P/S GDR, 1974, HS 20, 1852' (0.65)

**Vertical Clearance**

44'

**Horizontal Clearance**

16' 08" (0.34) | 16' 03" (0.49) | 16' 05" (0.65)

**Structure Over Road**

**Vertical Clearance**

**Horizontal Clearance**

50' (0.34) | 54' (0.49) | 78' (0.65)

**Right of Way Width (min.–max.) if varies**

ESTIMATED 200'

**Available Right of Way Width (Needs Study)**

**Right of Way Fence: Type – Right and Left**

0.19 CHAINLINK 30' FROM PAVEMENT 0.38 | 0.45 CHAINLINK 20' FROM PAVEMENT 0.65

**Control of Access: 1–None, 2–Partial, 3–Full**

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

STATE

**Project No., Type of Construction, and Year Constructed**

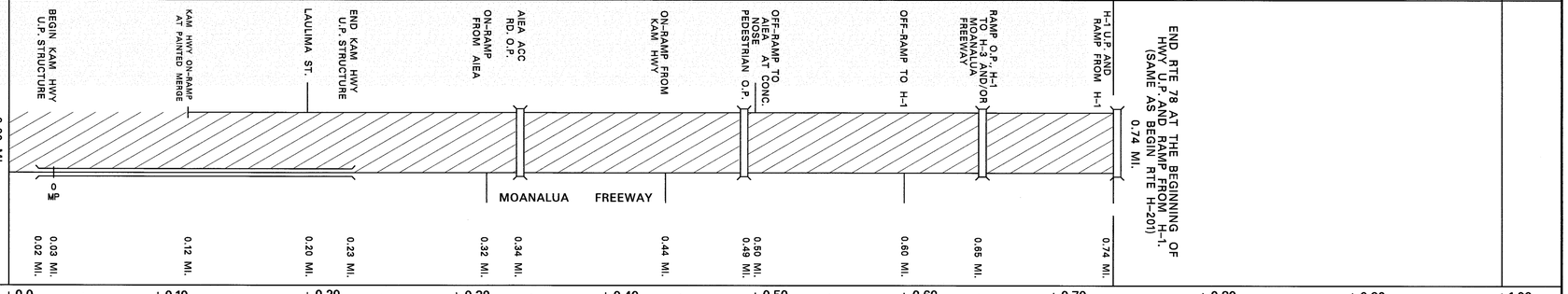
HWY-0-01-88M (INB. LN's), 1988, (R) 0.12 — 78A-01-91M (OUTBOUND LANES) 1993 (RESURFACE)

**Project No., Type of Construction, and Year Constructed**

Indicates Grass & / or Physical Barrier on Median.

## Road Diagram

* MP = Milepost Signage




SCALE: (In Miles) 20" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

**Divided Highway — Undivided**

**Shoulder: Width and Type**

NONE (0.58) | 10' AC

**Pavement: Width and Type**

24' AC (0.58) | 36' AC

**Shoulder: Width and Type**

NONE (2' CONC. GUTTER) | 8' AC

**Divided Highway**

**Median: Width and Type**

INTERCHANGE | 10' GRAVEL (0.23) | 20' GRAVEL, GRASS, HEDGE (0.61) | 8' TWIN CONC. BARRIER WITH DIRT FILL

**Median Barriers:**

**Shoulder: Width and Type**

NONE | 2' CONC. GUTTER | 8' AC

**Pavement: Width and Type**

24' AC | 36' AC (0.32) | 24' AC

**Shoulder: Width and Type**

NONE | 2' CONC. GUTTER | 7' AC

**Number of Traffic Lanes**

2-12' | 3-12' (0.32) | 2-12' (0.58) | 3-12' (0.61) | 2-12'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

**(Right Side)**

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**

0.01 5' CONC. 0.11 | 0.23 5' AC 0.38 | 0.31 0.38

**Curb and/or Gutter: Type (Right and Left)**

**Protective Devices: Type, Location and Number**

**Illumination: Type, Location and Number**

43 HPS (LAMPS)

**Curves: Degree of Curvature (Right and Left)**

**Grades: % Grade, Positive or Negative**

**HOV Lanes/Contra-Flow Lanes**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

LARGE URBANIZED (4) (HONOLULU – 52)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**

(2) ROLLING

**Speed: 1–Design, 2–Posted**

35 MPH (2) (0.65) 50 MPH (2)

**Intersection Control Devices: Type, Location and Cycle Timing**

**Traffic Stations (Current Year)**

B72 0078 00000 | 0.27 B72 0078 00032 | 0.48 0.65 B72 0078 00061

**HPMS Sections – AADT 2007**

37,575 | 52,725 | 37,170

**HPMS Sections – AADT 2006**

37,200 | 52,200 | 36,800 (0.74)

**HPMS Sections – AADT 2005**

36,811 | 51,694 | (0.61) 36,462

**DOD Sections**

DOD 220 (0.32) | (0.60) DOD 225

**Census Tracts**

77.01 | (0.34) 76

**Functional Classification**

FREEWAY & EXPRESSWAY (12)

**National Highway System (NHS)**

NOT ON NHS (0)

**Previous Projects: Project No., Date and Limits**

0.01 HWY-0-01-88M, (R), INBOUND LANES, 1988 | 0.21 78A-01-90M, (R), 1988
0.10 SU-072(6), 1964, (OUTBOUND) | 0.57 F-FR-078-1(25), 1985, (R)
FR-078-1(123), 1981, (R)
F-090-1(10), 1964 (INB) | 0.21 SU-072(6), 1964, (INBOUND) | 0.56 (I-H1-1(88):13, 1971) 0.59
109 + 09.58 | 121 + 00 | 140 + 91.42

SCALE: (In Miles) 20" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

| Date Released |
|---|
| MAR. 05, D.B. |

| Revised | |
|---|---|
| G.N. | 5/06 |

# ROAD INVENTORY

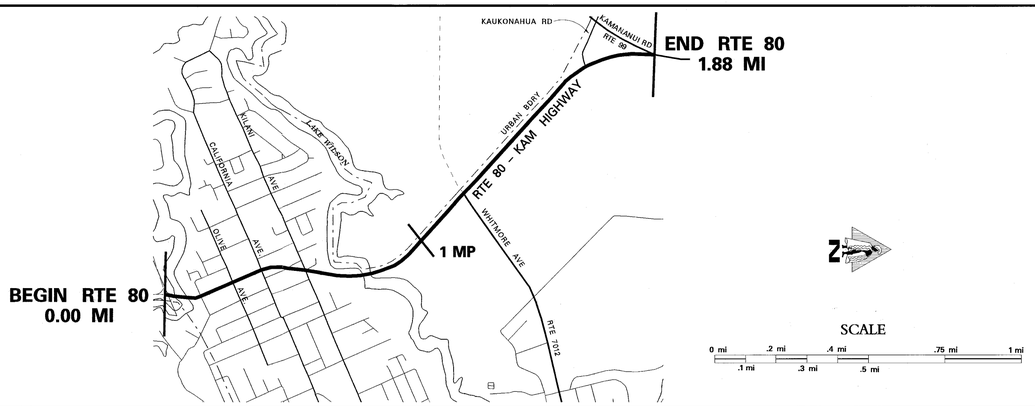
# OAHU ROUTE 80
# KAMEHAMEHA HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 1.88 | MILES (a+b) |
| a. Existing Length: | 1.88 | MILES |
| b. Proposed Length: | NONE | MILES |
| Total Travel Way Length: | 1.88 | MILES (a+b, less c) |
| a. Existing Length: | 1.88 | MILES |
| b. Temporary Length: | NONE | MILES |
| c. Length used as T.W. for another Route: | NONE | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 10" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00

**Maintenance Control Sections : Length and Description**

BEG 80A same as BEG Route | 80A (1.88 mi.) | 1.88 END 80A SAME AS END ROUTE

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

PRESTRESSED GIRDERS & TEES | HS-20- 44 1982 375' | STT H20 1932 214'

**Vertical Clearance**

14'11"

**Horizontal Clearance**

102' | 24'

**Structure Over Road**

**Vertical Clearance**

0.01

**Horizontal Clearance**

**Right of Way Width (min.–max.) if varies**

120' | 0.22 80' | 0.57 50' – 80' | 0.96 50' – 90' | 1.96 65' – 70' | 1.77 60'

**Available Right of Way Width (Needs Study)**

RESIDENTIAL/COMM. | 0.55 TREES | 0.88 1000' CLEAR PINEAPPLE FIELD 10' FROM EDGE OF PAVEMENT

**Right of Way Fence: Type – Right and Left**

NONE

**Control of Access: 1–None, 2–Partial, 3–Full**

NONE

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

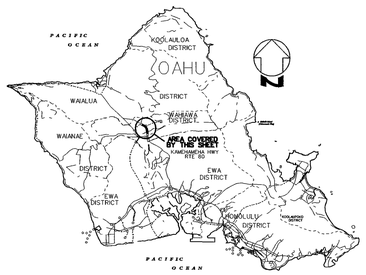
STATE

**Project No., Type of Construction, and Year Constructed**

80 + 20 HWY-O-05-07M, R, SLURRY SEAL, 2007 104 + 41 | 0.85 STP 0300(29), RESURFACE, 1994

**Project No., Type of Construction, and Year Constructed**

STP-080-1(10), 1995 (IMPROVE) | 0.13 80A-01-02M, (R), 2003 | 0.47




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

BEG. ROUTE 80 ON KAM HWY. AT THE NORTH EDGE OF PAVEMENT OF WILKINA DR. (RTE 99) 0.00 Mi.

Wilson Bridge | Ohai St. (L) Avocado St. (R) 0.01 mi. | Olive Ave. 0.11 mi. | California Ave. 87 + 45 0.22 mi. | Maalo St. 0.33 mi. | Kilani Ave. 0.41 mi. | Hiwi Place 0.47 mi. | End Divided Hwy. 0.51 mi. | Kaukonahua Br. (Karsten Thot Br.) 0.55 mi. | KAMEHAMEHA HWY | Beg. Div. Hwy. 0.65 mi. | 1 MP ( post only ) 0.89 mi. | Whitmore Ave. (Rte 7012) 1.02 mi. | End Div. Hwy 1.10 mi. | Culvert 1.29 mi. | Beg. Div. Hwy. 1.37 mi. | Kaukonahua Rd. 1.69 mi. | End Div. Hwy. 1.74 mi. | Kamananui Rd. 1.57 mi. | 1.65 mi. | 1.76 mi. | 1.88 mi.

END RTE. 80 ON KAM HWY. AT THE SOUTHEAST EDGE OF PAVEMENT OF KAMANANUI RD. (RTE 99) 1.88 Mi.

SCALE: (In Miles) 10" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00

**Divided Highway Undivided**

**Shoulder: Width and Type**

0 | 0.01 6' AC | 8' DIRT | 0.62 0' | 8'–10' AC | 4' AC

**Pavement: Width and Type**

24' CONC | 24' AC | 12' AC | 22' AC | 0.70 20' AC | 11' AC | 20' AC | 10' AC | 1.76 20' AC

**Shoulder: Width and Type**

2' CONC | 0 | 6' DIRT | 0' | 6' AC | 0' | 4' AC | 0' | 4' AC

**Median: Width and Type**

10' RAISED TRENCH W/ STEEL GRATE | 0.00 12' PAINT | 0.55 | 0.89 0'–12' AC PAINTED MEDIAN | 1.29 0'-6" AC (PAINTED) FLUSH W/ AC ROLL CURB | 1.57 1'–6" AC | 1.69 4"–7" AC | 1.65 | 1.74 0'-6" AC (PAINTED) FLUSH W/ AC ROLL CURB

**Shoulder: Width and Type**

2' CONC. & 12" PAINT | 0 | 0' | 0

**Pavement: Width and Type**

24' CONC | 24' AC | 12' AC | 12' AC | 10' AC

**Shoulder: Width and Type**

10' CONC | 10' AC | 0.12 0 | 0.47 4' AC | 4' AC | 4' AC

**Number of Traffic Lanes**

0.15 4–12' | 0.27 | 0.39 | 0.39 3–12' | 2–12' | 2–11' | 0.70 2–10' | 1–11' 1–12' | 2–10'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

8' PARK | .11 | .17 | .22 | 8' PARK | 0.41 | 0.51 | 0.52 | 0.49

**(Right Side)**

2-WAY LEFT TURN LN. | (PARKING DURING OFF-PEAK HRS. ONLY.) | 1.04 12' | 1.10 | 1.09 | 1.15 | 1.69 11' | 1.65

**Frontage Road: No. of Lanes, and Width (Right and Left)**

0.89

**Sidewalk: Width and Type (Right and Left)**

2' CONC. SW | 0.12 6' CONC. | 0.47 | 0.66 8' CONC.

**Curb and/or Gutter: Type (Right and Left)**

1' GUTTER | CURB & GUTTER | 0.51 CONC. (R) CURB | 0.70 | 0.74 ROCK CURB (L) & (R)

**Protective Devices: Type, Location and Number**

NONE

**Illumination: Type, Location and Number**

HPS LAMPS | 0.98 | 0.81 MV LAMPS | 0.89 HPS LAMPS | 1.10 MV LAMPS | 1.25 | 1.56 MV LAMPS

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

LARGE URBANIZED (4) (HONOLULU – 52)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**

② ROLLING | 1.08 ① FLAT

**Speed: 1–Design, 2–Posted**

25 MPH ② | 1.15 45 MPH ②

**Intersection Control Devices: Type, Location and Cycle Timing**

0.00 2 phase | 0.12 | 0.22 3 phase | 0.33 4 phase | 0.47 5 phase | 1.10 3 Phase

**Traffic Stations (Current Year)**

0.02 B72 0080 00000 | B72 0080 00008 | B72 0080 00011 | 0.27 | 0.38 B72 0080 00033 | B72 0080 00047 | B72 0080 00073 | B72 0080 00089 | 1.01 | B72 0080 00110 | B72 0080 00129 | 1.44 | B72 0080 00157 | B72 0080 00176 | 1.82

**HPMS Sections – AADT 2007**

43,735 | 37,475 | 23,435 | 23,535 | 15,150 | 14,140

**HPMS Sections – AADT 2006**

43,300 | 37,100 | 23,200 | 23,300 | 15,000 | 14,000 | 1.88

**HPMS Sections – AADT 2005**

42,866 | 36,708 | 23,018 | 23,050 | 14,804 | 13,903

**DOD Sections**

0.08 | 0.11 | 0.33 | 0.47 DOD 385 | 0.73 | 0.89 | 1.10 | 1.29 DOD 390 | 1.57 | 1.76

**Census Tracts**

CT 94 | 0.65 CT 93 | CT 91

**Functional Classification**

80 | 0.02 PRINCIPAL ART. (CONN. LINK) (14) | 1.10 PRINCIPAL ARTERIAL (14)

**National Highway System (NHS)**

ON NHS (1)

**Previous Projects: Project No., Date and Limits**

STP-080-1(10), 1995 (IMPROVE) | 0.50

(BR-F-080-1(3) BR. CONST., 1982) | HWY-0-01-89M (R), 1990 | 0.65 | HWY-0-01-82 M RESURF., 1982

0.11 | F-F-080-1(5), 1982 (WIDENING) | 0.58 | 109 + 46.85 | 115 + 39 | 116 + 00 | 137 + 00 | 136 + 39

70 + 93 | 0.06 (DA-WR-8(3), 1949) FAP 7-D, 1932 | 0.33 | 8-80-01-65, 1966 99 + 99.70 | 0.56 FAP 7-8, 1931 | 0.74 FAP 7-P, 1932 | 0.86 80B-02-68, 1968 | 1.25 FAP 7-D, 1932 | 1.56 | 151 + 75 F-80-1(2), 1968 9 + 90.33 | 1.77 NRS 21-A, 1935 | 17 + 25

FAP 7-D, 1932 (S-80-01-65, 1966) | 0.56 | 0.58 | 0.65 FAP 7-8, '32 | 0.81 S-80-01-65, 1966 | 0.95 FAP 7-D, 1933 | 1.63 F-80 1(2), 1969 | 1.77 FAP 7-D, 1933

SCALE: (In Miles) 10" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00

| Date Released |
|---|
| July 1999 |
| **Revised** |
| R.T. 07/99 |
| J.K. 10/01 |
| J.K. 10/02 |
| D.B. 2/03 |
| D.B. 4/04 |
| D.B. 8/04 |
| G.N. 5/06 |
| D.B. 2/08 |

# ROAD INVENTORY

# OAHU RTE 83

## JOSEPH P. LEONG HWY., KAMEHAMEHA HWY.

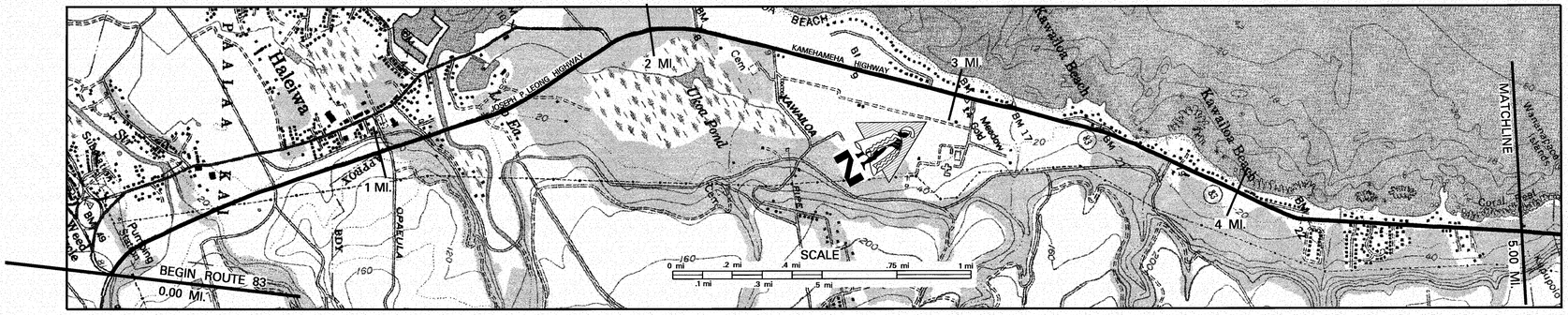
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Designated Route Length: 43.92 MILES (a+b)
a. Existing Length: 43.92 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 43.92 MILES (a+b, less c)
a. Existing Length: 43.92 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: 0.00 MILES (–)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____


Haleiwa
KAWAILOA
BEGIN ROUTE 83
0.00 MI.
1 MI.
2 MI.
3 MI.
4 MI.
5.00 MI.
MATCHLINE
SCALE
Kawailoa Beach
Waimea Bay Beach Park
Waimea Falls Park
Waimea Falls
Waimea Valley
Waimea Bay
Waimea Stream
Waimea Beach
Waimea Valley Rd.
Kamehameha Highway
Joseph P. Leong Highway
Kaiaka Bay
Coral Gardens
Waimea Bay Beach
Waimea Falls Park
Waimea Valley
Waimea Stream
Waimea Beach
Kawailoa Beach
Kawailoa Bridge
Kawailoa Rd.
Meadow Rd.
Dillingham Airfield
Waimea Falls Park
Waimea Valley
Waimea Bay Beach Park
Waimea Falls Park
Waimea Valley
Waimea Bay
Waimea Stream
Waimea Beach
Kawailoa Beach

# ROAD INVENTORY

# OAHU RTE 83
# KAMEHAMEHA HIGHWAY

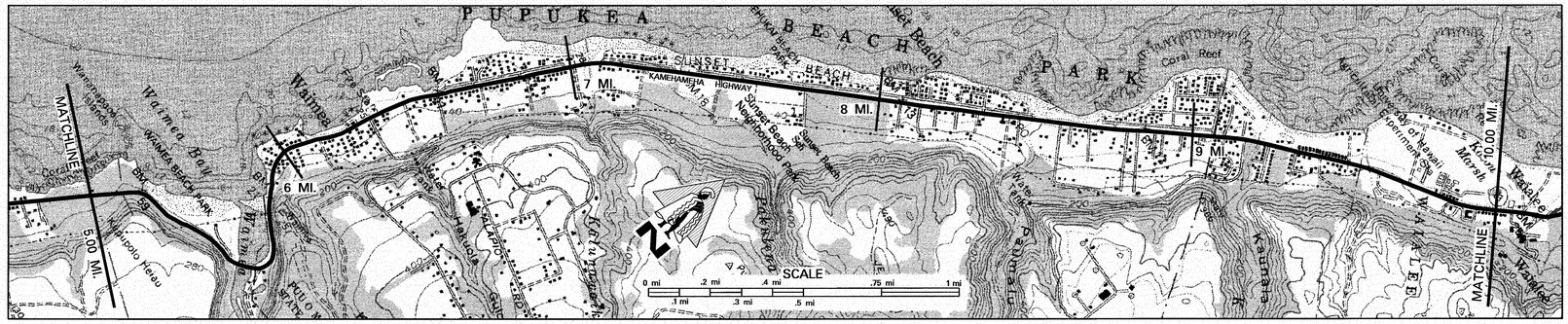
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 43.92 | MILES (a+b) |
| a. Existing Length: | 43.92 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 43.92 | MILES (a+b, less c) |
| a. Existing Length: | 43.92 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____


PUPUKEA
BEACH PARK
SUNSET BEACH
KAMEHAMEHA HIGHWAY
MATCHLINE
5.00 MI.
6 MI.
7 MI.
8 MI.
9 MI.
10.00 MI.
MATCHLINE
Waimea Bay
Waimea Beach Park
Waimea Valley
Waimea Falls Park
Sunset Beach Elementary School
Sunset Beach Park
Sunset Neighborhood Park
Pupukea Paumalu
Kaunala
Kawela
Kahuku Golf Course
Kahuku Prison
Kahuku Hospital
Kahuku Airport
Kuilima Point
Coral Reef
Reef Runway
Marsh
Wastewater Treatment Plant
Wastewater Treatment Plant Effluent Disposal Area
Waialee
Waialee Beach
Kaihalulu Beach
Kaihalulu Beach Park
Kuilima Resort
Kuilima Estates
Kuilima Estates West
Kuilima Estates East
Kuilima Drive
Kuilima Cove
Kuilima Point
Kuilima Point Trail
Kuilima Point Trail Parking
Kuilima Point Trail Parking Area
Kuilima Point Trail Parking Area
Kuilima Point Trail Parking Area

# ROAD INVENTORY

# OAHU RTE 83
# KAMEHAMEHA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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HIGHWAYS PLANNING BRANCH

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U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 43.92 | MILES (a+b) |
| a. Existing Length: | 43.92 | MILES |
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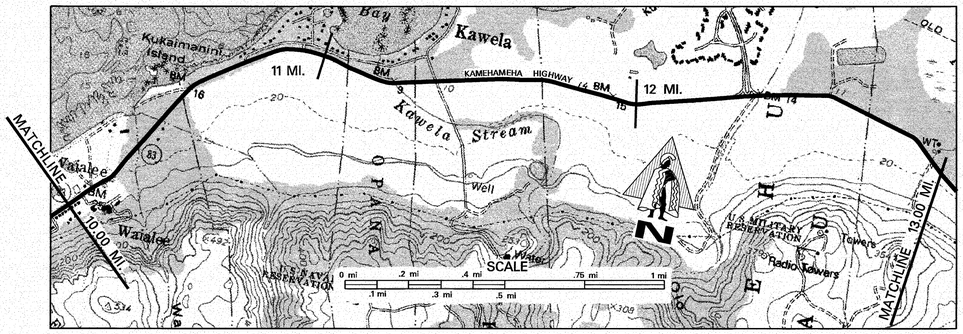
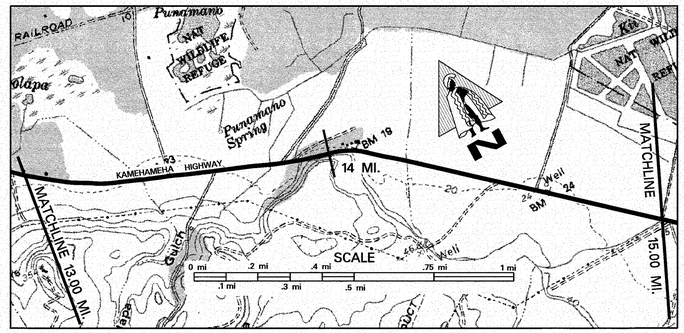
| a. Existing Length: | 43.92 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

83B (11.97 mi.) | End 83B – Begin 83C on Kamehameha Hwy., 0.60 mi. East of Kahuku Airport Road. 14.68 | 83C (7.62 mi.)

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Tee Beam 1931, H15 — 39′ (10.42–11.22)
- Tee Beam 1931, H15 — 24′ (11.22–11.73)
- Tee Beam 1931, H15 — 25′ (12.27–12.48)
- Tee Beam 1931, H15 — 26′ (13.39–13.62)

Vertical Clearance
Horizontal Clearance — 24′ (10.42–11.22), 24′ (11.22–11.73), 24′ (12.27–12.48), 24′ (13.39–13.62)

**Structure Over Road**

Vertical Clearance
Horizontal Clearance

Right of Way Width (min.–max.) if varies — 50′ | 14.00 | 60′

Available Right of Way (Needs Study) — (Residential) 10.06 — 1000′ Clear – Sugar & Pasture (R), Beach (L)

Right of Way Fence: Type – Right and Left W/W=Wire on Wood CL=Chain Link FP=From Edge of Pavement
- W/W 20′ FP: 11.37–11.52
- CL 25′ FP: 11.73–12.48
- 10′ FP W/W: 14.06–14.22
- 15′ FP W/W: 14.53–14.81

Control of Access: 1–None, 2–Partial, 3–Full — None

Jurisdiction, Transfer Phase No. and Date (C to S or S to C) — State

Project No., Type of Construction, and Year Constructed — NH-083-1(31), (R) 1996 (11.38–11.83)

Project No., Type of Construction, and Year Constructed — FR-083-1(18), (R) 1983 (10.00–10.07); 83BC-03-89M, (R) 1990

**Road Diagram**

* MP = Milepost Signage

CONTINUED FROM SHEET #2. 10.00 mi.

Crawford Convalescent Home 10.07 mi. | Culvert 10.29 mi. | Waialee Br. 10.42 mi. | Beach Park 10.58 mi. 10.59 mi. | Pahipahialua St. 10.96 mi. 10.93 mi. | Kawela Br. 11.22 mi. | Kawela Camp Rd. 11.38 mi. | Culvert 11.93 mi. 11.92 mi. | Paved Rd. Kuilima Br. (Turtle Bay Hilton) 12.38 mi. 12.37 mi. 12.35 mi. | Culvert 12.82 mi. | Culvert 12.93 mi. | Culvert 13.17 mi. | Marconi Rd. (Kahuku Airport Rd.) Nanahu Br. 13.39 mi. | Kahuku Training Area 13.48 mi. | Road 13.62 mi. | Culvert 13.86 mi. 13.81 mi. | Culvert 14.00 mi. | Culvert 14.23 mi. | 14.93 mi.

KAMEHAMEHA HIGHWAY — 11 MP, 12 MP, 13 MP, 14 MP, 15 MP

CONTINUED ON SHEET #4. 15.00 mi.

SCALE: (In Miles) 4" = 1 mile

**Divided Highway – Undivided**

Shoulder: Width and Type — 4′ AC
Pavement: Width and Type — 22′ AC
Shoulder: Width and Type — 4′ AC

**Divided Highway**

Median: Width and Type
Median Barriers:
Shoulder: Width and Type
Pavement: Width and Type
Shoulder: Width and Type

Number of Traffic Lanes — 2–11′

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
(Right Side)

Frontage Road: No. of Lanes, and Width (Right and Left)

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left)

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative — Rolling (10.06–10.54); Flat

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural (1)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous

Speed: 1–Design, 2–Posted — 45 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)
- B72 0083 00907 (11.93): 7,980 / 7,900 / 7,774
- B72 0083 01235: 7,980 / 7,900 / 7,816
- B72 0083 01388
- B72 0083 01408 (14.93)

HPMS Sections – AADT 2007
HPMS Sections – AADT 2006
HPMS Sections – AADT 2005

DOD Sections — DOD 340 (12.35) | DOD 341 (13.48, 13.89, 14.06)

Census Tracts

Functional Classification — Principal Arterial (2)

National Highway System (NHS) — ON NHS (1)

Previous Projects: Project No., Date and Limits
- FR-083-1(18), (R) 1983 (10.51)
- FAP 3-B, 1931 (10.42–376+00)
- 83C-03-68, 1968 (12.37)
- C-83-02-66, (R) 1966
- FAP 3-E, 1931

SCALE: (In Miles) 4" = 1 mile

| Date Released |
|---|
| Jan 2003, DB |

| Revised | |
|---|---|
| Aug. 04 | D.B. |
| 5/06 | G.N. |

# ROAD INVENTORY

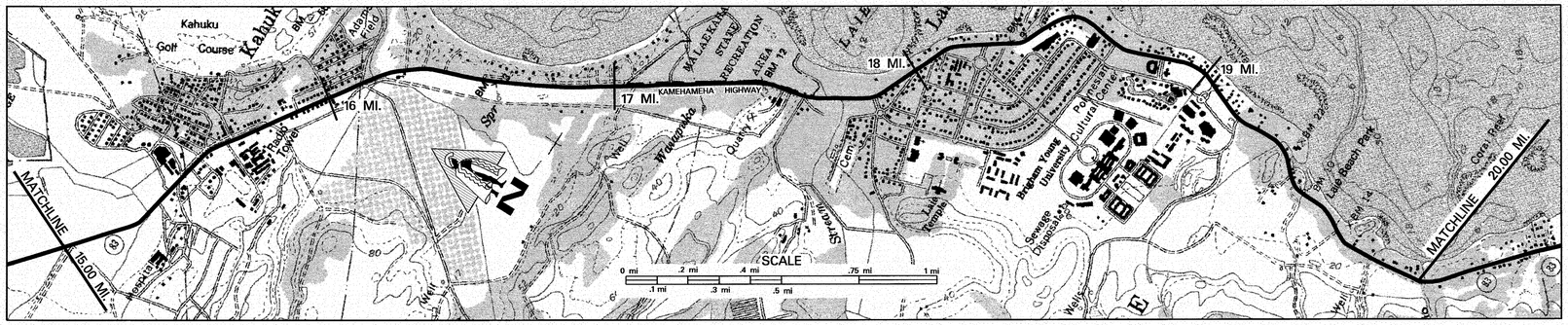
# OAHU RTE 83
# KAMEHAMEHA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 43.92 | MILES (a+b) |
| a. Existing Length: | 43.92 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 43.92 | MILES (a+b, less c) |
| a. Existing Length: | 43.92 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

83C (7.62 mi.)

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed

| | | | | | | |
|---|---|---|---|---|---|---|
| Pre-stressed Conc. Planks, 2005, HL-93 | 4 Cell Box Culvert 2005 HL-93 | Pre-Stressed Conc. Girder 1999, HS-20-44 | Slab 1933, H15 | Tee Beam 1932, H15 | Slab 1933, H15 | |
| 127' | 126.5' | 107' | 91' | 26' | 90' | |
| 15.04 | | 16.19 | 17.68 | 18.31 | 18.50 | |
| Vertical Clearance | | | | | | |
| 40' | 40' | 40' | 24' | 24' | 24' | |
| Horizontal Clearance | | | | | | |

**Structure Over Road**

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies

60' 16.07 | 50'

Available Right of Way Width (Needs Study)

1000' Clear–Sugar & Pasture (R) | Residential | Trees and Brush | Residential | Trees and Brush

Right of Way Fence: Type – Right and Left W/W=Wire on Wood CL=Chain Link SW=Stone Wall FP=From Pavement

W/W 15' FP | 20' FP CL | 20' FP | (W/W) | 15' FP W/W | W/W | Conc. 10' FP | (W/W) | (CL) | (SW) | 10' FP | (W/W) | (Wood on Wood) 19' FP | (Wood on Wood) 19' FP | SW 12' FP | SW 12' FP

Control of Access: 1–None, 2–Partial, 3–Full

None

Jurisdiction, Transfer Phase No. and Date (C to S or S to C)

State

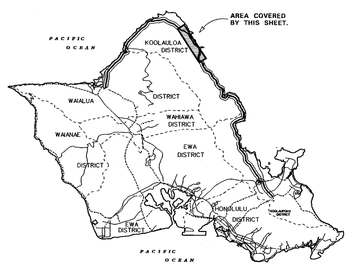
Project No., Type of Construction, and Year Constructed

STA 623+65 STA 644+54 | (1296 + 24.41)

NH-083-1(46) Drainage Imp, 2005 | (BR-083-1(27), Bridge Replacement 1999) | (STP-083-1(44), Traffic Signals 2000) | (BR-083-1(50), Bridge Replacement, 2007)

Project No., Type of Construction, and Year Constructed

83BC-03-89M, (R) 1990 | NH-083-1(31), Resurface 1996 | NH-083-1(31), Resurface 1996




## Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #3. 15.00 mi.

Kii Br. 15.04 mi. | Paved Rd. 15.11 mi. | Pualalea St. Beg. Divided Hwy. 15.38 mi. | Hospital Culvert 15.35 mi. | Kahuku Sugar Mill 15.49 mi. | End Divided Hwy. 15.60 mi. | Kahuku Elem. & High School Rd. 15.59 mi. | Puuluene St. 15.70 mi. | High School Exit 15.81 mi. | Paved Rd. (L) 15.93 mi. | Paved Rd. 16.05 mi. | Malaekahana Br. 16.19 mi. | Paved Rd. 16.15 mi. | Ent. to Malaekahana Puu Honua Rd. 16.43 mi. | KAMEHAMEHA HIGHWAY | Gunstock Ranch 17.05 mi. | Rd. to Malaekahana Beach Park 17.20 mi. | Road Wahinepee Place (County Baseyard) 17.56 mi. | Laiewai Br. 17.66 mi. | Nanilua Loop 17.83 mi. | Wahinepee St. 17.97 mi. | Lanihuli St. 18.04 mi. | Kulanui St. 18.09 mi. | Halelaa Blvd. 18.23 mi. | Laeloa Br. 18.31 mi. | Anemoku St. Shopping Ctr. Beg. Divided Hwy. 18.37 mi. | End Divided Hwy. 18.43 mi. | Nanilua Loop 18.54 mi. | Nanilua Loop 18.70 mi. | Polynesian Cultural Cntr. Paved Rd. 18.91 mi. | Polynesian Cultural Cntr. Beg. Divided Hwy. 18.87 mi. | Polynesian Cultural Cntr. End Divided Hwy. 18.86 mi. | Culvert (Waiele Strm.) 19.00 mi. | Laiemaloo Br. 19.05 mi. | Beach Park Road 19.16 mi. | Culvert 19.33 mi. | 19.50 mi. | 19.59 mi. | 19.84 mi. | 19.83 mi.

STA 625+96.21 | STA 641+77.32 | 16 MP | 17 MP | 19 MP | 20 MP

CONTINUED ON SHEET #5. 20.00 mi.

SCALE: (In Miles) 4" = 1 mile

**Divided Highway**

**Undivided**

| | | | | | |

# ROAD INVENTORY

# OAHU RTE 83
# KAMEHAMEHA HIGHWAY

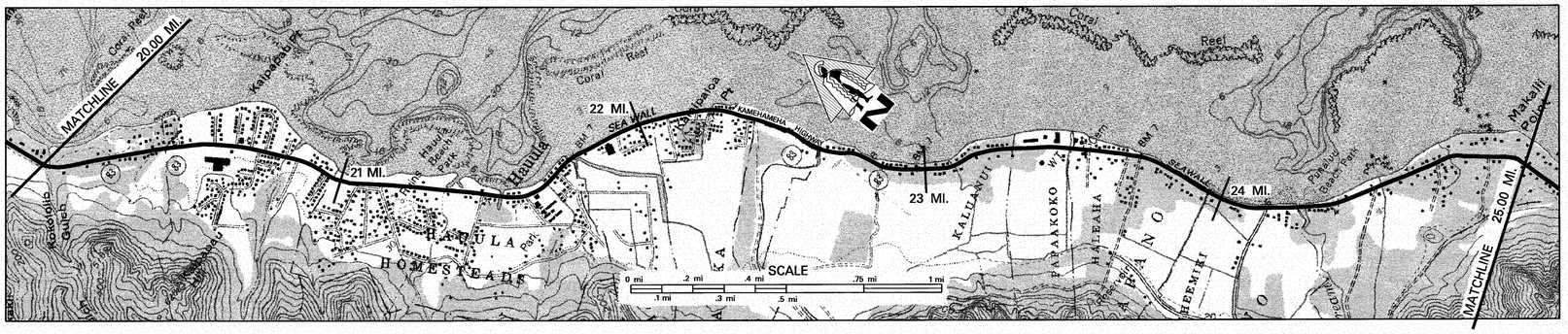
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Designated Route Length: 43.92 MILES (a+b)
a. Existing Length: 43.92 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 43.92 MILES (a+b, less c)
a. Existing Length: 43.92 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: 0.00 MILES (–)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

83C (7.62 mi) | End 83C – Begin 83D at Hauula Homestead Road. 21.70 | 83D (12.61 mi.)

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed

Prestressed Conc. Plank, 2007, HL-93 — 57' — 20.01
TBM 1932, H15 — 82' — 20.79
25' — 20.84
Slab 1932, H15 — 110' — 21.91
TBM 1932, H15 — 26' — 21.49
24' — 21.61
Slab 1926, H15 — 54' — 21.75
Slab 1926, H15 — 72' — 22.23
Slab 1926, H15 — 126' — 22.85
Slab 1926, H15 — 37' — 23.91
Slab 1926, H15 — 126' — 24.22

Vertical Clearance

40' | 24' | 24' | 23' | 24' | 24' | 23' | 23' | 23' | 23' | 23'

**Existing Over Road**

Horizontal Clearance
Vertical Clearance
Horizontal Clearance

Right of Way Width (min.–max.) if varies: 50'

Available Right of Way Width (Needs Study)

Trees & Brush — 20.03 — (SW) 12' FP — 20.01 — W/W 12' FP — 20.27 — 12' FP — 20.18 — 20.31 — 20' FP — 20.47 — W/W — 20.63
Residential — 21.30 — (W/W) — 21.39 — 21.43 — SW — 21.20 — (W/W) — 21.51 — 15'–20' FP — 21.61
Residential (R), Beach (L) — 22.96 — (W/W) — 23.09 — 50' FP — W/W — 50' FP — 23.19 — 50' FP — 23.32 — (W/W) — 23.45

Right of Way Fence: Type – Right and Left W/W=Wire on Wood SW=Stone Wall FP=From Pavement

Control of Access: 1–None, 2–Partial, 3–Full: None

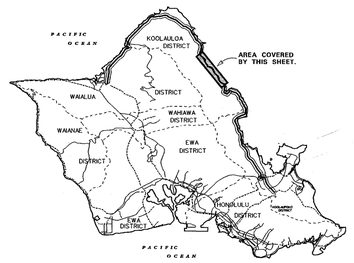
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State

Project No., Type of Construction, and Year Constructed

(BR-083-1(50), Bridge Replacement, 2007) — 20.14 — 1283 + 10.93

Project No., Type of Construction, and Year Constructed

NH-083-1(31), Resurface 1996 | 83D-01-96M, Resurface 1997




**Road Diagram**
* MP=Milepost Signage

CONTINUED FROM SHEET #4.

(Laie Br.) Kokololio Br. 20.00 mi. — 1289 + 63.56
Kokololio Beach Park 20.01 mi.
Kokololio Beach 20.21 mi.
Kaupau Place 20.31 mi.
Kahikole Place 20.39 mi.
Ahinahu Place 20.44 mi.
Shopping Center Exit 20.54 mi.
Kaipapau Loop 20.55 mi.
Kaiwapuna St. 20.66 mi.
Kaipapau Loop 20.70 mi.
Kaipapau Br. 20.71 mi.
Piplani Place 20.78 mi.
21 MP
Waiahole Br. 20.92 mi.
Imua Place 20.95 mi.
Waiahole Rd. 20.97 mi.
Waikalama St. 21.03 mi.
Hauula Homestead Rd. 21.10 mi.
Mulwai Br. 21.31 mi.
Kukuna Rd. 21.43 mi.
Hauula Beach Park 21.49 mi.
Hauula Elem. School 21.57 mi.
Waipuhi Br. 21.65 mi.
Maheiwi Br. 21.70 mi.
Hauula Homestead Rd. 21.75 mi.
KAMEHAMEHA
22 MP
Makao Rd. 21.86 mi.
Paved Rd. 21.92 mi.
Waimanena Br. 22.10 mi.
Pokiwai Place 22.22 mi.
Sacred Falls Park Entrance 22.20 mi.
Sacred Falls Rd. 22.36 mi.
HIGHWAY
Kaluanui Rd. 22.42 mi.
Kaluanui Br. 22.61 mi.
Puhuli Rd. 22.86 mi.
23 MP
22.83 mi.
Culvert 22.94 mi.
Culvert 23.07 mi.
"Pa'ala" at Punaluu 23.28 mi.
"Pa'ala" at Punaluu Assisted Living Community
"Pa'a's" at Punaluu 23.37 mi.
Culvert 23.44 mi.
Queen Liliuokalani Children's Center 23.55 mi.
Halaeha Road (no sign) 23.66 mi.
North Punaluu Br. 23.91 mi.
Punaluu Valley Road Culvert 24.11 mi.
24.09 mi.
24 MP
Punaluu Br. 24.21 mi.
24.20 mi.
Culvert 24.50 mi.
Green Valley Road (no sign) 24.46 mi.
Culvert 24.74 mi.

CONTINUED ON SHEET #6. 25.00 mi.

SCALE: (In Miles) 4" = 1 mile

**Divided Highway**

Undivided

Shoulder: Width and Type — (10'–12' Grs./Coral) — 20.02 — 16'–18' Grass — 20.28 — 8'–10' Grass — 20.58 — 12'–14' Grass — 20.96 — 16'–18' Grs./Coral — 21.71 — 4' AC — 23.44 — 14' AC — 23.50 — 4' AC
Pavement: Width and Type — 22' AC — 20.34 — 24' AC — 20.58 — 22' AC — 21.3 — 24' AC
Shoulder: Width and Type — 8'–10' Grass — 20.22 — 14' Grass — 20.58 — 8'–10' Grass — 20.78 — 8'–10' Grv. — 21.30 — 6' Grs. — 21.38 — 2' — 21.51 — 6'–8' Dirt — 21.65 — 4' Grass — 21.68 — 9' AC — 21.74 — 5' AC — 23.14 — 4' AC — 23.27 — 5' AC — 23.44 — 4' AC — 23.67 — 5' AC
(8'–12' AC) (12' AC)

Median: Width and Type
Median Barriers:
Shoulder: Width and Type
Pavement: Width and Type
Shoulder: Width and Type

Number of Traffic Lanes: 2–11' — 20.14 — 2–12' — 20.53 — 2–11' — 21.19 — 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
(Right Side)

Frontage Road: No. of Lanes, and Width (Right and Left)

Sidewalk: Width and Type (Right and Left): 3' & 4' AC S.W.

Curb and/or Gutter: Type (Right and Left)

Protective Devices: Type, Location and Number M/M=Metal Rails on Metal Posts: (M/M) — 20.02 — (M/M) — 20.49

Illumination: Type, Location and Number: 20.11 — MV / Incandescent

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural (1)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Flat

Speed: 1–Design, 2–Posted: (School Zone – 25 MPH (2)) — 21.47 — 21.59 — 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Statios (Current Year): B72 0083 01934 — 20.79 — B72 0083 02170 — 24.19 — B72 0083 02470

HPMS Sections – AADT 2007: 13,030 — 10,000 — 9,700
HPMS Sections – AADT 2006: 12,900 — 9,900 — 9,600
HPMS Sections – AADT 2005: 12,811 — 9,831 — 9,490

DOD Sections: 21.70 — DOD 341 — 24.70

Census Tracts

Functional Classification: Principal Arterial (2)

National Highway System (NHS): ON NHS (1)

Previous Projects: Project No., Date and Limits

83C-01-81M, (R) 1981 — 21.71 — 21.72 — 83 DEF-01-82M, (R) 1983
83 DE-01-69, (R) 1969
(FAP –1E, 1932) — 20.07 — FAP 1-D, 1933 — 21.70 — FAP 1, 1927

SCALE: (In Miles) 4" = 1 mile

| Date Released |
|---|
| Jan 2003, DB |

| Revised | |
|---|---|
| Aug. 04 | D.B. |
| 5/06 | G.N. |
| 3/07 | D.B. |
| 12/07 | D.B. |

# ROAD INVENTORY

# OAHU RTE 83
# KAMEHAMEHA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 43.92 | MILES (a+b) |
| a. Existing Length: | 43.92 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 43.92 | MILES (a+b, less c) |
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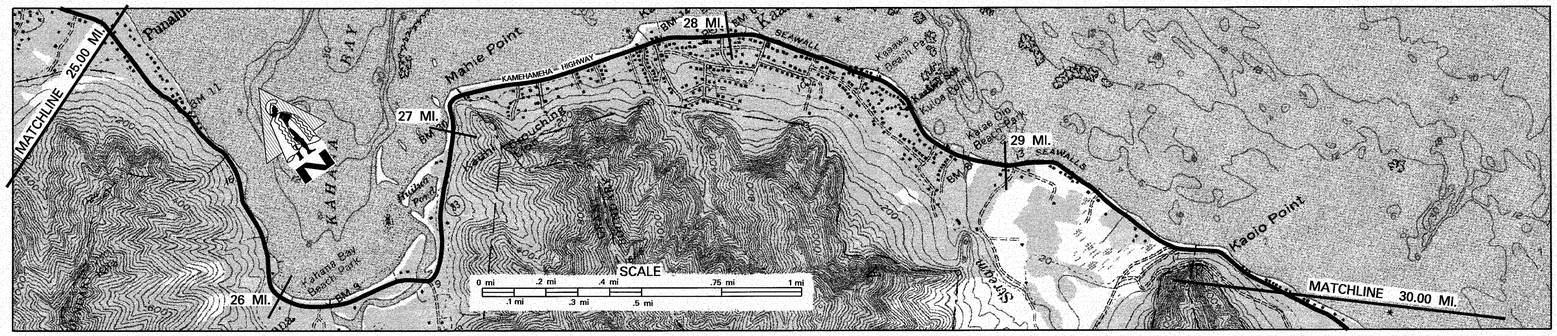
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

25 | 26 | 27 | 28 | 29 | 30

**Maintenance Control Sections : Length and Description**

83D (12.61 mi.)

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

Slab 1927, H15 92' (25.78–25.91) | Slab 1927, H15 90' (28.44–28.53) | TBM 1927, H15 44' (27.70–27.74) | Slab 1927, H15 126' (28.82–28.95)

**Vertical Clearance**

**Horizontal Clearance**

23' | 23' | 23' | 23'

**Structure Over Road**

**Vertical Clearance**

**Horizontal Clearance**

**Right of Way Width (min.–max.) if varies**

50'

**Available Right of Way Width (Needs Study)**

Residential (R), Beach (L) | Trees & Bushes | Residential

**Right of Way Fence: Type – Right and Left** W/W=Wire on Wood SW=Stone Wall CL=Chain Link FP=From Pavement

25.77 10' FP W/W 25.91 | 26.06 10' FP W/W 26.22 CL 26.28 10' FP | 27.46 CL 27.72 10' FP | 28.47 W/W 28.60 | 28.79 15' FP W/W 28.88 | 28.88 15' FP W/W 29.10 | 29.10 SW 29.27 | 29.48 15' FP W/W 29.61 | 29.67 15' FP W/W

**Control of Access: 1–None, 2–Partial, 3–Full**

None

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

State

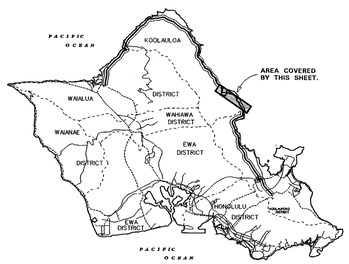
STA 913+00 27.19

**Project No., Type of Construction, and Year Constructed**

NH–083–1(43) RESURFACE 2005

**Project No., Type of Construction, and Year Constructed**

83D–01–96M, Resurface 1997




**Road Diagram**
* MP = Milepost Signage

CONTINUED FROM SHEET #5.

25.00 mi.

Kahana Bay Wharf 25.86 mi. | Culvert 26.03 mi. | Kahana Br. 26.16 mi. | Kahana Valley State Park 26.12 mi. | Parking Area 26.31 mi. | Trout Farm Road 26.35 mi. | Kahana Br. 26.48 mi. | Driveways to Crouching Lion 27.18 mi. | Street 27.15 mi. | Keo Place 27.27 mi. | Lau Place 27.45 mi. | Fire Station (R) 27.52 mi. | Huemaiani Rd. 27.71 mi. | Makaua Br. 27.73 mi. | Road 27.69 mi. | Swanzy Beach Park 27.85 mi. | Hi' iaka Rd. 27.89 mi. | Pohaiaina Rd. 27.93 mi. | Culvert 28.03 mi. | Puukenikeni Rd. 28.07 mi. | Culvert 28.23 mi. | Oheloloai Rd. 28.26 mi. | Kaaawa Beach Park 28.39 mi. | Kaaawa Elem. School Entrs. 28.46 mi. | Kaaawa Br. 28.61 mi. | Kaaawa Pl. 28.58 mi. | Culvert 28.76 mi. | Pohuehue Rd. 28.72 mi. | Kaaawa Br. 28.82 mi. | Kaaawa Pl. 28.78 mi. | Culvert 28.76 mi. | Pohuehue Rd. 28.72 mi. | 29.35 mi.

KAMEHAMEHA HIGHWAY

25 MP | 26 MP | 27 MP | 29 MP

CONTINUED ON SHEET #7.
30.00 mi.

SCALE: (In Miles) 4" = 1 mile

25 | 26 | 27 | 28 | 29 | 30

**Divided Highway – Undivided**

**Shoulder: Width and Type**

4' AC 25.20–25.40 | 6'–8' Grass 25.40–25.81 | 10'–12' Grass 25.81–26.08 | 4' AC 26.08–26.41 | 4'–6' AC 26.41–27.11 | 6'–12' AC 27.11–27.34 | 6' AC 27.34–29.81

**Pavement: Width and Type**

24' AC 25.81–26.08 | 20' AC 26.08–26.41 | 22' AC 26.41–29.81

**Shoulder: Width and Type**

5' AC 25.20–25.30 | 7'–10' Coral 25.30–25.80 | 0 25.80–26.03 | 8'–10' Grass 26.03–26.08 | 4' AC 26.08–26.90 | 8' AC/Grs. 26.90–27.11 | 10' AC 27.11–27.34 | 6' AC 27.34–29.81

**Median: Width and Type**

**Median Barriers:**

**Divided Highway**

**Shoulder: Width and Type**

**Pavement: Width and Type**

**Shoulder: Width and Type**

**Number of Traffic Lanes**

2–12' 25.01–25.80 | 2–10' 26.08–26.90 | 2–11' 27.11–29.81

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

**(Right Side)**

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**

4' B.P. S.W. 28.38–28.42

**Curb and/or Gutter: Type (Right and Left)**

**Protective Devices: Type, Location and Number** M/M = Metal Rails on Metal Posts

Wood Rails on Wood Posts 25.41–25.80 | M/M 25.80–25.96 | M/M 26.16–26.32 | M/M 26.32–26.45 | M/M 26.45–26.51 | (M/M) 26.70–26.79 | M/M 26.82–27.16 | (M/M) 27.05–27.18 | 27.71–27.74 | 28.27–28.39 | 28.76–28.85 | 28.85–28.87 | 29.40–29.44 | 29.55–29.66 | 29.77

**Illumination: Type, Location and Number**

MV / Incandescent

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

Rural (1) | SMALL URBAN (2)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**

Flat 25.29–27.89 Rolling | Flat

**Speed: 1–Design, 2–Posted**

35 MPH (2) | 25 School Zone– 25 MPH (2) 29.38–29.57 | 45 MPH (2) 29.21–29.39

**Intersection Control Devices: Type, Location and Cycle Timing**

**Traffic Stations (Current Year)**

B72 0083 02470 25.39 | B72 0083 02539 25.93 | B72 0083 02593 26.59 | B72 0083 02659 26.96 | B72 0083 02711 27.11 | B72 0083 02722 27.22–27.44 | B72 0083 02744 27.65–28.07 | B72 0083 02807 29.25 | B72 0083 02925 29.35–29.61 | B72 0083 02951 29.61 | B72 0083 02985 29.85

**HPMS Sections – AADT 2007**

9,700 | 10,000 | 11,010 | 10,605

**HPMS Sections – AADT 2006**

9,600 | 9,900 | 10,900 | 10,500

**HPMS Sections – AADT 2005**

9,490 | 9,827 | 10,750 | 10,386

**DOD Sections**

DOD 341

**Census Tracts**

**Functional Classification**

Principal Arterial (2) | Principal Arterial (14)

**National Highway System (NHS)**

On NHS (1)

**Previous Projects: Project No., Date and Limits**

83 DEF–01–82M (R) 1983 25.20–26.09 | 83 DF–01–69, (R) 1969 | FR–083–1(17), Resurface 1983 | 83D–01–86M, Resurface 1987 27.60–29.81

83 DF–01–69, (R) 1969 | 83E–02–68, 1968 26.91–27.36 | 83D–01–72, 1973 27.25 (Job # 5616, 1952) | FAP 1, 1925 | 83–E–02–68, 1968

SCALE: (In Miles) 4" = 1 mile

25 | 26 | 27 | 28 | 29 | 30

| Date Released |
|---|
| *Jan 2003, DB* |

| Revised | |
|---|---|
| *Mar 03* | *D.B.* |
| *Aug. 04* | *D.B.* |
| *5/06* | *G.N.* |

# ROAD INVENTORY

# OAHU RTE 83
# KAMEHAMEHA HIGHWAY

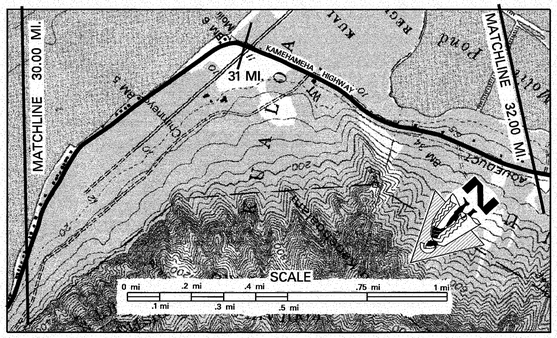
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

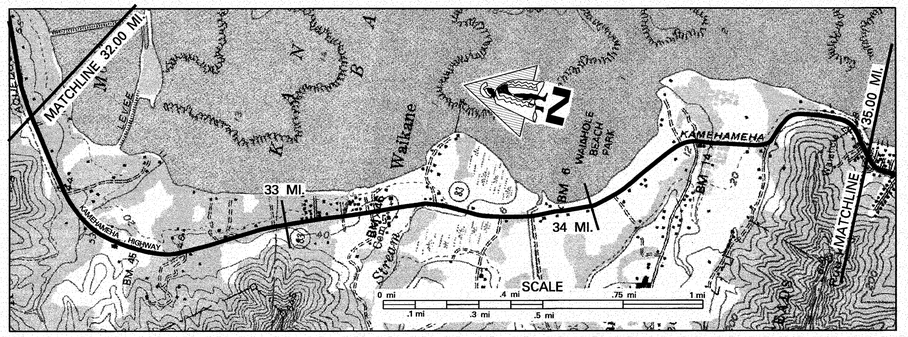
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Designated Route Length: 43.92 MILES (a+b)
a. Existing Length: 43.92 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 43.92 MILES (a+b, less c)
a. Existing Length: 43.92 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: 0.00 MILES (–)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

30 | 31 | 32 | 33 | 34 | 35

**Maintenance Control Sections : Length and Description**

83D (12.61 mi.) | End 83D – Begin 83E at the Centerline Intersection with Waiahole Valley Road. 34.54 34.58 | 83E (1.82 mi.)

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

TBM 1922, H15 | TBM 1928, H15 | Slab 1928, H15 | TBM 1922, H10
32' (30.91–32.31) | 44' (33.54–33.73) | 54' (33.73–34.36) | 66'
Vertical Clearance: 23' | 23' | 23' | 23'

**Structure Over Road**

Horizontal Clearance
Vertical Clearance
Horizontal Clearance

**Right of Way Width (min.–max.) if varies**: 50'

**Available Right of Way Width (Needs Study)**

**Right of Way Fence: Type – Right and Left** W/W=Wire on Wood FP=From Pavement

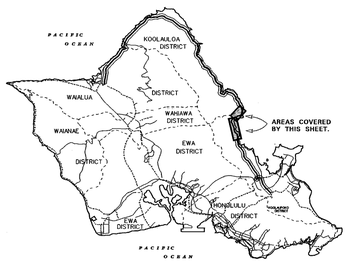
Residential: 15' FP W/W (30.41–30.58); 10' FP [W/W] 15' FP W/W (30.84–31.91); 10' FP W/W (31.00–31.21); 15' FP W/W (31.89–32.17); 15' FP W/W (32.26–32.46); Pasture & Residential: 20' FP W/W (32.46–33.02); [W/W] 12' FP (33.36–33.42); 20' FP [W/W] (33.53–33.78); 20' FP W/W (33.78–34.55)

**Control of Access: 1–None, 2–Partial, 3–Full**: None

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**: State

**Project No., Type of Construction, and Year Constructed**: STA 518+50 (34.32); N–083–1(43), RESURFACE 2005

**Project No., Type of Construction, and Year Constructed**: (34.37) STP–083–1(28), Resurface 1996




**Road Diagram**
* MP = Milepost Signage

CONTINUED FROM SHEET #6. 30.00 mi.

Telemetry Sta. 029 Old Sugar Mill Smoke Stack (30.37 mi.); Kualoa Ranch Rd. (30.59 mi.); Rd. to Kualoa Park Beg. Divided Hwy. (30.74 mi.); End Divide Hwy. (30.96 mi.); Kualoa Maintenance Yard (31.01 mi.); Culvert (31.11 mi.); Culvert (31.22 mi.); Johnson Rd. (31.40 mi.); Hakipuu Br. (31.54 mi.); Tourist Shops (31.92 mi.); Culvert (32.20 mi.); Kamaka Place (32.30 mi.); Haupoa St. (32.47 mi.); Waikane Br. (32.86 mi.); Waikane Valley Rd. (33.09 mi.); North Waiahole Br. (33.19 mi.); Culvert (33.54 mi.); Culvert (33.65 mi.); Culvert (33.73 mi.); Waiahole Valley Road (33.83 mi.); Waiahole County Br. (33.94 mi.); Waiahole Hmstd. Road (34.31 mi.); (34.53 mi.)

KAMEHAMEHA HIGHWAY

30 MP | 31 MP | 32 MP | STA 519+00 | 34 MP

CONTINUED ON SHEET #8. 35.00 mi.

SCALE: (In Miles) 4" = 1 mile

30 | 31 | 32 | 33 | 34 | 35

**Divided Highway – Undivided**

**Shoulder: Width and Type**: 6' AC
**Pavement: Width and Type**: 22' AC | 11' AC | 22' AC | 4' AC (34.32)
**Shoulder: Width and Type**: 6' AC | 12'–14' AC (30.64–30.78) | 6' AC | 0 | 6' AC | 4' AC (32.92–33.37) | 1'–4' AC (33.37–33.38) | 6' AC | 12' AC (34.31–34.35) | 3'–5' AC

**Median: Width and Type**
**Median Barriers:** (30.86–31.11)
**Shoulder: Width and Type**: 0
**Pavement: Width and Type**: 11' AC
**Shoulder: Width and Type**: 6' AC

**Number of Traffic Lanes**: 2–11'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**
**(Right Side)**

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**: (34.55) 3'–5' AC S.W.

**Curb and/or Gutter: Type (Right and Left)**

**Protective Devices: Type, Location and Number** M/M = Metal Rails on Metal Posts: (32.86–32.78) M/M; Inertial Barrier System (33.69–34.23); (34.29–34.36) M/M; M/M

**Illumination: Type, Location and Number**: Incandescent (30.95–31.06); Mercury Vapor (33.71–34.53); 21 MV Lamps; MV (34.53–34.61); Incandescent

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development**: Small Urban (2) (34.31); Small Urbanized (3) (Kaneohe/Kailua–320)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**: Flat (31.20); Rolling (31.20–33.77); Flat (33.77–34.03); Rolling (34.03–34.55)

**Speed: 1–Design, 2–Posted**: 45 MPH (2) (34.22); 35 MPH (2)

**Intersection Control Devices: Type, Location and Cycle Timing**

**Traffic Stations (Current Year)**: B72 0083 02985 (30.59); B72 0083 03115 (33.25); B72 0083 03306; B72 0083 03431

**HPMS Sections – AADT 2007**: 10,605; 11,920; 17,575

**HPMS Sections – AADT 2006**: 10,500; 11,800; 17,400

**HPMS Sections – AADT 2005**: 10,386; 11,645; 17,200

**DOD Sections**: DOD 341 (31.19–33.09)

**Census Tracts**

**Functional Classification**: Principal Arterial (14)

**National Highway System (NHS)**: On NHS (1)

**Previous Projects: Project No., Date and Limits**

83D-01-86M (R) 1987 (30.48); 83D–01–88M, Resurface 1988; F–083–1(22), Resurface 1986 (34.31)
HES-ROS-083-1(12), (Safety Improvements) 1986
83E-01-74, (R) 1975 (34.36)
FAP 1, 1925 (30.44–30.53); 83E-02-68, 1968 (30.86); FAP 1B, 1927 (711+00 – 695+02.17); (FAP 1A, 1925) (34.20); County Project (34.32) (525+00 – 519+20)

SCALE: (In Miles) 4" = 1 mile

30 | 31 | 32 | 33 | 34 | 35

| Date Released |
|---|
| Jan 2003, DB |

| Revised | |
|---|---|
| Aug. 04 | D.B. |
| 5/06 | G.N. |

# ROAD INVENTORY

# OAHU RTE 83

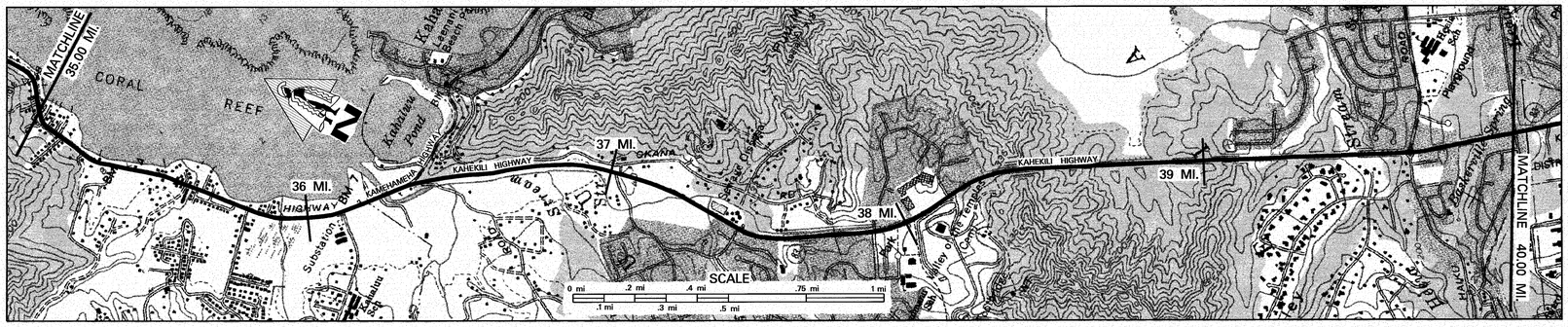
# KAMEHAMEHA HWY., KAHEKILI HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

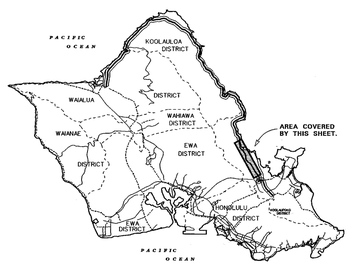
PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 43.92 | MILES (a+b) |
| a. Existing Length: | 43.92 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 43.92 | MILES (a+b, less c) |
| a. Existing Length: | 43.92 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile




## Road Diagram

* MP = Milepost Signage

| Date Released |
|---|
| *Jan 2003, DB* |
| **Revised** |
| 5/06 G.N. |
| 3/07 D.B. |

**Maintenance Control Sections : Length and Description**

35: 83E (1.82 mi.) | 36: End 83E – Begin 83F on Kam. Hwy., at N.W. end of Kahaluu Bridge. (36.13) | 37: 83F (4.55 mi.) | 38 | 39 | 40

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**
- Slab 1923, H10 — 41' (35.54 – 35.58)
- Slab 1922, H10 — 90' (36.13 – 36.31)
- P/CB 1971, HS20 — 82' (37.16 – 37.32)

**Vertical Clearance**

**Horizontal Clearance**
- 23' (35.54 – 35.58)
- 23' (36.13 – 36.31)
- 46' (37.16 – 37.32)

**Structure Over Road**

**Vertical Clearance**

**Horizontal Clearance**

**Right of Way Width (min.–max.) if varies**
- 50' (35.49 – 36.16)
- 170'–230' (36.16 – 37.22)
- 120' (37.22 – 39.39)

**Available Right of Way Width (Needs Study)**
- Residential Area (36.16 – 37.22)
- (CL) (39.39)

**Right of Way Fence: Type – Right and Left** W/W = Wire on Wood FP = From Pavement
- 15' FP (35.79 – 36.14)
- W/W (36.14 – 36.16)
- 50' FP (37.28 – 37.45)
- W/W (39.39 – 39.85)
- W/W (39.85 – 39.96)
- None (37.45 – 39.39)

**Control of Access: 1–None, 2–Partial, 3–Full**

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**
- State (35.00 – 36.16)
- County to State – Phase 3 (eff. 1/1/80) (36.16 – 39.39)
- 64 + 16.39 (39.07)

**Project No., Type of Construction, and Year Constructed**
- STP–083–1(28), Resurface 1996 (36.16 – 36.37)
- 83F–01–97M, Resurface 1998 (36.37 – 39.39)
- NH–083–1(49), Landscaping, 2006 (39.07)

**Project No., Type of Construction, and Year Constructed**
- F–083–1(22), (R) 1986 (35.49 – 36.16)
- 83EF–02–86 (R) 1987 (36.16 – 36.37)
- 83F–02–91, 1993 Inter. Imprv. (36.37 – 36.64)
- 83F–02–91, 1993 Inter. Imprv. (36.73 – 37.05)
- (STP–083–1(29), 3 Phase Traffic Signal 1996) (38.14 – 38.24)
- NH–083–1(26), Widening 1997 (39.39 – 39.96)

CONTINUED FROM SHEET #7. 35.00 mi.

Kaimalolo Place 35.07 mi. | Culvert 35.24 mi. | Culvert 35.28 mi. | Culeana Rd. 35.31 mi. | Culvert 35.24 mi. | Nukuwai Place 35.50 mi. | Kaalaea Br. 35.54 mi. | Kaalaea Rd. | Wailehua Rd. 35.72 mi. | Culvert 35.82 mi. | Waihee Rd. 36.04 mi. | Beg. Divided Hwy. 36.13 mi. | Kahaluu Br. 36.16 mi. | End Divided Hwy. 36.28 mi. | Kam Hwy. Tourist Stop 36.28 mi. | Beg. Divided Hwy. 36.30 mi. | Luiani St. 36.41 mi. | End Divided Hwy. 36.51 mi. | Ahoolio Rd. | KAMEHAMEHA HWY. — KAHEKILI HWY. | Beg. Divided Hwy. 36.59 mi. | Ahuimanu Rd. 36.84 mi. | End Divided Hwy. 36.94 mi. | Ahuimanu Strm. Br. 37.04 mi. | Beg. Divided Hwy. 37.16 mi. | Sewage Treatment Plant 37.28 mi. | Ahuimanu Pl. 37.27 mi. | End Divided Hwy. 37.36 mi. | 37 MP (Post Only) | Beg. Divided Hwy. 37.47 mi. | West Hui Iwa Street 37.53 mi. | Hui Iwa Street 37.64 mi. | End Divided Hwy. 37.84 mi. | Ent. to Valley of the Temples 38.04 | 38 MP | Indicates Grass & / or Physical Barrier on Median. | Beg. Divided Hwy. 38.09 mi. | Haiku Rd. 38.18 mi. | 39 MP | 39 MP | Kahuhipa St. 38.55 mi. | 39.44 mi. | 39.59 mi. 39.57 mi. | 39.92 mi.

CONTINUED ON SHEET #9. 40.00 mi.

**Divided Highway — Undivided**

**Shoulder: Width and Type**
- (4' AC) (35.14 – 35.24)
- 4' AC (35.24 – 35.28)
- 4' Dirt (35.28 – 36.14)
- 2'–10' AC (36.14 – 37.18)
- 12' AC (37.18 – 39.30)
- 4' AC (39.30 – 39.35)
- 10' AC (39.35 – 39.50)
- 8' Dirt (39.50 – 39.89)
- 8'–10' AC/Dirt (39.89 – 39.91)
- 10' AC (39.91 – 39.97)
- 6'–10' AC (39.97 – 40.00)
- 5' Conc. Bike Lane (40.00)

**Pavement: Width and Type**
- (10'–12' AC) 22' AC (35.24 – 35.51)
- 21' AC (35.51 – 36.14)
- 11' AC (36.14 – 36.28)
- 24' AC (36.28 – 36.89)
- 12' AC (36.89 – 39.97)
- 24' AC (39.97 – 40.00)
- 36' AC (40.00)

**Shoulder: Width and Type**
- 3'–5' AC (35.24 – 35.28)
- 0 (35.28 – 36.14)
- 0 (36.14 – 36.28)
- 12' AC (36.28 – 36.89)
- 0 (36.89 – 39.97)
- 10'–12' Grass (39.97 – 40.00)
- (12'–22' Painted AC) 0 (14' Conc. Median Barrier Planter, with Shrubs)

**Median: Width and Type**
- 0'–12' Paint (36.14 – 36.28)
- 0'–12' Paint (36.28 – 36.89)
- 0'–12' Paint (36.89 – 37.04)
- 0'–12' Paint (37.04 – 37.27)
- 0'–6' Paint (37.27 – 37.47)
- 0'–8' Paint (37.47 – 38.16)
- 0'–10' Paint (38.16 – 39.44)
- (12'–22' Painted AC)

**Median Barriers:** ——— = Conc. Barrier
- (2' Conc. Barrier) (39.44 – 39.70)
- 0 (39.70 – 39.83)
- (2' Conc. Barrier)

**Shoulder: Width and Type**
- 0 (36.14 – 36.89)
- 0 (36.89 – 37.04)
- 0 (37.04 – 37.27)
- 0 (37.27 – 37.47)
- 0 (37.47 – 38.16)

**Pavement: Width and Type**
- 11' AC (36.14 – 36.89)
- 12' AC (36.89 – 37.04)
- 12' AC (37.04 – 37.27)
- 12' AC (37.27 – 37.47)
- 12' AC (37.47 – 38.16)
- 12' AC (39.44 – 39.55) | 24' AC (39.55 – 40.00)
- 36' AC (40.00)

**Shoulder: Width and Type**
- 2'–12' AC (36.14 – 36.89)
- 12' AC (36.89 – 37.04)
- 12' AC (37.04 – 37.27)
- 4' AC | 10'–12' Grass (37.27 – 38.16)
- 10'–12' Grass (38.16 – 39.44)
- 4' AC (39.44 – 40.00)
- 5' Conc. Bike Lane (40.00)

**Number of Traffic Lanes**
- 2–11' (35.24 – 36.27)
- 2–10.5' (35.51 – 36.27)
- 2–11' (36.27 – 37.18)
- 2–12' (37.18 – 39.44)
- 1–12' | 2–12' | 3–12' (39.44 – 40.00)

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**
- 1–10' T.L. (36.14 – 36.30)
- 12' T.Ls. (36.30 – 36.89)
- 12' T.Ls. (36.89 – 37.04)
- 12' T.Ls. (37.04 – 37.78)
- 12' T.Ls. (37.78 – 38.39)
- 12' T.Ls. (38.39 – 39.44)

**(Right Side)**
- 1–10' T.L. (36.14 – 36.30)
- 12' T.Ls. (36.30 – 36.89)
- 12' T.Ls. (36.89 – 37.04)
- 12' T.Ls. (37.04 – 37.78)
- 12' T.Ls. (37.78 – 38.39)
- 12' T.Ls. (38.39 – 39.44)

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**
- 3'–5' AC S.W. (35.24 – 36.16)
- 5' CONC S.W. | 7' AC (37.64 – 38.17)
- 6' Conc. S.W. (39.44 – 39.69)
- 6' Conc. S.W. (39.69 – 40.00)

**Curb and/or Gutter: Type (Right and Left)**
- M/M (37.39 – 37.64)
- M/C (37.64 – 38.00)
- M/C (38.00 – 38.13)
- M/C (38.13 – 38.22)
- M/M (38.22 – 38.42)
- M/M (38.42 – 38.68)
- M/M (38.68 – 38.86)
- M/M (38.86 – 38.96)

**Protective Devices: Type, Location and Number** M/M = Metal Rails on Metal Posts M/C = Metal Rails on Conc. Posts
- M/M (36.34 – 36.45)
- M/C (37.16 – 37.36)
- M/C (37.36 – 37.44)
- M/C (37.44 – 37.64)
- M/C (37.64 – 38.00)
- M/C (38.00 – 38.13)
- M/C (38.13 – 38.22)
- M/M (38.42 – 38.68)
- M/M (38.68 – 38.86)
- M/M (38.86 – 38.96)

**Illumination: Type, Location and Number**
- Incandescent (36.16 – 36.34)
- MV (36.34 – 36.45)
- 14 HPS (36.45 – 36.80)
- 24 HPS (36.80 – 37.16)
- HPS (37.16 – 39.42)
- MV (39.42 – 39.96)

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:** Small Urbanized (3) (Kaneohe/Kailua – 320)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**
- Rolling (35.49 – 35.54)
- Flat (35.54 – 37.89)
- Rolling (37.89 – 39.96)

**Speed: 1–Design, 2–Posted**
- 35 MPH (2) (35.49 – 36.16)
- 45 MPH (2) (36.16 – 39.41)
- 35 MPH (2) (39.41 – 39.96)

**Intersection Control Devices: Type, Location and Cycle Timing**
- 3 Phase (36.16 – 36.34)
- 3 Phase (36.34 – 37.36)
- (School Zone – 25 MPH (2)) (37.36 – 37.72)
- 3 Phase (37.72 – 39.41)
- (B72 0083 03955) 2 Phase | 3 Phase (39.41 – 39.96)

**Traffic Stations (Current Year)**
- B72 0083 03431 (35.24 – 35.54)
- B72 0083 03554 (35.54 – 36.13)
- B72 0083 03604 (36.13 – 36.34)
- B72 0083 03630 (36.34 – 36.80)
- B72 0083 03660 (36.80 – 37.20)
- B72 0083 03736 | B72 0083 03745 (37.20 – 37.36)
- B72 0083 03753 (37.36 – 37.99)
- B72 0083 03820 (37.99 – 39.74)
- B72 0083 03910 (39.74 – 39.96)
- B72 0083 03940 (39.96 – 40.00)
- B72 0083 03959 (40.00)
- B72 0083 03921 (40.00)

**HPMS Sections – AADT 2007**
- 17,575 (35.24 – 35.54)
- 17,070 (35.54 – 36.16)
- 21,820 (36.16 – 37.36)
- 28,990 (37.36 – 39.74)
- 31,010 (39.74 – 40.00)
- (40,400)

**HPMS Sections – AADT 2006**
- 17,400 (35.24 – 35.54)
- 16,900 (35.54 – 36.16)
- 21,600 (36.16 – 37.36)
- 28,700 (37.36 – 39.74)
- 30,700 (39.74 – 40.00)
- (40,000)

**HPMS Sections – AADT 2005**
- 17,200 (35.24 – 35.50)
- 16,729 (35.50 – 36.20)
- 21,351 (36.20 – 37.36)
- 28,394 (37.36 – 39.74)
- 30,366 (39.74 – 40.00)
- (39,610)

**DOD Sections**
- 35.54
- DOD 341 (35.54 – 36.04)
- 36.04
- 36.32
- 36.60
- 37.36
- 37.46
- 37.53
- DOD 345 (37.53 – 38.20)
- 38.20
- 39.10
- 39.40
- 39.55
- 39.69
- 39.92

**Census Tracts**

**Functional Classification**
- Principal Arterial (14) (35.24 – 39.96)

**National Highway System (NHS)**
- On NHS (1) (35.24 – 39.96)

**Previous Projects: Project No., Date and Limits**
- 39.42 83F–01–86, Imprv. 1987
- 35.54 83EF–02–86, (Reconstruct & Resurface) 1987
- HES–ROS–083–1(12), (Safety Imprv.) 1986
- 83E–01–74 (R) 1975
- 35.57
- 83E–01–73(W), 1975
- 36.32
- County Project
- 36.18
- 242 + 50
- BD 67–320 1969
- 37.20 83F–01–88M, (R) 1988
- 38.12
- 37.63 HES–083–1(16), 1981
- 38.04
- 37.18 FR–083–1(14), (R) 1981
- 38.31
- 37.24
- 186 + 45
- County Project

SCALE: (In Miles) 4" = 1 mile

# ROAD INVENTORY

# OAHU RTE 83

## KAHEKILI HWY., LIKELIKE HWY., KAMEHAMEHA HWY.

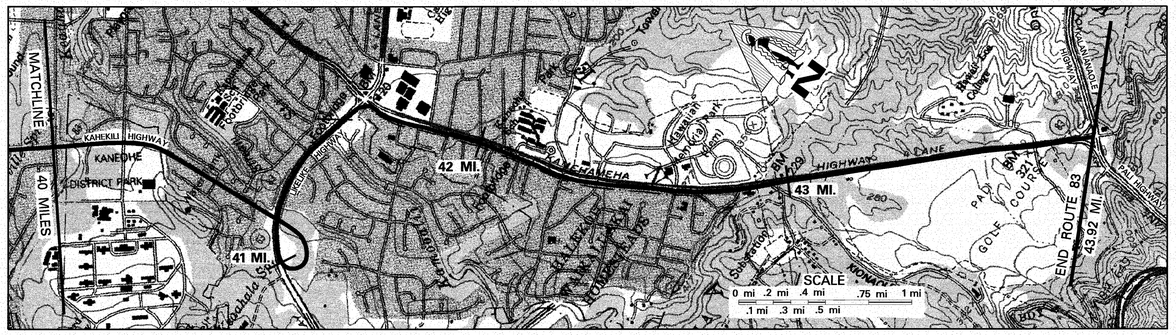
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

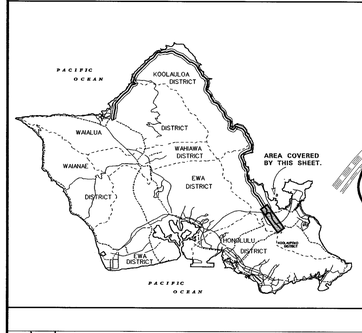
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

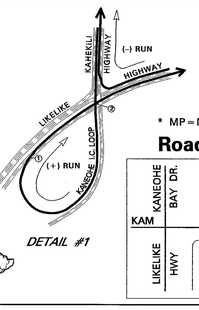
| | | |
|---|---|---|
| Total Designated Route Length: | 43.92 | MILES (a+b) |
| a. Existing Length: | 43.92 MILES | |
| b. Proposed Length: | 0.00 MILES | |
| Total Travel Way Length: | 43.92 | MILES (a+b, less c) |
| a. Existing Length: | 43.92 MILES | |
| b. Temporary Length: | 0.00 MILES | |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



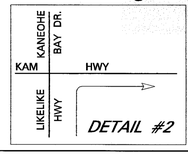

SCALE: (In Miles) 4" = 1 mile



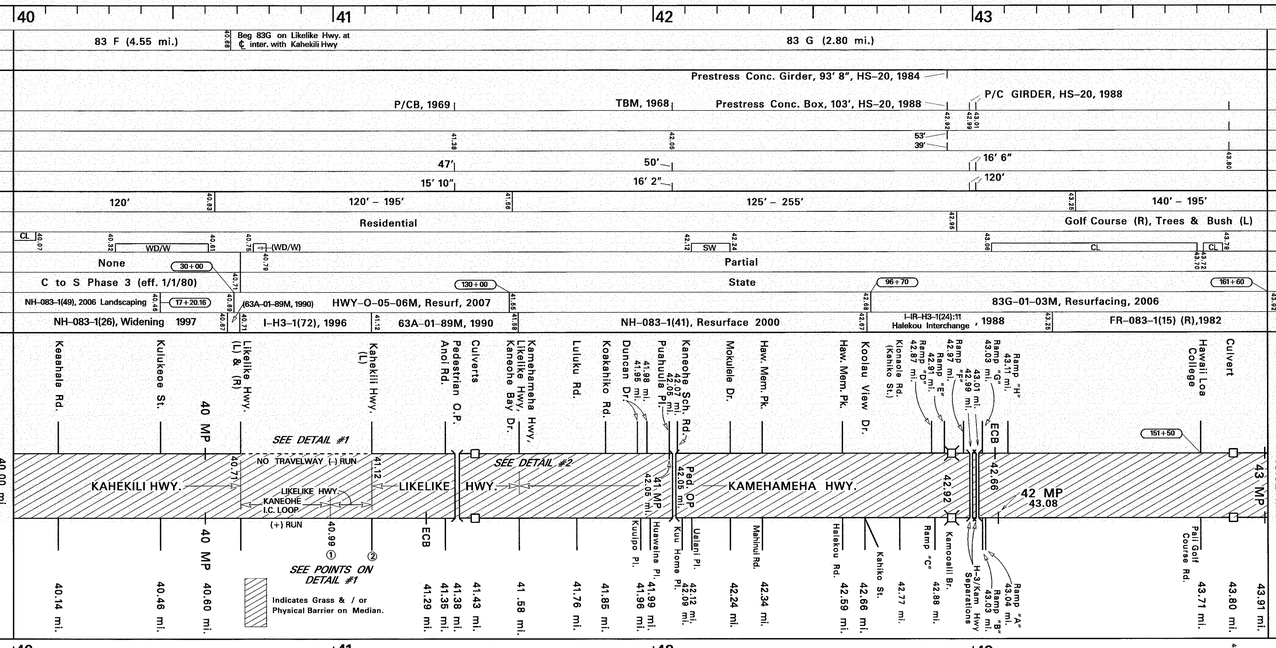

* MP = Milepost Signage

**Road Diagram**

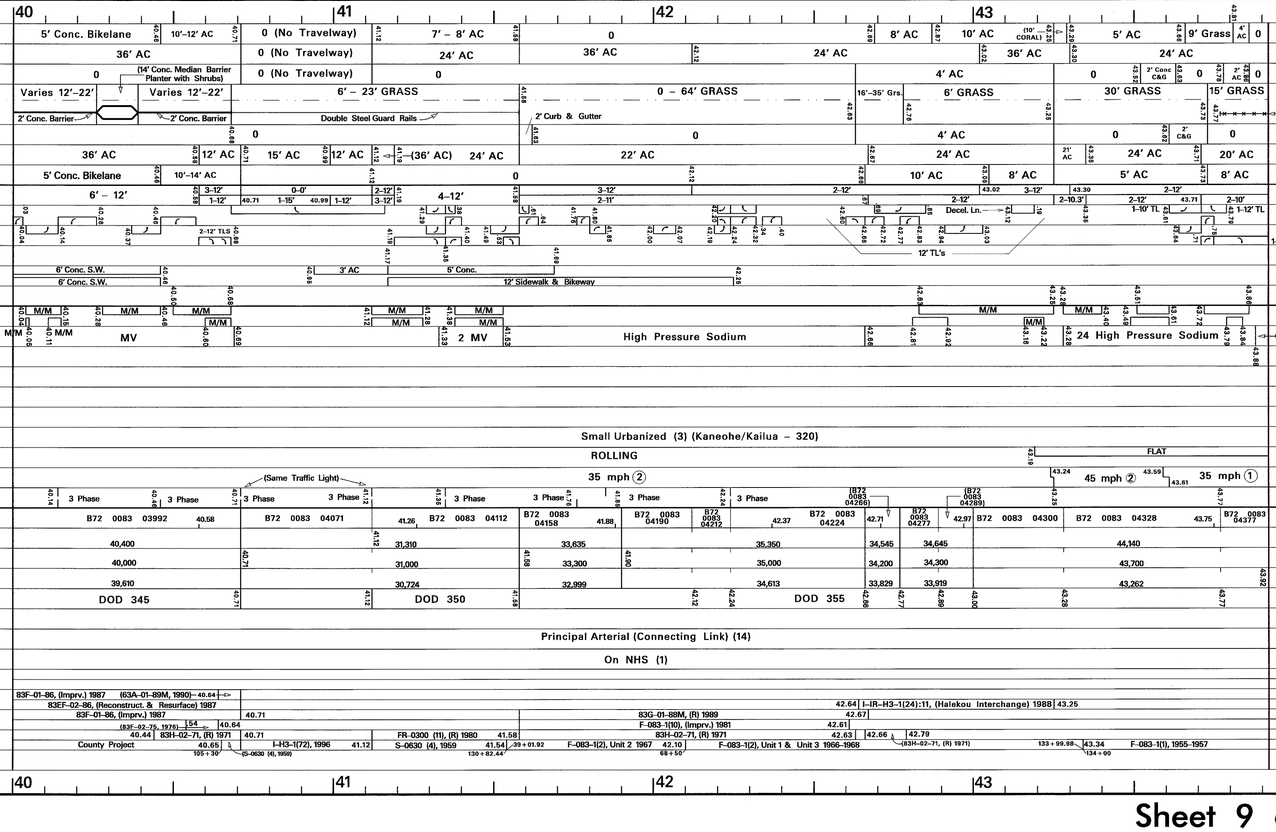



ROUTE CONTINUED FROM SHEET #8.

END ROUTE 83 ON KAMEHAMEHA HWY. AT THE NORTHWEST EDGE OF PAV'T OF KALANIANAOLE HWY. & PALI HWY (RTE 61).




SCALE: (In Miles) 4" = 1 mile




SCALE: (In Miles) 4" = 1 mile




| Date Released |
|---|
| Jan 2003, DB |
| **Revised** |
| 6/06 DB |
| 3/07 DB |
| 12/07 DB |

# ROAD INVENTORY

# OAHU RTE 92
# NIMITZ HWY., AND ALA MOANA BLVD.

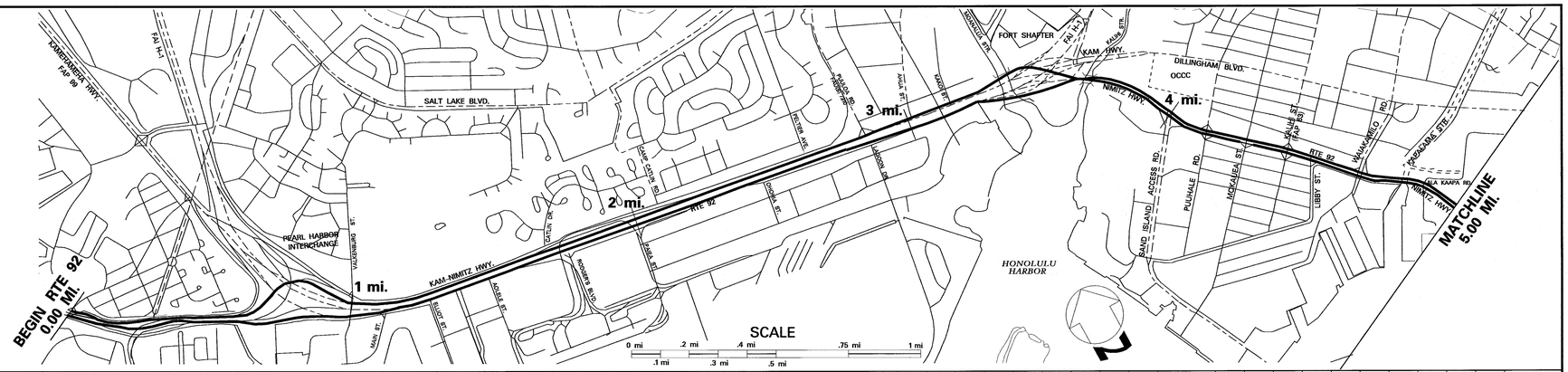
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 9.26 | MILES (a+b) |
| a. Existing Length: | 0.00 | MILES |
| b. Proposed Length: | 9.26 | MILES |
| Total Travel Way Length: | 9.26 | MILES (a+b, less c) |
| a. Existing Length: | 9.26 | MILES |
| b. Temporary Length: | NONE | MILES |
| c. Length used as T.W. for another Route: | NONE | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

0 1 2 3 4 5

Maintenance Control Sections : Length and Description — BEG. 92 A ON NIMITZ HWY. AT PEARL HARBOR MAIN GATE | 92 A (8.64 MI)

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed — TBM, 1946 HS–20 216' | TBM, 1945 HS–20–44 189' | SLAB, HS20, 1957 142'

Vertical Clearance

Horizontal Clearance — 56' | 115' | 38' | 38'

**Structure Over Road**

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies — 90'–100' | 60'–160'

Available Right of Way Width (Needs Study) — MILITARY RES. | INDUSTRIAL/COMMERCIAL

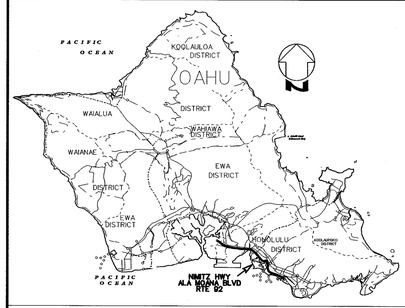
Right of Way Fence: Type – Right and Left — CL 8' FP | CL 8' FP | CL 8' FP

Control of Access: 1–None, 2–Partial, 3–Full — NONE

Jurisdiction, Transfer Phase No. and Date (C to S or S to C) — STATE

Project No., Type of Construction, and Year Constructed — IR-H1-1(210):17 1992 (Trestle) | (NH-H1-1(246) Zipper Ln. Ext., 2006) | STP–092–1(24), Resurface 2000 | 92A–03–03M, Resurface, 2006

Project No., Type of Construction, and Year Constructed — NH–092–1(22), 1995(R) | A–92–01–64, 1964(R) | I–H1–1(133):17,1984 PARTIAL CONST. | 92A–01–00, Imprv. 2003 | 92A–01–03, Contra–Flow Constr. 2003

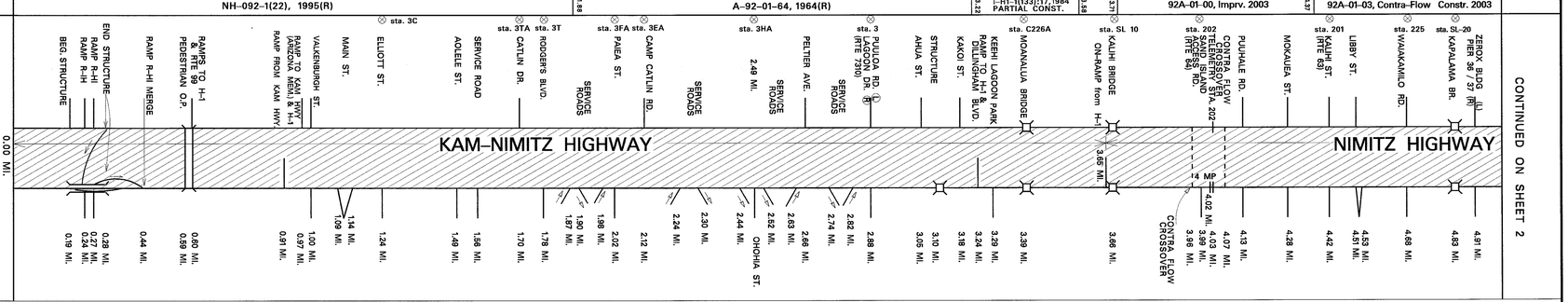



Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

BEGIN RTE 92 ON NIMITZ HWY. AT PEARL HARBOR MAIN GATE. (At sentry guardhouse) 0.00 MI.




CONTINUED ON SHEET 2

SCALE: (In Miles) 4" = 1 mile

0 1 2 3 4 5

**Divided Highway — Undivided**

Shoulder: Width and Type — 4' AC | 8' AC | 10' AC | 8' AC | 0 | 8' DIRT | 8' GRASS | 5' AC | NONE | 5' AC BIKE LANE

Pavement: Width and Type — 36' AC | 60' AC | 36' AC | 12' AC | 36' AC | 48' AC | 36' AC | 48' AC | 36' AC | 48' AC | 36' AC | 48' AC | 36' AC | 24' AC | 48' AC | 36' AC | 34' AC | 33' AC

Shoulder: Width and Type — 18' AC | 4' AC | 10' AC | 12' AC | 0 | (CROSSOVER 2) | (CROSSOVER 3) | NONE

Median: Width and Type — 4' CONCRETE BARRIER | MEDIAN VARIES CONCRETE BARRIER | 4' CONCRETE BARRIER | MEDIAN VARIES (CONC BARRIER) | STEEL GUARD RAIL ON 4' CONC GUTTER | 3' CONC BARRIER W/2' CONC GUTTER | 6' GRASS & SHRUBS | 20' GRASS/SHRUBS | 28' GRASS

Shoulder: Width and Type — 6' AC | 12' AC | 0' | 0' | (36' AC) | NONE

Pavement: Width and Type — 36' AC | 60' AC | 12' AC | 36' AC | 48' AC | 36' AC | 48' AC | 60' AC | 48' AC | 36' AC | 48' AC | 36' AC | 48' AC | 36' AC | 48 AC | 24' AC | 12' AC | 48' AC | 33' AC | 34' AC | 33' AC

Shoulder: Width and Type — 4' AC | 8' AC | 12' AC | 6' AC | 0' | 10' GRAVEL | NONE | 5' AC BIKE LANE

Number of Traffic Lanes — 3–12' | 3–12' | 5–12' | 3–12' | 1–12' | 1–12' | 3–12' | 4–12' | 5–12' | 4–12' | 3–12' | 2–12' | 1–12' | 4–11' | 2–11',1–12' | 3–11'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — ALL TURNING LANE 11' AC | TURN LNS. | 2 TURN LNS.

(Right Side)

Frontage Road: No. of Lanes, and Width (Right and Left)

Sidewalk: Width and Type (Right and Left) — WALKWAY/BIKEWAY — 8' AC | 10' AC WALKWAY/BIKEWAY | 3' CONC. SW. | 5' CONC SW. | NONE | 6'-9' CONC. SW.

Curb and/or Gutter: Type (Right and Left) — CURB & GUTTER | C&G | CURB

Protective Devices: Type, Location and Number — METAL ON METAL

Illumination: Type, Location and Number — 2 M.V. 4 M.V. | 191 HPS Lamps

Curves: Degree of Curvature (Right and Left)

~~Superelevation (Range)~~ Conta–Flow/HOV Lane — (VARIABLE MESSAGE SIGN: 5:30-8:30 AM, MON.-FRI.) | 11' AC, CONTRA-FLOW LANE: HOV LANE, 2 OR MORE, MOTORCYCLES O.K.

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: — LARGE URBANIZED (4) (HONOLULU – 52)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous — FLAT

Speed: 1–Design, 2–Posted — 35 MPH ②

Intersection Control Devices: Type, Location and Cycle Timing — 3 Phase | 2 Phase | 2 Phase | 3 Phase

Traffic Stations (Current Year) — B72 0092 00000 | B72 0092 00034 | B72 0092 00043 | B72 0092 00061 | B72 0092 00072 | B72 0092 00092 | B72 0092 00097 | B72 0092 00102 | B72 0092 00288 | B72 0092 00305 | B72 0092 00322 | B72 0092 00337 | B72 0092 00364 | B72 0092 00399 | B72 0092 00468

HPMS Sections – AADT 2007 — 18,485 | 41,210 | 8,990 | 39,895 | 36,970 | 52,825 | 62,420 | 36,970 | 28,785 | 81,205 | 72,620 | 73,935

HPMS Sections – AADT 2006 — 18,300 | 40,800 | 8,900 | 39,500 | 36,600 | 52,300 | 61,800 | 36,600 | 28,500 | 80,400 | 71,900 | 73,200

HPMS Sections – AADT 2005 — 18,080 | 40,420 | 8,821 | 39,129 | 36,293 | 51,820 | 61,140 | 36,251 | 28,182 | 79,555 | 71,220 | 72,511

DOD Sections — DOD 240 | DOD 245 | DOD 250 | DOD 255 | DOD 260 | DOD 265

Census Tracts — 74 | 73 | 72 | 71 | 70 | 69 | 72 | 68.03 | 66 | 59 | 58 | 57

Functional Classification — PRINCIPAL ARTERIAL (14)

National Highway System (NHS) — ON NHS (1) | NOT ON NHS (0) | ON NHS (1)

Previous Projects: Project No., Date and Limits — 92A–01–03, Contra–Flow Constr. 2003 | 92A–01–90M, 1991, RESURF. | I–H1–1(131):17 NEW CONST. 1982 | 92A–01–78M, 1979, RESURF.

I–H1–1(99):15, 1981 | A–92–01–64, 1964(R) | I–H1–1(133):17 PARTIAL CONST. 1982 | DANR–10E(1) 1944 | DANR–5(1) 1945 | SNAF 44–(4), 1949

SN–FAP S–E(3), 1940 | DA–NR–10A(1), 1943 | DA–NR–10A(1), 1943, 44 | DANR–5(1) 1944 | DAWR–5(1) 1944 | SN FAP 44A(2), 1943 | F–092–1(2), 1956,57

SCALE: (In Miles) 4" = 1 mile

0 1 2 3 4 5

| Date Released |
|---|
| August 1999 |

| Revised | |
|---|---|
| R.T. | 08/99 |
| D.B. | 4/04 |
| D.B. | 8/04 |
| D.B. | 6/06 |
| D.B. | 3/07 |

# ROAD INVENTORY

# OAHU RTE 92
# NIMITZ HWY., AND ALA MOANA BLVD.

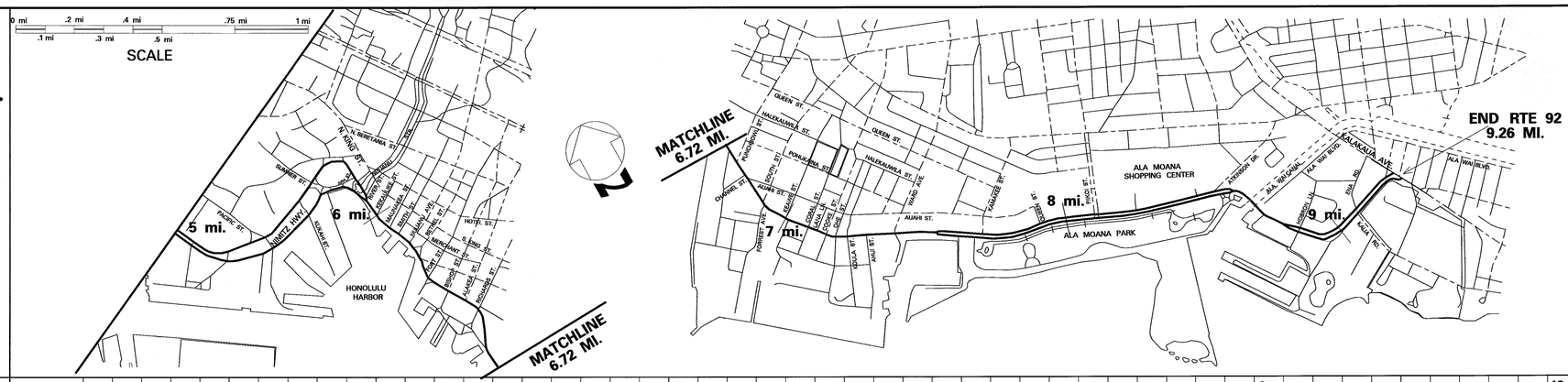
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 9.26 | MILES (a+b) |
| a. Existing Length: | 9.26 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 9.26 | MILES (a+b, less c) |
| a. Existing Length: | 9.26 | MILES |
| b. Temporary Length: | NONE | MILES |
| c. Length used as T.W. for another Route: | NONE | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description: 92 A (8.64 MI.) | END 92A – BEG 92B AT THE N. END OF ALA WAI BRIDGE 8.64 | 92 B (0.62 MI.) | END 92B SAME AS END ROUTE

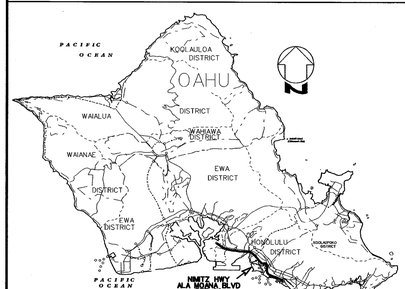
**Structure Carrying Road**

- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: SLAB 1952 HS 20 192' | (L) TEE BEAM 1932 H20 152' | (R) TEE BEAM 1952 HS 20 217 | SLAB 1952 HS 20 182' 200' 250' 61' | TEE BEAM 1939 (1970) H-20 166'
- Vertical Clearance
- Horizontal Clearance: 55' 65' 51' | 51' 51' 51' 51' | 80'

**Structure Over Road**

- Vertical Clearance
- Horizontal Clearance

- Right of Way Width (min.–max.) if varies: 60' – 160' (5.28) | 75 (O.B.) 100 (I.B.) (5.56) | 140' – 155' (6.31) | 125' – 136' (6.78) | 100'
- Available Right of Way Width (Needs Study): INDUSTRIAL / COMMERCIAL | COMMERCIAL AREA (8.56) | HOTEL
- Right of Way Fence: Type – Right and Left: 15–20' FP | 10' FP | 5' FP | 8' FP (5.74) | CL – 8' FP (6.56) | SW 8' FP (7.05) | STONEWALL 8' FP (8.15) | NONE
- Control of Access: 1–None, 2–Partial, 3–Full: NONE
- Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE | (121+10 to 139+40) | STATE PHASE II (6.98) | STATE (7.42) | COUNTY (8.07)
- Project No., Type of Construction, and Year Constructed: (92A–01–07M, Beutification, 2008) (6.90) | NH–092–1(26) Moder. 2005 (8.19) | 92AB–01–92M, 1993(R) (8.43)
- Project No., Type of Construction, and Year Constructed: 92A–01–03, 2003 CONTRA-FLOW CONSTR. (5.27) | NH–092–1(25) (Rehab), 2004 (5.77) | 92AB–01–06M, Resurf., 2007 (6.58) | (92AB–01–92M, 1993(R)) (8.19) | 92A–01–97 Imprv., 1998 (8.68) | 92A–01–82M, 1982 (R) (9.21)

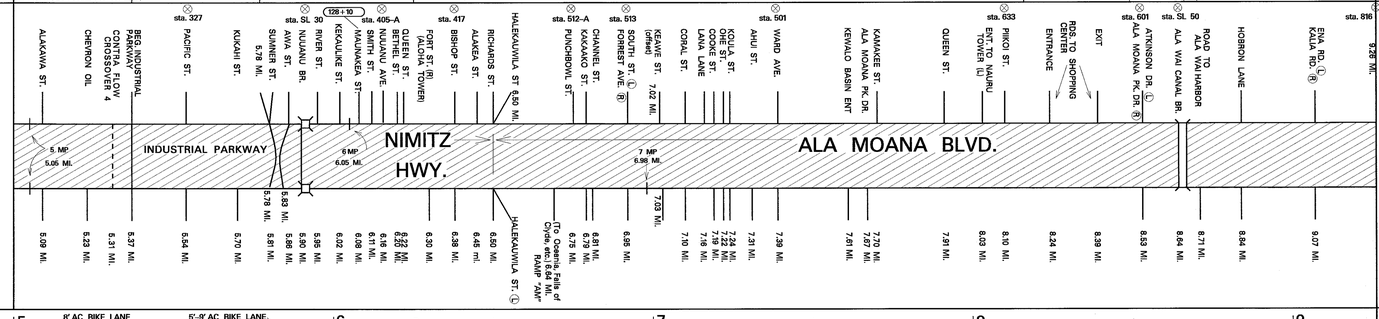



Indicates Grass or Physical Barrier on the Median

**Road Diagram**

* MP = Milepost Signage

CONTINUED FROM SHEET 1




END RTE 92 ON ALA MOANA BLVD. AT THE SOUTHWEST EDGE OF PAVEMENT OF KALAKAUA AVE. 9.26 MI.

SCALE: (In Miles) 4" = 1 mile

**Divided Highway – Undivided**

- Shoulder: Width and Type: 5' AC BIKE LANE (5.23) | 5'–9' AC BIKE LANE | 5' AC BIKE LANE (5.80) | (6' AC BIKE LANE) | 4' AC BIKE LANE | 5' BIKE LANE (6.47) | 6' AC (6.67) | NONE
- Pavement: Width and Type: 33' AC | 44' AC | 34' AC | 45' AC | 44' AC | 36' AC | 35' AC | 34' AC | 30' AC | 32' AC | 12' PCC 20' AC | 14' PCC 22' AC | 11' PCC 24' AC | 36' AC | 33' AC | 36' AC
- Shoulder: Width and Type: (CROSSOVER 4) | CURB & GUTTER | NONE | CURB & GUTTER | NONE | 6' CONC. BARRIER | 4' AC | 0
- Median: Width and Type: 28' GRASS | INDUSTRIAL PARK TYPE OF MEDIAN – COMMERCIAL BUSINESS OCCUPIED | 8'–16' GRASS w/ Coco-nut Trees | 10'–15' GRASS w/ Coco-nut Trees | 4'–12' GRASS | (6'–16' PAINTED MEDIAN (FLUSH)) | 11' PAINTED | 12'–15' COMB. FLUSH/RAISED PAINTED AC MED. | 20' GRASS (FLUSH) | 3' RAISED AC W/ PCC CURB | 22' GRASS RAISED | 20' GRASS
- Shoulder: Width and Type: NONE | CURB & GUTTER | C&G | C&G | C&G | (34' AC) | 0 | 3' AC | C&G | 0
- Pavement: Width and Type: 33' AC | 44' AC | 36' AC | 35' AC | 32' AC | 31' AC | 32' AC | 31' AC | 36' AC | 33' AC | 36' AC | 24' AC
- Shoulder: Width and Type: 5' AC BIKE LANE | 8' AC BIKELANE | 5' AC BIKE–LANE | 4' AC BIKE LANE | (5' AC BIKELANE) | NONE

- Number of Traffic Lanes: 3–11' | 4–12' | 4–11' | (2–11.5', 2–11') | 3–12' | (2–11', 1–13') | 2–11', 1–13' | 3–11' | 2–10', 1–12' | 2–11', 1–12' | 3–11' | 2–10', 1–12' | 2–10', 1–11' | 1–12', 2–10' | 1–14', 2–11' | 1–11', 2–12' | 3–12' | 3–11' | 3–12' | 2–12'
- Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): (2–11.5', 1–11') | 1–14' TL | 2–10' TL | 2–12' TL | 1–12' TL | 12' RAMP "N" | 15' RAMP "M" | 10' | BUS STOP | 2–9' TL's
- (Right Side): ALL TURNING LANES 11' AC
- Frontage Road: No. of Lanes, and Width (Right and Left)
- Sidewalk: Width and Type (Right and Left): NONE | 6'–8' 7' CONCRETE SIDEWALK (L) (R) | CONCRETE SW. | 10' CONC. S.W. | 8' SW. | 6'–8' CONC. | 3' CONC. | 6'–8' CONCRETE SW. | 3'–7' CONCRETE SIDEWALK
- Curb and/or Gutter: Type (Right and Left): CURB | C&G | CURB & GUTTER (L) (R) | PCC CURB & GUTTER (L) (R) | C&G CURB ONLY | C&G (L) (R)
- Protective Devices: Type, Location and Number: NONE | 1.3' CONC. BARRIER | CONCRETE GUARDRAIL
- Illumination: Type, Location and Number: 191 HPS LAMPS | 7 M.V. 3 M.V. | 18 M.V. | 130 HPS | 58 M.V.
- Curves: Degree of Curvature (Right and Left)
- ~~Superelevation (Range)~~ Conta–Flow/HOV Lane: 11' AC (CONTRA-FLOW LANE: HOV LANE, 2 OR MORE, MOTORCYCLES O.K.)
- Grades: % Grade, Positive or Negative
- Vertical Curve: Crest or Sag, Curve Limits
- Area and Development: LARGE URBANIZED (4) (HONOLULU – 52)
- Terrain: 1–Flat, 2–Rolling, 3–Mountainous: FLAT
- Speed: 1–Design, 2–Posted: 35 MPH (2) | 25 MPH (2)
- Intersection Control Devices: Type, Location and Cycle Timing: All Traffic Lights – 3 Phase unless otherwise noted. (2 Ph. | 2 Ph. 2 Ph. | 2 Ph. 2 Ph. | 2 Ph. 2 Ph. | 2 Ph. | 3 Ph. 2 Ph.)
- Traffic Stations (Current Year): B72 0092 00468 | B72 0092 00526 | B72 0092 00537 | 5.64 | B72 0092 00564 | 5.96 | B72 0092 00586 | B72 0092 00638 | 6.70 | B72 0092 00669 | B72 0092 00683 | 7.34 | B72 0092 00739 | 7.91 | B72 0092 00751 | 8.02 | B72 0092 00810 | 8.40 | B72 0092 00853 | 8.68 | B72 0092 00871 | 9.02 | B72 0092 00908 | 9.22
- HPMS Sections – AADT 2007: 73,935 | 73,330 | 70,400 | 58,885 | 58,280 | 51,005 | 56,965 | 57,065 | 41,615 | 35,050 | 26,465
- HPMS Sections – AADT 2006: 73,200 | 5.26 | 72,600 | 69,700 | 58,300 | 57,700 | 50,500 | 56,400 | 56,500 | 41,200 | 34,700 | 26,200
- HPMS Sections – AADT 2005: 72,511 | 71,893 | 5.86 | 68,994 | 6.38 | 57,698 | 6.81 | 57,160 | 7.39 | 50,025 | 7.51 | 55,847 | 8.10 | 55,945 | 8.53 | 40,743 | 8.71 | 34,315 | 9.08 | 25,976 | 9.26
- DOD Sections: 5.57 | DOD 265 | 5.64 | 5.86 | 6.38 | 6.69 | DOD 270 | 7.51 | 8.10 | DOD 275 | 9.08
- Census Tracts: 57 | 5.96 | 52 | 6.18 | 40 | 6.52 | 39 | 6.98 | 7.23 | 38 | 7.42 | 7.67 | 37 | 8.69 | 19.02 | 19.01
- Functional Classification: PRINCIPAL ARTERIAL (14)
- National Highway System (NHS): ON NHS (1)
- Previous Projects: Project No., Date and Limits: 92A–01–78M, 1979 RESURF. (5.54) | 92A–01–90M, 1991 RESURF. | 7.05 | 92AB–01–92M, 1993(R) (8.49) | (HES–092–1(19), 1985 (IMPR. OUTS. LNS.)) 5.80 | 5.83 | 6.40 | EHS–U–092–1(11), 1976 6.78 | 6.95 | (HHS–092–12, 1979) | F–092–1(15) (R), 1981 (8.70) | FR–092–1(17), 1982(R) (9.06) | 92A–01–90M, 1991 Resurface | (92A–02–70, 1972) 7.05 | 5.80 | (U–092–1(8), 1971) | 7.08 | 92A–02–70, 1972 | 920A–01–74, 1974 RESURF. | F–092–1(2),1956, 57 | 5.26 | FU 44 (3) U–1, 1948, 50 | 5.76 | FU 44 (3) U–2, 1950, 53 | FU 44 (5) U–2, 1950, 52 | U 44 (6), 1951 | COUNTY | 8.68 | 67+94.27 | U44(9), 1952 | 98+74.26

ALL SIDEWALKS CONCRETE
A = CONC. CURB, 2' AC GUTTER
C = CONC. CURB, 2' CONC. GUTTER

SCALE: (In Miles) 4" = 1 mile

| Date Released |
|---|
| June 1999 |

| Revised | |
|---|---|
| R.T. | 08/99 |
| D.B. | 04/04 |
| D.B. | 08/04 |
| D.B. | 01/05 |
| G.N. | 05/06 |
| D.B. | 12/07 |
| D.B. | 2/09 |

# ROAD INVENTORY

# OAHU RTE 93
# FARRINGTON HWY

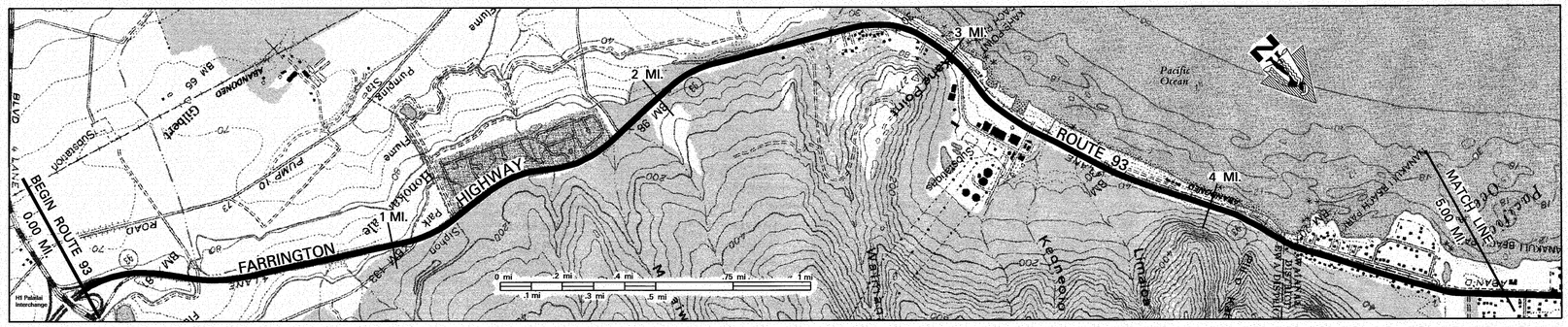
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 19.53 | MILES (a+b) |
| a. Existing Length: | 19.53 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 19.53 | MILES (a+b, less c) |
| a. Existing Length: | 19.53 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____


BEGIN ROUTE 93
0.00 MI.
FARRINGTON HIGHWAY
1 MI.
2 MI.
3 MI.
4 MI.
5.00 MI.
MATCH LINE
ROUTE 93
Pacific Ocean
Kaneohe
Waianae
Kahe Point
Honolulu
Pearl Harbor
Makaha
Nanakuli
Waianae
Makua
Lualualei
Waipahu
Ewa Beach
Barbers Point
Kapolei
Ewa
Waimanalo
Kailua
Kaneohe
Kahaluu
Waiahole
Waikane
Waiahole Stream
Waikane Stream
Kaneohe Stream
Kahaluu Stream
Waiahole Ditch
Waiahole Tunnel
Waiahole Pumping Station
Waiahole Ditch
Subsection
Pump 10
Pump 9
Pump 8
Pump 7
Pump 6
Pump 5
Pump 4
Pump 3
Pump 2
Pump 1
Ditch
Flume
Tunnel
Road
Lane
Blvd
Ave
St
Dr
Pl
Ct
Hi Palailai Interchange
Kaneohe Bay
Kaneohe Marine Corp Air Station
Kaneohe Bay Drive
Kamehameha Highway
Kahekili Highway
Waiahole Poi Factory
Waiahole Valley Road
Waiahole Valley Lookout
Waiahole Valley Rd
Waiahole Valley Rd Bridge
Waiahole Valley Rd Bridge
Waiahole Valley Rd Bridge

# ROAD INVENTORY

# OAHU RTE 93
# FARRINGTON HWY

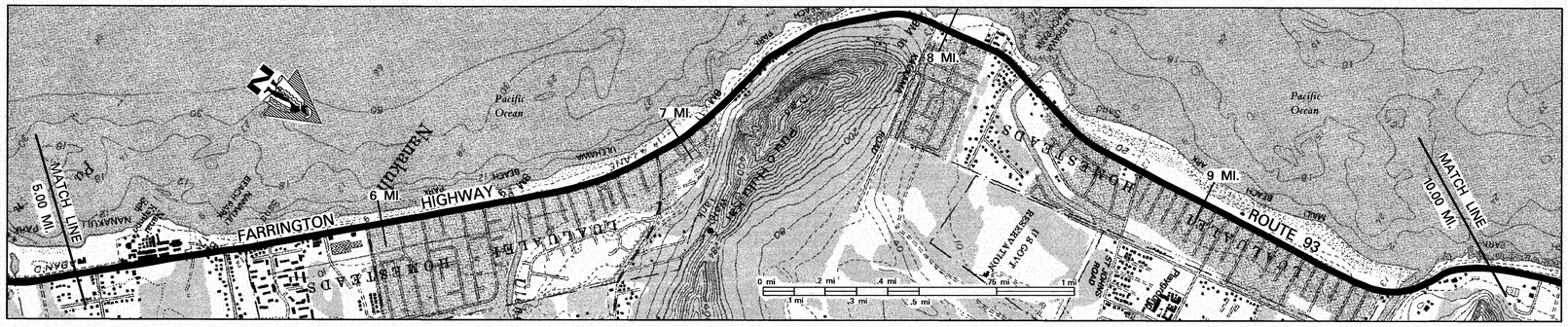
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 19.53 | MILES (a+b) |
| a. Existing Length: | 19.53 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 19.53 | MILES (a+b, less c) |
| a. Existing Length: | 19.53 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

Maintenance Control Sections : Length and Description

93A (11.31 mi.)

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed

CULVERT, HS–20, 1969 | OTH, HS–20, 1970 | OTH, HS–20, 1970 | CONT. CONC. SLAB, HS–20, 1976

Vertical Clearance

27' | 91' | 100' | 174'

Horizontal Clearance

5.98 | 6.40 | 8.32 | 9.70

**Structure Over Road**

Vertical Clearance

51' | 59' | 58' | 60'

Horizontal Clearance

Right of Way Width (min.–max.) if varies

61' – 130' (6.90) | 92' (9.63) | Varies 60' – 170'

Available Right of Way (Needs Study)

Residential Area | Brush (7.46 – 7.84) | Residential / Commercial

Right of Way Fence: Type – Right and Left

(Stone Wall) (L) & (R) | Stone Wall (5.11 – 5.28) | (7.42 – 7.50 (Stone Wall 10' FP))

Control of Access: 1–None, 2–Partial, 3–Full

None

Jurisdiction, Transfer Phase No. and Date (C to S or S to C)

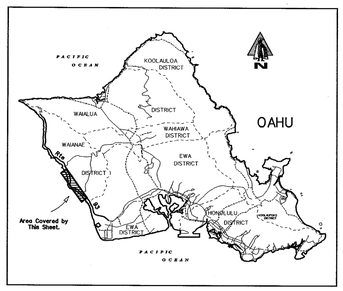
State

Project No., Type of Construction, and Year Constructed

STP–093–1(18), Safety Imprv., 2006

Project No., Type of Construction, and Year Constructed

93A–01–97M 1998 (R) (6.07) | (6.18 (STP–093–1(17), 1998 Inter. Imprv.)) | 93A–01–97M, 1998 (R) (6.09) | (8.44 – 9.17 (93A–03–97, Inter. Imprv. 1999))




**Road Diagram**

* MP = Milepost Signage

5.00 mi. CONTINUED FROM SHEET #1.

5 MP — Park Ent. — Nanakuli Ave. (R) — 5.13 mi.
Nanakaponoo School Ent. — 5.07 mi.
Nanakaponoo Con. Box Culvert — 5.02 mi.
Road to Beach Park — 5.29 mi.
Halaakala Ave. — 5.36 mi.
Helelua St. — 5.44 mi.
Nanaikeola St. — 5.49 mi.
Luaiuaiei Naval Rd. — 5.64 mi.
Maaloa St. — 5.78 mi.
Auyong HmStd. Rd. — 5.98 mi.
ACB (L) — 6.05 mi.
Aulani Pl. — 6.12 mi.
Begin Div. Hwy. — 6.15 mi.
Kahau St. — 6.20 mi.
Hailee Pl. — 6.22 mi.
Mohihi St. — 6.25 mi.
Uehanaa Br. — 6.32 mi.
End Div. Hwy. — 6.40 mi.
Begin Div. Hwy. — 6.45 mi.
Princess Kaiulani Ave — 6.51 mi.
ECB — 6.52 mi.
6.55 mi.
Paved Rd. — 6.60 mi.
End Div. Hwy. — 6.70 mi.
Luaiei Pl. — 6.75 mi.
Garden Groves — 6.80 mi.
Begin Div. Hwy. — 6.82 mi.
Hakimo Rd. — 6.90 mi.
Akowai Rd. — 6.96 mi.
Urban Bdry. — 7.01 mi.
7 MP — 7.06 mi.
Paved Roads — 7.01 mi.
Driveway — 7.16 mi.
Paved Roads — 7.42 mi.
County Baseyard — 7.52 mi.
7.67 mi.
7.74 mi.
Kaukama Rd. — 7.95 mi.
End Div. Hwy. — 8.06 mi.
ECB — 8.14 mi.
Hookele St. — 8.15 mi.
Maipalaoa Rd. — 8.22 mi.
Begin Div. Hwy. — 8.27 mi.
ECB — 8.32 mi.
End Div. Hwy. — 8.35 mi.
Road to Beach Park — 8.39 mi.
Manununu St. — 8.54 mi.
Begin Div. Hwy. — 8.67 mi.
Manulaula St. — 8.71 mi.
St. John's Road — 8.77 mi.
Liopolo St. — 8.82 mi.
End Div. Hwy. — 8.85 mi.
Pelekamana St. — 8.88 mi.
Glenn St. — 8.89 mi.
Kimo St. — 8.95 mi.
Begin Div. Hwy. — 9.00 mi.
Palani St. — 9.04 mi.
Malaioa St. — 9.08 mi.
Malaioa St. — 9.14 mi.
End Div. Hwy. — 9.16 mi.
Hila St. — 9.27 mi.
Kulihaa St. — 9.30 mi.
Begin Div. Hwy. — 9.32 mi.
Makaena St. — 9.36 mi.
End Div. Hwy. — 9.40 mi.
Mana St. — 9.42 mi.
ECB — 9.43 mi.
Lopikane St. — 9.46 mi.
Alapaki St. — 9.50 mi.
Pelenaki St. — 9.55 mi.
Kakalena St. — 9.59 mi.
Milikami St. — 9.64 mi.
Maliiiii Br. — 9.70 mi.
Maliiiii Rd. — 9.73 mi.
Beg. Div. Hwy. — 9.77 mi.
End Div. Hwy. — 9.84 mi.
C&C Baseyard — 9.97 mi.

CONTINUED ON SHEET #3. 10.00 mi.

SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

**Divided Highway**

Undivided

Shoulder: Width and Type — 4' AC | 10' Gravel

Pavement: Width and Type — 44' AC | 22' AC | 24' AC | 22' AC | 6' AC | 22' AC

Shoulder: Width and Type — 1' AC | 0 | (8'–10' AC) | 0 | 2.5' AC | 0 | 6'–8' AC | 0 | 6' AC | 8'–10' AC | 0 | 8'–10' AC | 0 | 8'–10' AC | 0 | 8'–10' AC | 0 | 8' AC

Median: Width and Type — 11' Paint | 12' Paint | 8' Paint | 2' Moveable Concrete Barrier | 11' Painted Median | 10' Paint | 10' Paint | 10' Paint | 10' Paint | 11' Painted Median

Shoulder: Width and Type — 0 | 0 | 0 | 2.5' AC | 0 | 0 | 0 | 0 | 0 | 0

Pavement: Width and Type — 22' AC | 24' AC | 22' AC | 22' AC | 22' AC | 22' AC | 22' AC | 22' AC

Shoulder: Width and Type — 1' AC | 8'–10' AC | 8'–10' AC | 4'–9' AC | 6'–8' AC | 6'–8' AC | 6' AC | 8'–10' AC | 6' AC | 10' Grv.

Number of Traffic Lanes — 4–11' | 4–12' | 4–11'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — 11' TL | 12' TLs | 1–10' (L) T.L. | 10' T.L. | 10' T.L. | 10' T.Ls | 11'

(Right Side)

Frontage Road: No. of Lanes, and Width (Right and Left)

Sidewalk: Width and Type (Right and Left) — 3' CONC SW | (8' Conc.) | 3'–5' AC | (4' Conc. Gutter) | 3' AC

Curb and/or Gutter: Type (Right and Left) — AC Curb

Protective Devices: Type, Location and Number — M/M = Metal Rail on Metal Post — M/M | Metal Pipe Railing

Illumination: Type, Location and Number — 190 HPS

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban (2)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous — (1) Flat | (1) Flat (2) Rolling | (1) Flat | (2) Rolling

Speed: 1–Design, 2–Posted — School Zone 25 MPH (2) | 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing — 3 Phase | 3 Phase | 2 Phase | 3 Phase | 2 Ph. | On Pedestrian Walk Light | 2 Phase | 2 Phase | 3 Phase | 3 Phase | 2 Phase | 3 Phase | 2 Phase | 3 Phase | 2 Phase | 3 Phase

Traffic Stations (Current Year) — (B72 0093 00481) B72 0093 00507 | B72 0093 00644 | B72 0093 00690

HPMS Sections AADT 2007 — (40,605) 39,895 | 38,280 | 33,735

HPMS Sections AADT 2006 — (40,200) 39,500 | 37,900 | 33,400

HPMS Sections AADT 2005 — (39,829) 39,140 | 37,500 | 33,111

DOD Sections — DOD 315 | DOD 320

Census Tracts

Functional Classification — Principal Arterial (14)

National Highway System (NHS) — On NHS (1)

Previous Projects: Project No., Date and Limits — F–093–1(7), (R) 1985 | 93A–01–86M, (R) 1987 | 93A–01–85M, (R) 1985 | (93A–01–88, Traffic Signals & Imprv. 1988) | STP–033–1(14), (R) 1997 | 93A–01–97M, (R) 1998 | (93A–03–86, Traf. Signals, 1987) | (93A–01–88, Traf. Sig. & Imprv., 1988) | 93A–02–90, 1993 Traf. Signal Improv. | 93A–01–86M, 1987 (R) | 93A–01–85M, 1985 (R) | B–900–01–64 Unit 2, 1968, 70 | 900B–02–68 UNIT1, 1969,70 | 900B–02–68 UNIT2, 1969 | 93A–02–70, 1974

SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

| Date Released |
|---|
| Sept 2002, DB |

| Revised | |
|---|---|
| Aug. 04 | D.B. |
| May 06 | G.N. |
| Mar 07 | D.B. |

# ROAD INVENTORY

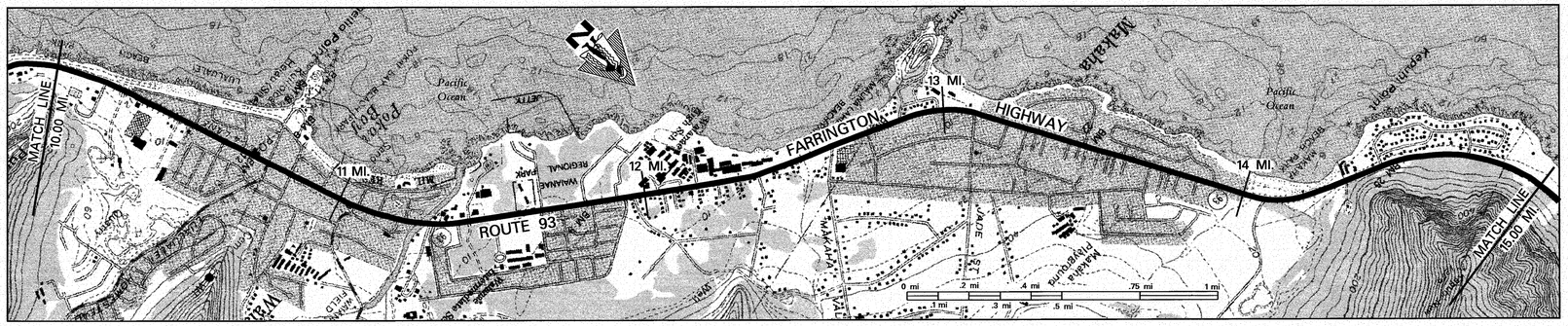
# OAHU RTE 93
# FARRINGTON HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

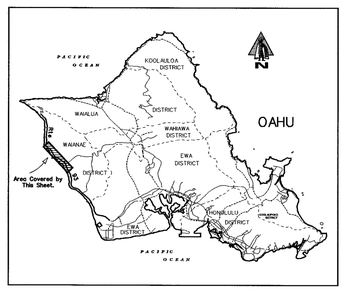
| | | |
|---|---|---|
| Total Designated Route Length: | 19.53 | MILES (a+b) |
| a. Existing Length: | 19.53 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 19.53 | MILES (a+b, less c) |
| a. Existing Length: | 19.53 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

| | | |
|---|---|---|
| Maintenance Control Sections : Length and Description | 93A (11.31 mi.) | End 93A & Begin 93B on Farr. Hwy. at North end of Kaupuni Bridge. (11.31) — 93B (4.34 mi.) |
| Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed | TBM, HS–20, 1965 (147′) | PRESTRESSED SLAB HS–20–44, 1989 (58′) — SLAB, H–15, 1937 (24′) — TS, H–15, 1937 (60′) — TS, H–15, 1937 (78′) |
| Structure Carrying Road — Vertical Clearance | 11.38 | 12.48 — 12.78 — 14.02 — 14.10 |
| Structure Carrying Road — Horizontal Clearance | 28′ | 60′ — 40′ — 24′ — 24′ |
| Structure Over Road — Vertical Clearance | | |
| Structure Over Road — Horizontal Clearance | | |
| Right of Way Width (min.–max.) if varies | 60′–170′ (10.81) | 60′ (13.30) — 80′ (14.01) — 60′–85′ |
| Available Right of Way Width (Needs Study) | | Residential Area |
| Right of Way Fence: Type – Right and Left (CL=Chain Link, FP=From Pavement) | CL (10.06) 15′ FP | (11.51) CL (11.66) 15′ FP |
| Control of Access: 1–None, 2–Partial, 3–Full | | None |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | | State (107+85) — (173+17) (14.01) |
| Project No., Type of Construction, and Year Constructed | | (12.78) 93B–01–03M, Resurface, 2008 |
| Project No., Type of Construction, and Year Constructed | | STP–093–1(18), Safety Improvements, 2006 |




**Road Diagram**

* MP=Milepost Signage

CONTINUED FROM SHEET #2.

10.00 mi.

Beach Park Rd. 10.05 mi. | Rd. to Waianae Mall 10.14 mi. | Driveway to Waianae Mall 10.19 mi. | Beg. Div. Hwy. 10.27 mi. | Waste Water Treatment Plant 10.26 mi. | Leihoku St. | Ala Poko St. 10.33 mi. | Puhano St. 10.47 mi. | Glennmonger St. 10.59 mi. | Hmstd. Rd. 10.65 mi. | Lualualei 10.75 mi. | Waianae Valley Rd. 10.83 mi. | Bay View St. 10.94 mi. | Guard St. 11.04 mi. | Old Gov't. Rd. 11.07 mi. | Army St. 11.11 mi. | Old Gov't. Rd. 11.19 mi. | Beg. Div. Hwy. 11.24 mi. | Kaupuni Br. 11.28 mi. | Kaupuni St. 11.33 mi. | Ala Hema St. | Ent. to Waianae Library 11.39 mi. | Waianae District Park 11.46 mi. | Kaulokalani Pl. 11.53 mi. | Ent. to Waianae High School 11.56 mi. | Ala Walua St. 11.73 mi. | Waianae State Boat Harbor 11.67 mi. | Ent. to Playing Field 11.87 mi. | Ala Akau St. 11.93 mi. | Kauluwaha Rd. 11.96 mi. | Roads to Waianae High School 12.03 mi. | Alawa Pl. 12.12 mi. | 12.17 mi. | 12.20 mi. | Telemetry Counting Sta. 015 12.34 mi. | Malulu Rd. 12.42 mi. | Makaha Br. #2 12.48 mi. | Makaha Valley Rd. 12.62 mi. | Makaha Bridge End Div. Hwy. 12.71 mi. | Orange St. | Culvert 12.72 mi. | Lahilahi St. 12.84 mi. | 12.87 mi. | 12.98 mi. | Jade St. 13.09 mi. | Culvert 13.17 mi. | Rd. to Nalu Nani Court 13.22 mi. | Culvert 13.26 mi. | Moua St. 13.46 mi. | Moua St. 13.59 mi. | Kiapa Pl. 13.61 mi. | Upena St. 13.69 mi. | Kapakai St. 13.73 mi. | Water St. 13.86 mi. | Culvert 13.87 mi. | Upena St. 14.02 mi. | Makaha Br. #3A 14.07 mi. | Kili Dr. 14.10 mi. | Makaha Br. #3 14.28 mi. | Rd. to Makaha Beach Restrooms 14.34 mi. | Rd. to Hawaiian Tel 14.44 mi. | Makau St. 14.54 mi. | Culvert 14.63 mi. | ECB (R) 14.75 mi. | Lawaia St. 14.95 mi. | Culvert 15.00 mi.

FARRINGTON HIGHWAY

CONTINUED ON SHEET #4.

| | | |
|---|---|---|
| Divided Highway — Undivided — Shoulder: Width and Type | 10′ Gravel — 1′ AC — 4′ AC — 8′ Gravel — 6′–8′ AC — 0 (36′ AC) — 3′ AC Bike Lane — 4′ AC — 16′–20′ AC — 10′ Dirt — 12′ Grass — 8′–10′ Grass | (8′ Coral) |
| Undivided — Pavement: Width and Type | 44′ AC — 24′ AC — 48′ AC — 44′ AC — 22′ AC — 20′ AC — 21′ AC — 20′ AC | |
| Undivided — Shoulder: Width and Type | 8′ AC — 0 — 8′ AC — 0 — 0 — 4′ AC — 8′ Coral — 8′ Grass — 8′–12′ Dirt | |
| Divided — Median: Width and Type | (0′–10′ Paint) — 0′–10′ Paint | |
| Divided — Shoulder: Width and Type | 0 — 0 | |
| Divided — Pavement: Width and Type | 24′ AC — (24′ AC) — 22′ AC — 20′ AC | |
| Divided — Shoulder: Width and Type | 8′ AC — 3′ AC Bike Lane | |
| Number of Traffic Lanes | 4–11′ — 4–12′ — 4–11′ — (2–12′) (1–12′) — 4–11′ — 4–10′ — 2–10.5′ — 2–10′ | |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) (Right Side) | | |
| Frontage Road: No. of Lanes, and Width (Right and Left) | | |
| Sidewalk: Width and Type (Right and Left) | 5′ Conc. — 5.5′ Conc. — 6′ Conc. — (6′ Conc.) — 8′ Conc. — 8′–10′ Conc. S.W. — 6′–10′ Conc. S.W. | |
| Curb and/or Gutter: Type (Right and Left) | 10.29 AC Curb — Conc. Curb — Conc. Curb (L) & (R) — AC Curb & Gutter — 2′ Conc. Curb & Gutter | |
| Protective Devices: Type, Location and Number | (M/M) — M/M — Metal Pipe Railing — 2′ Conc. Curb & Gutter — M/M | |
| Illumination: Type, Location and Number | 190 HPS — 138 HPS — Mercury Vapor Lamps | |
| Curves: Degree of Curvature (Right and Left) | | |
| Superelevation (Range) | | |
| Grades: % Grade, Positive or Negative | | |
| Vertical Curve: Crest or Sag, Curve Limits | | |
| Area and Development: | Small Urban (2) | |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | ((2) Rolling) — (1) Flat — Flat / Rolling | |
| Speed: 1–Design, 2–Posted | 35 MPH (2) / 35 MPH (2) — 25 MPH (2) — 35 MPH (2) / 25 MPH (2) — 35 MPH — 45 MPH (2) / 35 MPH (2) | |
| Intersection Control Devices: Type, Location and Cycle Timing | Traffic Lights — 3 Phase — 3 Phase — 3 Phase — 3 Phase — Traffic Light — Traffic Light | |
| Traffic Stations (Current Year) | B72 0093 00690 — B72 0093 01057 — B72 0093 01083 — B72 0093 01217 — B72 0093 01262 — B72 0093 01281 — B72 0093 01309 — B72 0093 01369 — B72 0093 01475 | |
| HPMS Sections – AADT 2007 | 33,735 — 27,070 — 26,970 — 19,295 — 11,720 — 8,990 — 6,565 — 1,415 | |
| HPMS Sections – AADT 2006 | 33,400 — 26,800 — 26,700 — 19,100 — 11,600 — 8,900 — 6,500 — 1,400 | |
| HPMS Sections – AADT 2005 | 33,111 — 26,486 — 26,479 — 18,957 — 11,533 — 8,777 — 6,481 — 1,360 | |
| DOD Sections | DOD 320 | |
| Census Tracts | | |
| Functional Classification | Principal Arterial (14) | |
| National Highway System (NHS) | On NHS (1) | |
| Previous Projects: Project No., Date and Limits | STP–093–1(14), 1997 (R) — 93B–02–91, Widening, 1996 — 93B–01–86M, (R) 1987 — 900C–01–67, 1966 — STP–93–1(12), (R) 1996 | |
| | (BR–093–(10), 1989, Br. Replacement) | |
| | 93B–01–86M, (R) 1987 — 900C–01–67, 1966 | |
| | 93A–02–70, 1974 — 93B–01–75, Unit–1, Widen, 1981 — 900C–02–67, 1966 — 900C–02–68, 1967 | |
| | WDR 5(3), 1950 — WPSO–23B, 1936 | |

SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| Sept 2002, DB | |
| **Revised** | |
| Aug. 04 | D.B. |
| Oct. 04 | D.B. |
| May 06 | G.N. |
| Mar 07 | D.B. |
| Feb 09 | D.B. |

# ROAD INVENTORY

# OAHU RTE 93
# FARRINGTON HWY

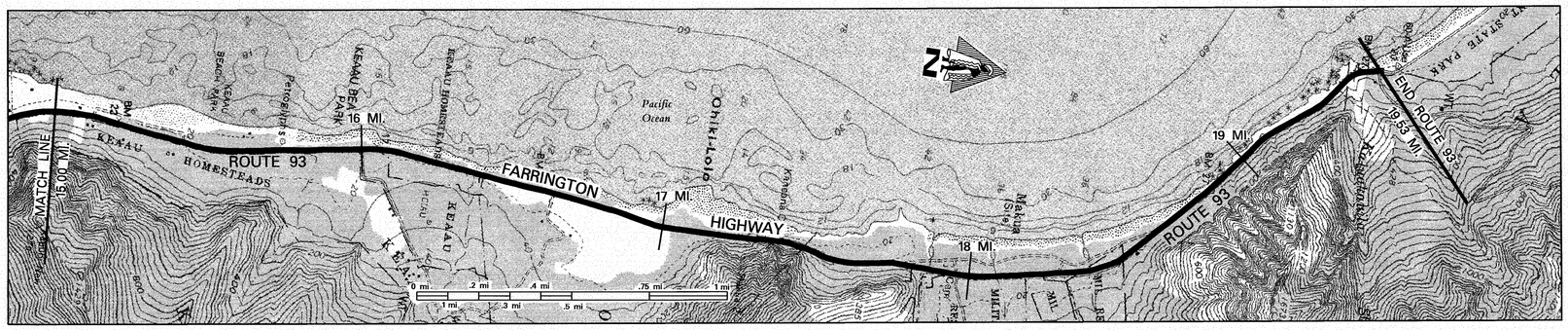
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 19.53 | MILES (a+b) |
| a. Existing Length: | 19.53 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 19.53 | MILES (a+b, less c) |
| a. Existing Length: | 19.53 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

15 16 17 18 19 20

Maintenance Control Sections : Length and Description

93B (4.34 mi.) | End 93B – Begin 930A 528' South of Waikomo Str. Br. | 930A (3.88 mi.) | End 930A same as End Route.

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed

PRE-STRESSED CONC. PLANK, HS-20-44, 1996 — 61' | PRE-STRESSED CONC. PLANK, HS-20-44, 1996 — 123' | PRE-STRESSED CONC. PLANK, HS-20-44, 1996 — 50' | PRE-STRESSED CONC. PLANK, HS-20-44, 1996 — 32' | CULVERT, HS-20, 1964 — 22' | 47' | 22'

Vertical Clearance: 40' | 40' | 40' | 40' | 34' | 32' | 34'

**Structure Over Road**

Horizontal Clearance

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 60'–85' | 80'–110'

Available Right of Way Width (Needs Study): Residential Area

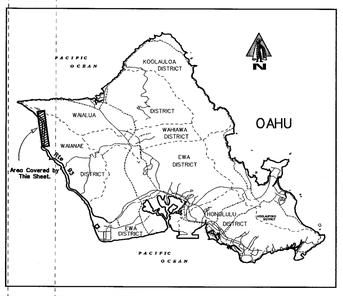
Right of Way Fence: Type – Right and Left: (Wood on Wood) Wire on Wood | Wire on Wood, 10'-15' from Pavement | (Chain Link)

Control of Access: 1–None, 2–Partial, 3–Full: None

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State

Project No., Type of Construction, and Year Constructed: STP-093-1(18), Safety Improvements, 2006

Project No., Type of Construction, and Year Constructed: STP-93-1(12), (R) 1996 | (BR-093-1(11), Bridge Replacement, 1996) STP-93-1(12), (R) 1996 | STP-93-1(12), (R) 1996




**Road Diagram**

* MP = Milepost Signage

CONTINUED FROM SHEET #1. 15.00 mi.

Ent. to Keaau Beach Park (15.03 mi.) | Culvert (15.17 mi.) | Waikomo Strm. Br. (15.60 mi.) | First Hawaiian Bank Road (15.75 mi.) | Keaau Strm. Br. (15.96 mi.) | Na Ohikilolo Strm. Br. (16.32 mi.) | Paniolo Country Ranch (16.51 mi.) | Ohikilolo Strm. Br. (16.63 mi.) | Kaneaka Cave (Makua Cave) (16.98 mi.) | Culvert (17.03 mi.) | Makua 2 Cell Culvert (17.32 mi.) | Tractor Crossing Military Training Area (17.80 mi.) | Makua 3 Cell Culvert (17.86 mi.) | Makua, 2 Cell Culvert (17.93 mi.) | Access to Makua Beach (Barricaded) (17.97 mi.) | Hawaiian Tel. Sub Station (18.07 mi.) | Culvert (18.37 mi.) | Culvert (18.61 mi.) | Culvert (18.77 mi.) | Culvert (18.82 mi.) | Culvert (18.93 mi.) | Culvert (19.00 mi.) | Makua, 2 Cell Culvert (19.40 mi.) | Tracking Sta. Road (19.53 mi.)

FARRINGTON HIGHWAY — 17MP — 18MP

END ROUTE 93 ON FARRINGTON HIGHWAY AT KEAAU BEACH PARK BOUNDARY (AT NORTH EDGE OF PAVEMENT OF SATELLITE TRACKING STATION ROAD). 19.53 mi.

SCALE: (In Miles) 4" = 1 mile

15 16 17 18 19 20

**Divided Highway – Undivided**

Shoulder: Width and Type: 8'–10' Grass | 10'–12' Grass | 8'–10' Grass | 12' Grs. | 7' Grass | 5' Grass | 6' Dirt | 6' Gravel | 8'–10' Coral | 5' Coral | 6' Coral | 6' Coral | 2'–4' Coral | 6' Gravel | 0 | 6' Coral

Pavement: Width and Type: 20' AC | 21' AC | 19' AC | 21' AC | 22' AC | 20' AC

Shoulder: Width and Type: 8'–12' Dirt | 5' Grass | 8'–12' Coral | 2' Dirt | 8'–10' Coral

**Divided Highway**

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes: 2–10' | 2–10.5' | 2–9.5' | 2–10.5' | 2–11' | 2–10'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)

(Right Side): (20' Parking Lot) | (22' Parking Lot)

Frontage Road: No. of Lanes, and Width (Right and Left)

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left)

Protective Devices: Type, Location and Number: M/M

Illumination: Type, Location and Number: Mercury Vapor Lamps

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban (2) | Rural (1)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Flat Rolling | Flat | Flat Mountainous | Flat | Flat Mountainous

Speed: 1–Design, 2–Posted: 45 MPH (2) 35 MPH (2) | 45 MPH (2) | 25 MPH (2) 45 MPH (2) (Not Posted)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B72 0093 01475 | B72 0093 01673 | B72 0093 01710

HPMS Sections – AADT 2007: 1,415

HPMS Sections – AADT 2006: 1,400

HPMS Sections – AADT 2005: 1,360

DOD Sections: DOD 320

Census Tracts

Functional Classification: Principal Arterial (14) | Minor Arterial (6)

National Highway System (NHS): On NHS (1) | Not On NHS (0)

Previous Projects: Project No., Date and Limits: STP-93-1(12), (R) 1996

900C-02-68, 1967 | R-AD 2(2), 1965

WPSO-23B, 1936 | R-AD 2(1), 1963

| Date Released |
|---|
| *Sept 2002, DB* |

| Revised | |
|---|---|
| 5/06 | G.N. |
| 3/07 | D.B. |

# ROAD INVENTORY

# OAHU RTE 95
# KALAELOA BOULEVARD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

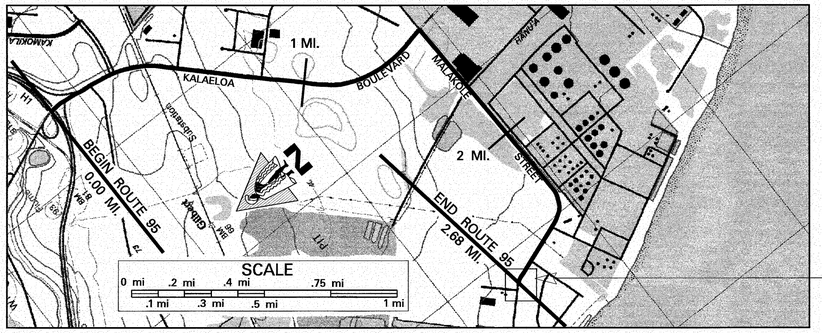
**Total Route Length:** 2.68 miles

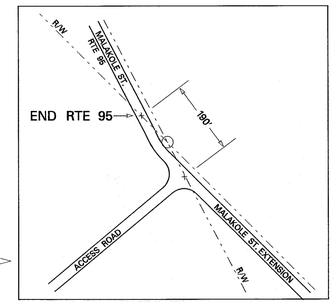
**a. Survey Length:** 2.68 miles

**b. Proposed Length:** 0.00 miles

**c. Other Length: *** 0.00 miles

*




SCALE: (In Miles) 4" = 1 mile — 0 — 1 — 2 — 3

**Maintenance Control Sections : Length and Description**

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

**Vertical Clearance**

**Horizontal Clearance**

**Structure Over Road**

**Vertical Clearance**

**Horizontal Clearance**

**Right of Way Width (min.–max.) if varies**: VARIES 0.16 | 108' | 1.52 | 150'

**Available Right of Way Width (Needs Study)**

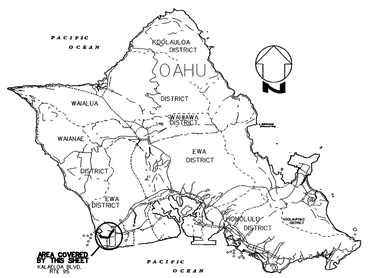
**Right of Way Fence: Type – Right and Left**

**Control of Access: 1–None, 2–Partial, 3–Full**: NONE

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**: STATE

**Project No., Type of Construction, and Year Constructed**: (IM-NH-H1-1(239), 2004 RECONSTRUCTION) 0.16

**Project No., Type of Construction, and Year Constructed**: 95A–01–87, IMPR., 1989




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

BEGIN RTE 95 ON KALAELOA BOULEVARD AT THE CENTERLINE OF PALAILAI OVERPASS AND H-1 FREEWAY — 0.00 MI.

END PALAILAI U.P. — 0.02 MI.

OFF-RAMP TO H-1 — 0.05 MI.

ROAD (L)&(R) WITH H-1 ON-RAMP — 0.10 MI.

STA. 10+00 MOTION — 0.16 MI.

KAPOLEI PARKWAY — 0.26 MI.

RAIL ROAD CROSSING — 0.39 MI.

LAUWILIWILI ST. (HEAVY EQUIP. PLANT & KAPOLEI FIRE STATION) — 0.52 MI.

ORAKAPAKA ST. (KAPOLEI BUSINESS PARK) — 0.83 MI.

HAWAII RACEWAY PARK — 1.31 MI.

END DIV. HWY. & ANGLE POINT — 1.52 MI.

KALAELOA BOULEVARD

DRIVEWAY — 1.82 MI.

HANUA ST. — 1.80 MI.

OIL PIPELINE O.P. — 1.89 MI.

MALAKOLE STREET

CULVERT — 2.21 MI.

ENTRANCE TO CHEVRON REFINERY — 2.46 MI.

KAIHOLO ST. — 2.61 MI.

END RTE 95 ON MALAKOLE ST. 190' S.E. OF CENTERLINE ACCESS ROAD TO STORAGE YARD (NONINCREMENTAL SURVEY) 2.68 MI.

SCALE: (In Miles) 4" = 1 mile — 0 — 1 — 2 — 3

**Divided Highway — Undivided**

**Shoulder: Width and Type**: 4' PCC | 0.16 | 4' AC | 1.80 | 2' CONC. GUTTER & CURB | 4' AC

**Pavement: Width and Type**: 12' PCC | 24' AC | 36' AC | 24' AC

**Shoulder: Width and Type**: 0' | 0.40 | 0.45 (2' CONC. GUTTER) | 0' | 2' CONC. GUTTER & CURB | 4' AC

**Divided Highway**

**Median: Width and Type**: (8' CONC.) | 6'–16' GRASS | 15' GRASS | 4' GRAVEL

**Median Barriers:** 0.02 | 0.05 | 0.28 | 1.40 | 1.52

**Shoulder: Width and Type**: 0.05 | 0' | 1.03 | 2' CONC. GUTTER | 0'

**Pavement: Width and Type**: 12' PCC 24' PCC | 0.16 | 24' AC

**Shoulder: Width and Type**: 8' PCC 4' PCC | 4' AC | 1.80 | (35' CORAL)

**Number of Traffic Lanes**: (2–12') | 1–12' | 2–12' 2–12' | 2–18' | 1.80 | 2–12'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

**(Right Side)**: 1.45 | 1.52 1-12' (L) TURN LANE (R) | 1.48

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**: 1.52 | 12' GRASS S.W. (L)(R) | 1.80

**Curb and/or Gutter: Type (Right and Left)**

**Protective Devices: Type, Location and Number**: M/M 2.51 2.54 2.57 2.60

**Illumination: Type, Location and Number**: 1.52 | MV (R) | 1.80

**Curves: Degree of Curvature (Right and Left)**

**Grades: % Grade, Positive or Negative**

**HOV Lanes/Contra–Flow Lanes**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development**: LARGE URBANIZED (4) (Honolulu – 52)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**: FLAT

**Speed: 1–Design, 2–Posted**: NOT POSTED 0.11 | 35 MPH (2) | 1.48 25 MPH (2) 35 MPH (2) 1.57 | 25 MPH (2) | 2.62 (NOT POSTED)

**Intersection Control Devices: Type, Location and Cycle Timing**: 0.26 | 2 PHASE | 1.51 | 2 PHASE

**Trafic Stations (Current Year)**: 0.16 | B72 0095 00000 | 1.70 | B72 0095 00152 | 2.30 | B72 0095 00180

**HPMS Sections AADT 2007**: 17,170 | 4,145 | 2,630

**HPMS Sections AADT 2006**: 17,000 | 4,100 | 2,600

**HPMS Sections AADT 2005**: 16,867 | 1.52 | 4,107 | 1.80 | 2,582 | 2.68

**DOD Sections**

**Census Tracts**

**Functional Classification**: PRINCIPAL ARTERIAL (14)

**National Highway System (NHS)**: On NHS (1)

**Previous Projects: Project No., Date and Limits**

SCALE: (In Miles) 4" = 1 mile — 0 — 1 — 2 — 3

| Date Released |
|---|
| MAR. 05, D.B. |

| Revised | |
|---|---|
| 5/06 | G.N. |

# ROAD INVENTORY

# OAHU RTE 98

# VINEYARD BLVD., HALONA ST., OLOMEA ST.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

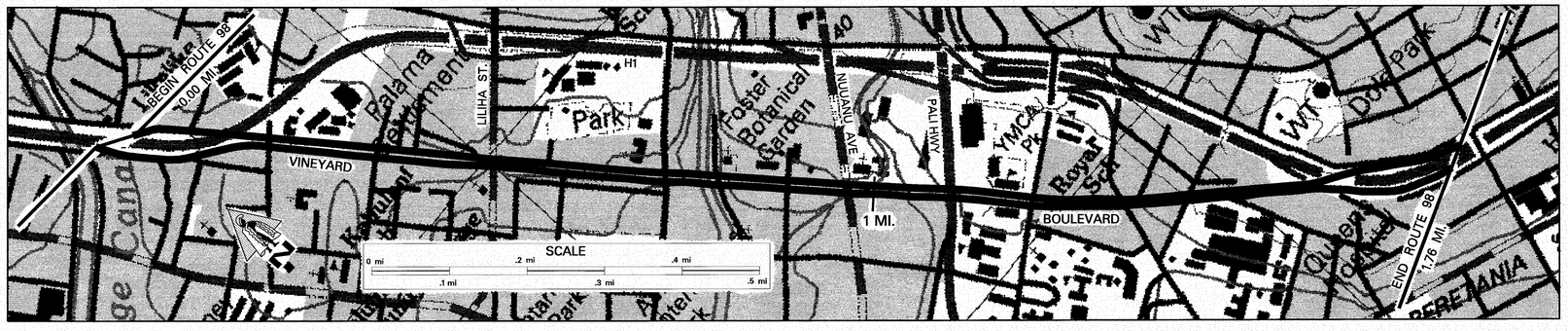
**Total Route Length:** 1.76 miles

**a. Survey Length:** 1.76 miles

**b. Proposed Length:** 0.00 miles

**c. Other Length: *** 0.00 miles

*




SCALE: (In Miles) 10" = 1 mile

Maintenance Control Sections : Length and Description

0.00 BEGIN 98A AT CENTERLINE AULD LANE — 98A (1.52 MI.) — END 98A AT BEGINNING OF ON-RAMP STRUCTURE 1.60

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- TEE BEAM, 1959, HS 20, 95' (0.77)
- PEDESTRIAN, 1957 (1.18)
- (R) CONC. BOX GIRDER, 1968, HS 20, 227' (1.88)
- (L) CONC. BOX GIRDER, 1969, HS 20, 453' (1.88)
- PEDESTRIAN, 1969 (1.88)

Vertical Clearance
Horizontal Clearance
- 99'
- 31' / 31'

**Structure Over Road**

Vertical Clearance
- 15' 08" (1.18)
- 21' (1.88)

Horizontal Clearance
- 55' (1.18)
- 37' (1.88)

Right of Way Width (min.–max.) if varies
- ESTIMATED 110'

Available Right of Way Width (Needs Study)
- RESIDENTIAL AREA (0.81 – 1.24)

Right of Way Fence: Type – Right and Left
- 8' FROM EDGE OF PAVEMENT CHAIN LINK (0.18)
- CHAIN LINK 8' FROM EDGE OF PAVEMENT (0.33 – 0.81)
- CHAIN LINK 8' FROM EDGE OF PAVEMENT (1.24 – 1.34)
- 8' FROM E.P. STONE WALL (1.34 – 1.39)
- CHAIN LINK 8' FROM EDGE OF PAVEMENT (1.39 – 1.48)

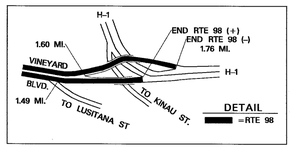
Control of Access: 1–None, 2–Partial, 3–Full
- STATE

Jurisdiction, Transfer Phase No. and Date (C to S or S to C)

Project No., Type of Construction, and Year Constructed
- STP-098-1(10) & NH-098-1(9), 1995 (0.00 – 0.92)
- 98A-01-98, 2000 (0.92 – 1.03)
- STP-098-1(10) & NH-098-1(9), 1995 (1.03 – 1.76)

Project No., Type of Construction, and Year Constructed

Indicates Grass & / or Physical Barrier on Median.




**Road Diagram**

* MP = Milepost Signage

BEGIN ROUTE 98 ON OLOMEA ST. AT THE END OF H-1 OFF-RAMP TO VINEYARD BLVD. (0.00 MI.)

KUIPAAKEA LN. (0.05 MI.) — IAO LN. (0.08 MI.) — PALAMA ST. (0.20 MI.) — PUA LN. (0.34 MI.) — WAIPA LN. (0.39 MI.) — WAIPA LN. (0.46 MI.) — LILIHA ST. (RTE 7413) (0.50 MI.) — AALA ST. (0.73 MI.) — COLLEGE WALK (0.76 MI.) — NUUANU STR. BR. (0.77 MI.) — RIVER ST. (0.80 MI.) — MAUNAKEA ST. (0.89 MI.) — NUUANU AVE. (0.97 MI.) — 1 MP (1.01 MI.) — PALI HWY (1.11 MI.) — PEDESTRIAN OVERPASS (1.16 MI.) — QUEEN EMMA ST. (1.22 MI.) — PELE ST. PUNCHBOWL ST. (1.34 MI.) — MILLER ST. (1.42 MI.) — LUSITANA ST. (1.49 MI.) — VINEYARD BLVD. RAMP STRUCTURE (1.60 MI.) — PEDESTRIAN OVERPASS (1.68 MI.) — 1.77 MP (1.76 MI.)

HALONA ST. / OLOMEA ST. — VINEYARD BLVD.

AULD LN. (0.00 MI.)

END ROUTE 98 ON VINEYARD BLVD. AT THE END OF H-1 OFF-RAMP TO H-1 (AT CONCRETE NOSE). 1.76 MI.

SCALE: (In Miles) 10" = 1 mile

**Divided Highway — Undivided**

Shoulder: Width and Type
- CURB & GUTTER (0.00 – 0.03)
- 1'-6" AC (0.03 – 0.07)
- 24' AC (0.07 – 0.10)
- CONC. BARR. H-1 (0.10 – 0.20)
- 6'–8" RAISED GRASS (0.10 – 0.20)
- CURB & GUTTER (0.00 – 0.20)
- 1-12' (0.00 – 0.03)
- 2-12' (0.03 – 0.07)
- 1'-6" AC (1.91 – 1.93)
- 5' AC (1.93 – 1.98)
- 3' AC (1.98 – 2.01)
- 6'–8" AC (2.01 – 2.08)

Pavement: Width and Type
- 36' AC (0.03 – 0.87)
- 48' AC (0.87 – 1.03)
- 36' AC (1.03 – 1.40)
- 24' AC (1.40 – 1.91)

Shoulder: Width and Type
- 0 (0.20 – 0.92)
- 4' AC (1.91 – 2.08)

Median: Width and Type
- 24' RAISED GRASS (0.20 – 0.92)
- 12' RAISED GRASS (0.92 – 1.03)
- 24' RAISED GRASS (1.03 – 1.91)
- CONC. BARRIER (H-1) (1.91 – 2.08)

Median Barriers: |—| = GUARDRAIL —— = CONC. BARRIER
- GUARDRAIL (1.42 – 1.58)

Shoulder: Width and Type
- 0 (0.20 – 0.92)
- 4' AC (1.58 – 1.98)

Pavement: Width and Type
- 24' AC (0.00 – 0.07)
- 36' AC (0.07 – 0.92)
- 48' AC (0.92 – 1.03)
- 36' AC (1.03 – 1.47)
- 24' AC (1.47 – 1.85)

Shoulder: Width and Type
- CURB & GUTTER (0.00 – 1.85)
- 5' AC (1.85 – 1.98)
- 8' AC (1.98 – 2.08)

Number of Traffic Lanes
- 2-12' (0.03 – 0.07)
- 3-12' (0.07 – 0.92)
- 4-12' (0.92 – 1.03)
- 3-12' (1.03 – 1.40)
- 2-12' (1.40 – 1.47)
- 2-12' (1.47 – 1.98)

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
- 12' PARKING LANE (0.07 – 0.20)

(Right Side)
- 12' AC T.L. (0.81 – 0.92)
- 2-11' (L) T.L. (1.34 – 1.47)
- 10' CONC. LANES (0.20 – 0.48, 0.55 – 0.70, 0.97 – 1.06)
- 12' AC (1.06 – 1.19, 1.22 – 1.29)

Frontage Road: No. of Lanes, and Width (Right and Left)

Sidewalk: Width and Type (Right and Left)
- 4' CONC. (0.20 – 1.48)
- 8'-10' CONC. S/W (0.20 – 1.48)

Curb and/or Gutter: Type (Right and Left)
- MOUNTABLE CONCRETE CURBS ON MEDIAN / UNMOUNTABLE CONCRETE CURBS ON EDGE OF PAVEMENT

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number
- HIGH PRESSURE SODIUM

Curves: Degree of Curvature (Right and Left)

Grades: % Grade, Positive or Negative

HOV Lanes/Contra–Flow Lanes

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
- LARGE URBANIZED (4) (HONOLULU – 52)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous
- FLAT (0.00 – 0.97)
- ROLLING (0.97 – 1.98)

Speed: 1–Design, 2–Posted
- 30 MPH (2)
- (50 MPH (MIN. 40) (2)) (1.98)

Intersection Control Devices: Type, Location and Cycle Timing
- (4) (0.97)
- 3 PHASE (1.34)

Traffic Stations (Current Year)
- B72 0098 00000 (0.00)
- B72 0098 00010 (0.09)
- B72 0098 00020 (0.43)
- B72 0098 00050 (0.79)
- B72 0098 00097 (1.15)
- B72 0098 00134 (1.41)
- B72 0098 00147 (1.76)

HPMS Sections – AADT 2007
- 43,130 (0.00 – 0.09)
- 30,505 (0.09 – 0.43)
- 29,795 (0.43 – 0.79)
- 29,395 (0.79 – 1.15)
- 39,795 (1.15 – 1.41)
- 32,425 (1.41 – 1.76)

HPMS Sections – AADT 2006
- 42,700 (0.00 – 0.09)
- 30,200 (0.09 – 0.43)
- 29,500 (0.43 – 0.79)
- 29,100 (0.79 – 1.15)
- 39,400 (1.15 – 1.41)
- 32,100 (1.41 – 1.76)

HPMS Sections – AADT 2005
- 42,319 (0.00 – 0.20)
- 29,939 (0.20 – 0.50)
- 29,183 (0.50 – 0.97)
- 28,860 (0.97 – 1.34)
- 39,003 (1.34 – 1.47)
- 31,802 (1.47 – 1.76)

DOD Sections
- DOD 295 (0.10 – 0.50)
- DOD 300 (0.50 – 1.11)
- DOD 305 (1.11 – 1.76)

Census Tracts
- CT 56 (0.00 – 0.20)
- CT 55 (0.20 – 0.34)
- CT 54 (0.34 – 0.50)
- CT 53 (0.50 – 0.77)
- CT 51 (0.77 – 0.97)
- CT 42 (0.97 – 1.22)
- CT 41 (1.22 – 1.76)

Functional Classification
- PRINCIPAL ARTERIAL (14)

National Highway System (NHS)
- NOT ON NHS (0)

Previous Projects: Project No., Date and Limits
- (98A-01-75M, (R), 1975) (0.00 – 0.02)
- 9800A-01-81M, (R), 1981 (0.02 – 0.20)
- 98A-01-86M, (R), 1986 (0.20 – 0.64)
- 9800A-01-81M, (R), 1981 (0.64 – 1.60)
- I-H1-1(31) UNIT 1, 1967 (1.60 – 1.76)

SCALE: (In Miles) 10" = 1 mile

| Date Released |
|---|
| APRIL 05, D.B. |
| **Revised** | |
| 6/06 | D.B. |

# ROAD INVENTORY

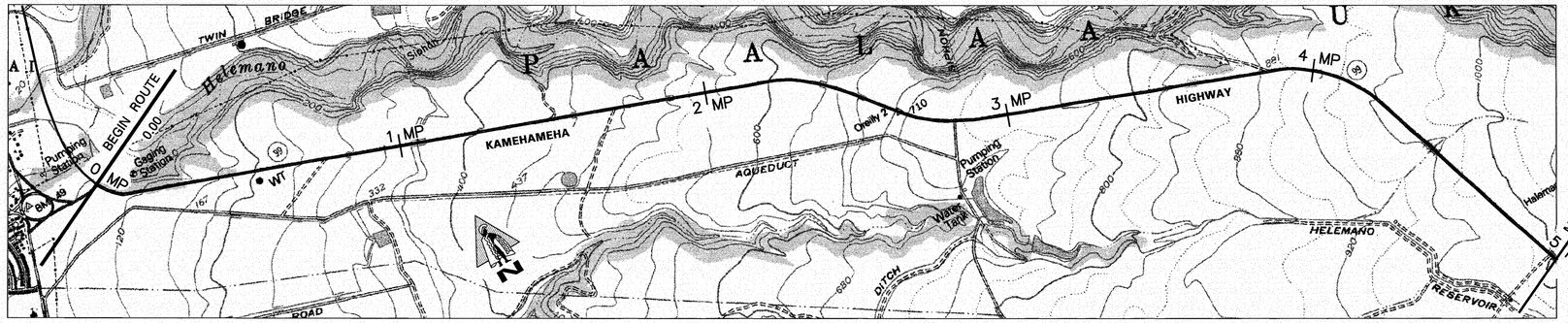
# OAHU RTE 99
# KAMEHAMEHA HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 23.83 | MILES (a+b) |
| a. Existing Length: | 23.83 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 23.83 | MILES (a+b, less c) |
| a. Existing Length: | 23.83 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

**Maintenance Control Sections : Length and Description**

Begin 99A Same as Begin Rte. — 99A (6.56mi.)

**Structure Carrying Road**

- Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Vertical Clearance
- Horizontal Clearance

**Structure Over Road**

- Vertical Clearance
- Horizontal Clearance

**Right of Way Width (min.–max.) if varies**: 60' – 140'

**Available Right of Way Width (Needs Study)**: 1000' Clear Sugar Cane, 25'–30' from Edge of Pavement | 3.91 | 1000' Clear Pineapple Field, 25'–30' from Edge of Pavement

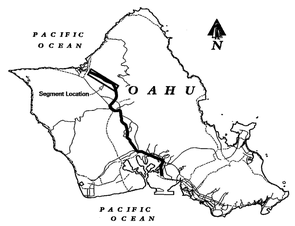
**Right of Way Fence: Type – Right and Left**

**Control of Access: 1–None, 2–Partial, 3–Full**: None

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**: State

**Project No., Type of Construction, and Year Constructed**: 0.98 — STP–099–1(10), Resurface, 1994 — 4.97 (STP-0300(29) (R) 1994)

**Project No., Type of Construction, and Year Constructed**: LT–O–03–79M, Resurface, 1979 — 4.22 — 4.95 (HWY-0-01-82M, (R), 1982)




**Road Diagram**

* MP = Milepost Signage

BEGIN RTE 99 @ CENTERLINE JUNCTION WITH JOSEPH P. LEONG HWY. AND OLD KAM. HWY. (SAME AS BEGIN RTE 83) — 0.00 mi.

End Divided Hwy — 0.10 mi.
Ent. to Water Tank — 0.49 mi.
KAMEHAMEHA — 1 MP — 0.96 mi. — 2 MP — 1.96 mi.
Culvert — 2.82 mi.
Field Road — 2.82 mi.
HIGHWAY — 3 MP (Fallen) — 2.96 mi. — 4 MP
Culvert — 3.87 mi.
Culvert — 3.82 mi.
Begin Divided — 3.97 mi.
Paalaa Uka Pupukea Rd. — 4.52 mi.
5 MP (Fallen) — 4.75 mi. — 4.98 mi.
CONTINUED ON SHEET #2 — 5.00 mi.

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

**Divided Highway**

| | Undivided | |
|---|---|---|
| Shoulder: Width and Type | | 8'–10' AC |
| Pavement: Width and Type | | 12' AC |
| Shoulder: Width and Type | | 0 |
| Median: Width and Type | | (0'–12' Painted AC) |
| Shoulder: Width and Type | | 0 |
| Pavement: Width and Type | | 12' AC |
| Shoulder: Width and Type | | 8' AC |

Undivided: 8'–10' AC | 2'–4' AC / 4'–8' Dirt & Grass | 2'–4' AC / 10' Grs. & Dirt | 2'–4' AC | 2'–4' AC / 4'–8' Grass | 2'–4' AC / 25' Grass | 2'–4' AC / 4'–10' Grass | 2'–4' AC | 2'–4' AC / 10'–4' Grass | 4'–6' AC / 8' Grass

Divided: 22' AC | 11' AC

6' AC | 2' AC/ 6'–12' Grass | 6' AC/ 6'–12' Dirt | 13' AC | 4' AC | 8'–10' AC/ 6' Gravel | 8'–10' AC | 4' AC | 10'–12' AC | 8'–10' AC/ 4'–8' Grass | 10'–12' AC | 4'–8' AC/ 2'–6' Grass | 2'–4' AC / 4'–8' Dirt & Grass | 6'–8' AC | 10'–12' AC | 4' AC/ 4' Grass | 8'–10' AC/ 6'–10' Grass | 8'–10' AC | 4' AC / 4'–8' Grass | 0 | 0'–12' Painted AC | 0 | 11' AC | 2'–4' AC / 4'–6' Grass

**Number of Traffic Lanes**: 2–12' | 2–11'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**: 0.06 – 0.16 | 4.61 – 4.75 – 4.89

**(Right Side)**

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**

**Curb and/or Gutter: Type (Right and Left)**

**Protective Devices: Type, Location and Number** (All Guard Rails: Metal on Metal Unless Indicated Otherwise.): (Wood on Conc.) 0.22 – 0.24 – 0.31 – 0.34 | 0.77 – 0.89 – 0.90 | 1.19 – 1.28 | 1.45 – 1.59 | 1.71 – 1.74 – 1.82 – 1.83 | (Metal Rails on Concrete Posts) 2.04 – 2.20 | 2.57 – 2.58 – 2.62 | 3.26 | 3.43 | 3.63 – 3.68 | 3.77 – 3.80 – 3.81

**Illumination: Type, Location and Number**: 252 H.P.S.

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**: Rural (1) / Rolling ②

**Speed: 1–Design, 2–Posted**: 45 MPH ②

**Intersection Control Devices: Type, Location and Cycle Timing**: 0.00 – 3 Phase | 4.75 – 2 Phase

**Traffic Stations (Current Year)**: B72 0099 00000 | B72 0099 00024 | B72 0099 00048 | B72 0099 00078 | (B72 0099 00090) 0.97 | B72 0099 00105 | B72 0099 00147 | B72 0099 00159 | B72 0099 00174 | B72 0099 00184 | B72 0099 00257 | B72 0099 00322 | B72 0099 00344 | B72 0099 00367

**HPMS Sections – AADT 2007**: 15,355 | 20,705

**HPMS Sections – AADT 2006**: 15,200 | 20,500

**HPMS Sections – AADT 2005**: 15,020 | 20,293

**DOD Sections**: 0.24 – 0.48 – 0.78 – 0.90 – 1.05 – 1.47 – 1.59 – 1.74 – 1.84 – 2.57 – 3.22 – 3.44 – 3.67

**Census Tracts**

**Functional Classification**: Principal Arterial (2)

**National Highway System (NHS)**: On NHS (1)

**Previous Projects: Project No., Date and Limits**

DF–082–1(1), 1959 — 4.97

(STP-0300(29), 1994 Resurface) — (NRS 21–A, 1935) — 102 + 99 — 102 + 19 — 4.92

FAP 21–B, 1937

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

| Date Released |
|---|
| May 2002 |
| **Revised** | |
| 6/06 | D.B. |

# ROAD INVENTORY

# OAHU RTE 99

## KAMEHAMEHA HWY., KAMANANUI RD., WILIKINA DR.

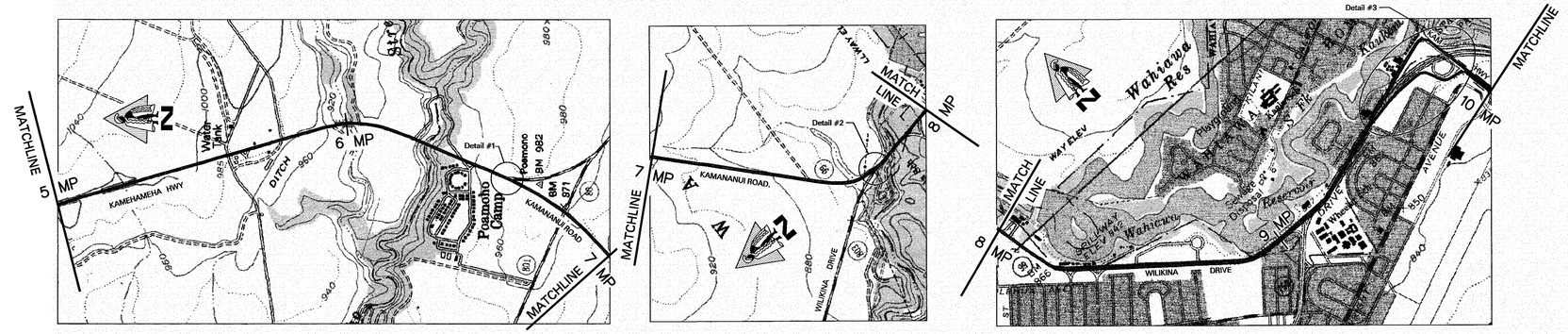
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 23.83 | MILES (a+b) |
| a. Existing Length: | 23.83 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 23.83 | MILES (a+b, less c) |
| a. Existing Length: | 23.83 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

**Maintenance Control Sections : Length and Description**

99A (6.56mi.) | End 99A & Beg 99B at the centerline of Kam Hwy. & Kamananui Rd. (6.56) | 99B (1.14mi.) | End 99B & Beg 99C at the centerline of Kamananui Rd. & Wilikina Dr. | 99C (9.09mi.)

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

Slab, 1937, H15 | 22′ — *Brodie Camp 2 Br.*
RC Arch Girder, 1936, H15 | 405′ — *Poamoho Br.*
RC Deck Girder, 1944, H20 | 234′ — *Upper Kaukonahua Br.*

**Vertical Clearance**

24′ | 24′ | 26′

**Structure Over Road**

**Horizontal Clearance**

**Vertical Clearance**

**Horizontal Clearance**

**Right of Way Width (min.–max.) if varies**

60′–140′ | 100′ | 100′–110′ | 100′ – 130′ | 100′–120′

**Available Right of Way Width (Needs Study)**

1000′ Clear Pineapple Field, 25′–30′ from Edge of Pavement | Military Reserve | Military Reserve Chain Link Fence 20′–40′ F.E.O.P.

**Right of Way Fence: Type – Right and Left**

Chain Link, 15′ from Edge of Pavement | Chain Link, 15′ from Edge of Pavement

**Control of Access: 1–None, 2–Partial, 3–Full**

None | Partial

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

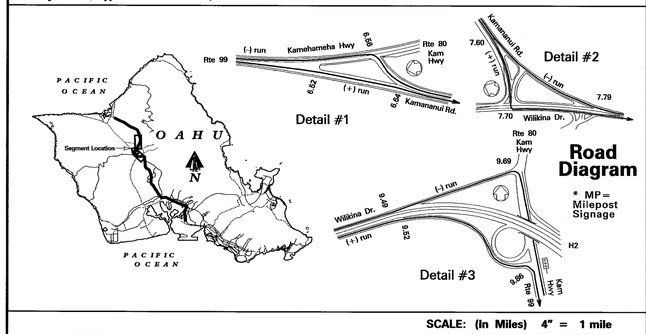
State

**Project No., Type of Construction, and Year Constructed**

(STP–099–1(18), Inter. Impr. 2000) | (NH–099–1(24), Rehabilitation, 2008)
(09C–02–00,2004, Inter. Imprv.) | (HWY–O–06–07M, R, SLURRY SEAL, 2007, (–) DIR ONLY)
(HWY–O–01–89M, (R) 1990)

**Project No., Type of Construction, and Year Constructed**

STP–0300(29), Resurfacing, 1994




**Road Diagram**

* MP = Milepost Signage

5.00 mi. CONTINUED FROM SHEET # 1

End Divided Hwy | KAMEHAMEHA HIGHWAY | KAMANANUI RD. | WILIKINA DR. | KAM HWY

Paved Rd Paved Rd Brodie Camp 2 Br. & T.C. 5.57 mi. | Paved Rd Paved Rd Pineapple Stand Entrances to 5.58 mi. | Paved Rd (R) 5.62 mi. | 5.68 mi. | 5.69 mi. | 5.76 mi. | Poamoho Br. 5.98 mi. | Kam Hwy Begin Divided 6 MP 6.22 mi. | End Divided 6.30 mi. | Field Rd. 6.38 mi. | Kaukonahua Rd. (Road 801) 6.43 mi. | Nui Ave. 6.52 mi. | Detail #1 | Field Rd. 6.64 mi. | 6.69 mi. | 6.77 mi. | 7 MP 6.99 mi. | 7.10 mi. | Begin Divided Hwy 7.60 mi. | Detail #2 | Upper Kaukonahua Br. Begin Divided Hwy 7.70 mi. | End Divided Hwy Paved Rd. Wilikina Dr. 7.74 mi. | McNair Gate & End Divided 7.78 mi. | Begin Divided Hwy 7.84 mi. | Spur 7.88 mi. | Spur 7.97 mi. | Begin Divided Hwy & End Divided Road (Barricaded) 8 MP 8.03 mi. | 8.06 mi. | Funston Gate (Closed) 8.29 mi. | MacComb Rd (Gate) 8.36 mi. | 8.72 mi. | Rd to Military Housing 8.95 mi. | Schofield Barracks 8.96 mi. | 8.99 mi. | 9 MP 9.03 mi. | Kunia Rd. (Rte 750) 9.08 mi. | 9.13 mi. | Driveway 9.17 mi. | Lakeview Circle 9.38 mi. | Detail #3 | End H-2 9.40 mi. | Merge with H-2 9.56 mi. | Kam Hwy (Rte 80) 9.69 mi. | H2 Over Pass 9.78 mi. | I.B. 9.80 mi. | O.B. 9.86 mi. | Santos Dumont Ave Ramp from H2 I.B. 9.85 mi. | 9.89 mi. | 9.93 mi. | 10.00 mi. CONTINUED ON SHEET # 3

H-2 | RAMP TO KAM HWY | Begin Ramp 9.42 mi. | End Ramp 9.86 mi.

5.01 mi.

**SCALE: (In Miles) 4" = 1 mile**

5 | 6 | 7 | 8 | 9 | 10

**Divided Highway**

**Undivided**

**Shoulder: Width and Type**

(4′–6′ AC/ 8′ Grass) | 2′–4′ AC / 4′ Grass | 2′–4′ AC | 2′–4′ AC / 3′ Grass | 4′–6′ AC/ 8′ Grass | 2′–4′ AC / 20′ Grass & Dirt | 2′–4′ AC | (29′ AC) | 0′–2′ AC | 20′ Conc. | 0′–2′ AC | 4′ AC

**Pavement: Width and Type**

(11′ AC) | 22′ AC | 20′ AC | 11′ AC | 22′ AC | (4′ AC) | 11′ AC | 22′ AC | 24′ AC | (14′–23′ AC) | 23′ AC | 11.5′ AC | 24′ AC

**Shoulder: Width and Type**

(0) | 2′–4′ AC / 4′–8′ Grass | 2′–4′ AC | 2′–4′ AC/ 4′–8′ Grass | 4′ AC | 4′ AC / 10′–14′ Grass | 4′ AC/ 4′–10′ Grass | 0′–2′ AC | 4′ AC | 2′ AC | 0 | 2′ AC | 0′–2′ AC | 1′ AC

**Median: Width and Type**

(0′–12′ Painted AC) | (0–12′ AC) (12′–60′ Grass) | (0–8′ AC) | 0′–11′ Painted AC | (0′–12′ Painted AC) | (0′–5′ Painted Median) | Conc. Barrier | 21′ Raised Grass | Interchange | 20′ Grass (Raised)

**Shoulder: Width and Type**

(0) | 6′ AC | 0 | 0 | (14′–24′ AC) | 0 | 4′ AC | 1′ AC

**Pavement: Width and Type**

(11′ AC) | 11′ AC | 11′ AC | 12′ AC | 24′ AC | 23′ AC | 24′ AC | 15′ AC | 24′ AC | 22′ AC

**Shoulder: Width and Type**

(2′–4′ AC/ 4′ Grass) | 4′ AC/ 10′ Grass | 4′ AC | 4′ AC/ 10′ Dirt | 0′–2′ AC | 6′ AC/ 10′ Grass | 5′ AC

**Number of Traffic Lanes**

2–11′ | 2–10′ | 2–11′ | 1-11′ 1-12′ | 2–12′ | 2–11.5′ | 4–11.5′ | 2–11.5′ | 1–11.5′ | 1–15′ | 2–12′ | 2–12′ | 2–11′

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

(1–12′ (L) T.L.) | (2–14.5′) | (1–14.5′–24′) | 14′ (L) T.L.

**(Right Side)**

Frontage Road (–) Run | 11.5′ T.L.

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**

6′ Conc. | 5′ Conc. | 6′ AC | 4′ Conc. | 3′–5′ Conc. | 4′–6′ Conc.

**Curb and/or Gutter: Type (Right and Left)**

4′ Conc. Gutter | 5′ Bit. Gutter

**Protective Devices: Type, Location and Number**

All Guard Rails: Metal on Metal Unless Indicated Otherwise.

**Illumination: Type, Location and Number**

252 H.P.S. | M.V. | H.P.S. | M.V

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

(Large Urbanized (4) (Honolulu – 52))

Rural (1) | Rural (1) | Large Urbanized (4) (Honolulu – 52)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**

Rolling ② | Flat ①

**Speed: 1–Design, 2–Posted**

45 MPH ② | 25 MPH ② | 45 MPH ② | 25 MPH ② | 45 MPH ② | 35 MPH ② | 25 MPH ② | 35 MPH ② | School Zone 25 MPH ② | (–) Run Only | 25 MPH ②

**Intersection Control Devices: Type, Location and Cycle Timing**

(B72 0099 00635) | Stop Sign | Stop Sign | 3 Phase | 3 Phase | 3 Phase | 3 Phase | 2 Phase | 3 Phase | 3 Phase

**Traffic Stations (Current Year)**

B72 0099 00367 | B72 0099 00566 | B72 0099 00602 | B72 0099 00652 | B72 0099 00664 | B72 0099 00780 | B72 0099 00770 | B72 0099 00806 | B72 0099 00836 | B72 0099 00908 | B72 0099 00952 | (B72 0099 00988)

**HPMS Sections – AADT 2007**

20,705 | 22,120 | 12,625 | 20,605 | 41,715 | 49,885 | 28,685

**HPMS Sections – AADT 2006**

20,500 | 21,900 | 12,500 | 20,400 | 41,300 | 49,400 | 28,400

**HPMS Sections – AADT 2005**

20,293 | 21,649 | 12,338 | 20,223 | 40,931 | 48,888 | 28,089

**DOD Sections**

**Census Tracts**

**Functional Classification**

(Principal Arterial (14))

Principal Arterial (2) | Principal Arterial (2) | Principal Arterial (14) | Freeway & Expressway (Conn. Link)

**National Highway System (NHS)**

On NHS (1) | Not On NHS (0) | On NHS (1)

**Previous Projects: Project No., Date and Limits**

HWY–0–01–82M, Resurface, 1982 | 99C–01–84,(R) 1984 | 99C–01–79M, (R) 1979 | DF–082–1(1), 1959 | DA–WR 8(3), 1947 | NRS 21–A, 1935 | DA–WR 7(1), 1944 | NRH–7D, 1934 | (C–99–06–60, 1960)

**SCALE: (In Miles) 4" = 1 mile**

5 | 6 | 7 | 8 | 9 | 10

| Date Released |
|---|
| *May. 2002* |

| Revised | |
|---|---|
| *Feb. 03* | *J.K.* |
| *May 04* | *D.B.* |
| *6/06* | *D.B.* |
| *2/08* | *D.B.* |
| *2/09* | *D.B.* |

# ROAD INVENTORY

# OAHU RTE 99
# KAMEHAMEHA HWY.

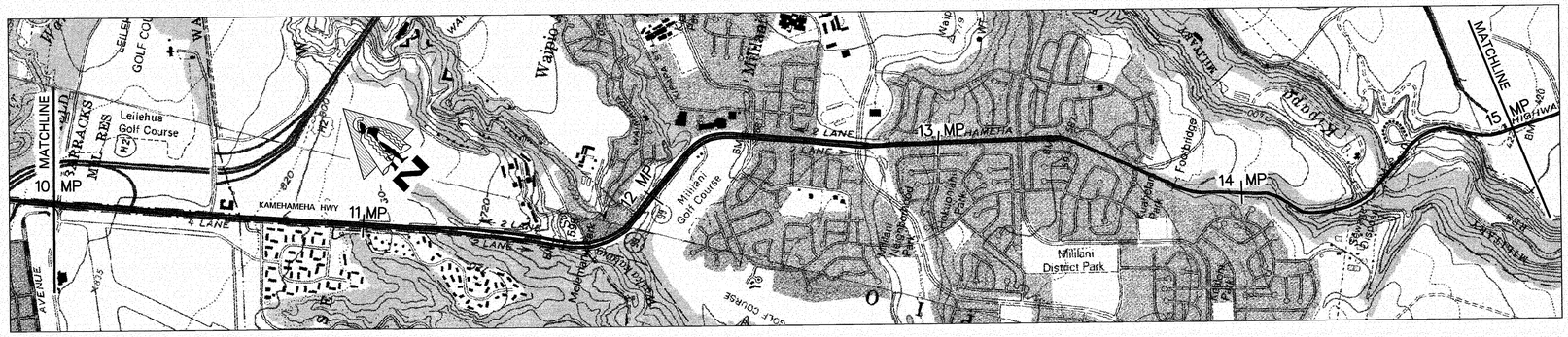
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 23.83 | MILES (a+b) |
| a. Existing Length: | 23.83 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 23.83 | MILES (a+b, less c) |
| a. Existing Length: | 23.83 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

10 | 11 | 12 | 13 | 14 | 15

**Maintenance Control Sections : Length and Description**

99C (9.09mi.)

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

282' Outbound – TBM, 1950, H520
225' Inbound – RC Arch Girder, 1937, H15 (Old Struct.)
*Waikakalaua Br.*

TBM, H15, 1933
484'
*Kipapa Br*

**Vertical Clearance**

Outbound 28'
Inbound 30'

30'

**Horizontal Clearance**

**Structure Over Road**

**Vertical Clearance**

13.5'
*Pedestrian Overpass*

**Horizontal Clearance**

36'

**Right of Way Width (min.–max.) if varies**

100' – 120' | 116' – 245' | 120' – 275' | 70' – 240'

**Available Right of Way Width (Needs Study)**

Military Reserve | Trees & Bushes | Residential Area | Trees & Bushes

**Right of Way Fence: Type – Right and Left**

Vinyl Fence (25' F.E.O.P.)
Chain Link, 15' from Edge of Pavement
6' Chain Link Fence
Tile 10'-15' from Edge of Pavement
Tile 50' from Edge of Pavement
Tile 20'-30' from Edge of Pavement

**Control of Access: 1–None, 2–Partial, 3–Full**

Partial

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

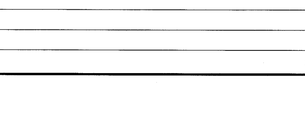
State

**Project No., Type of Construction, and Year Constructed**

NH–099–1(24), Rehabilitation, 2008
(NH–099–1(12), Widening, 1997)

**Project No., Type of Construction, and Year Constructed**

HWY–O–01–89M, (R) 1990
DE–0200(803), Intersection Imprv., 2001
HWY–O–01–89M, (R) 1990
99C–01–90M, (R) 1991




Indicates Grass & / or Physical Barrier on Median.

## Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #2

10.00 mi.

Ramp Access from H-2 | Leilehua Golf Course Road | Field Rd. | Waikakeleua Br. | Waikalani Dr. | Wahiawa St. | Kipapa St. | Kuahelani Ave | 12.37 mi. | Meheula Parkway | Lanikuhana Ave | End Divided Hwy | Pedestrian Overpass | Beg Divided Hwy | End Divided Hwy & Kipapa Br. | Dairy Rd. | Road (R) & Emergency Call Box | Beg Divided Hwy | End Divided | Beg Divided

KAMEHAMEHA HIGHWAY

35+05 | 17+40 | 18, 92+65 | 15 MP | 14 MP | 13 MP | 12.39 mi. | 12.35 mi. | 12.73 mi.

10.21 mi. | 10.48 mi. | Lehua Rd. (Military Housing) 10.86 mi. | End 11.63 mi. Begin 11.58 mi. | 11.69 mi. | 11.91 mi. 11.88 mi. | 12.21 mi. | Kuahelani Ave. | 12.71 mi. | 13.23 mi. | 13.39 mi. | 13.75 mi. 13.74 mi. | End 14.50 mi. Begin 14.39 mi. | 14.34 mi. | 14.41 mi. | 14.52 mi. | 14.53 mi. | 14.63 mi. | 14.77 mi. | 14.93 mi. | 14.99 mi.

15.00 mi.

CONTINUED ON SHEET #4

SCALE: (In Miles) 4" = 1 mile

10 | 11 | 12 | 13 | 14 | 15

**Divided Highway – Undivided**

**Shoulder: Width and Type**

4' AC | 5' AC | 3' AC | 5' AC | 3' AC | 0'–2' AC | 0'–2' AC / 15' Grass | 0'–2' AC / 50' Grass & Dirt | 0'–2' AC | 2'–4' AC / Dirt & Gravel | (8' AC)

**Pavement: Width and Type**

24' AC | 22' AC | 23' AC | 24' AC | 33' AC | 11' AC | 24' AC | 11' AC (35' AC) | (11' AC)

**Shoulder: Width and Type**

1' AC | 1.5' AC | 1' AC | (20'-30' Raised Grass) | (20'-30' Grass) 2'–4' AC | 0 | 4' AC | 0 | 6'–8' AC | 2'–4' AC | 0 | 2'–4' AC | 0 | (0)

**Divided Highway – Median: Width and Type** ▭ = Concrete Barrier ⊢⊣ = M/M Guardrails

5'–20' Raised Grass | 22' Grs. | 15'–20' Raised Grass | 10'–20' Grs. | 10'–15' Grs. | 15'–40' Sloped Grs. | 40'–50' Raised Sloped Grs. | 40'–50' Sloped Grass. | 20' Grs. | (20'-30' Raised Grass) | (20'-30' Grass) 2'–4' AC | 20' Grs. | 2'–20' Grass | 2'–12' Grass | 10'–12' Grs. | (0'–8' AC) | 10'–8' Grs. | (0'–11' Painted AC) | 0'–11' Painted AC | (0'–18' Painted AC)

**Divided Highway – Shoulder: Width and Type**

1' AC | 3' AC | 1' AC | 0'–1' AC | 4' AC | 0'–2' AC | 4' AC | 0'–2' AC | 0 | 0 | (0)

**Pavement: Width and Type**

22' AC | 24' AC | 23' AC | 24' AC | 11' AC | 24' AC | (24' AC) | (24' AC)

**Shoulder: Width and Type**

5' AC | 0'–2' AC | 2'–4' AC/ 8'–12' Grass | (2'-11.5') 3' AC | 0'–2' AC / 8'–12' Grass | 0'–2' AC / 25'–30' Grass | 2'–4' AC | 2'–4' AC | (6' AC)

**Number of Traffic Lanes**

(2-12') (2-11') 4–11' | 2–11' 2–12' 4–11.5' | 14' TL | 11' TL | 4–12' | 2–11' 1–11' | 2–11' | 2–12' | 2–11' | 1–11' 2–12'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

18' TL | 15' TL | 14' TL | 11' TL | 12' TL

**(Right Side)**

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**

4'–8' Conc. S.W. | 6' Conc. S.W. | (4' AC S.W.) | 4' Bituminous SW | 4' AC S.W. | 6' PCC S.W. | 4' Conc. S.W. | 6' PCC S.W. | (4' AC S.W.) | 4' Bituminous S.W.)

**Curb and/or Gutter: Type (Right and Left)**

Concrete Gutter | Curb | Conc. Swale | Curb | Conc. Sidewalk | 4' Conc. Curb & Gutter | Bituminous Curb | Conc. Curb

**Protective Devices: Type, Location and Number**

Concrete Curb | Curb & Gutter | M/M | Wood on Conc. | M/C | Metal Rails on Concete Posts (to end of sheet) | 10' Chainlink Fence

**Illumination: Type, Location and Number**

(M.V.) | 56 H.P.S. | 35 H.P.S. | H.P.S. | M.V.

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:** Large Urbanized (4) (Honolulu – 52)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous** Flat ① | Rolling ② | Moutainous ③ | Flat ①

**Speed: 1–Design, 2–Posted**

25 MPH (2) | 35 MPH (2) | 45 MPH (2) | 35 MPH (2) | 45 MPH (2) | 35 MPH ② | 45 MPH ②

**Intersection Control Devices: Type, Location and Cycle Timing**

3 Phase | 3 Phase | 4 Phase | 3 Phase

**Traffic Stations (Current Year)**

B72 0099 00988 | B72 0099 01012 | B72 0099 01031 | B72 0099 01066 | B72 0099 01106 | B72 0099 01127 | B72 0099 01169 | B72 0099 01208 | B72 0099 01237 | B72 0099 01271 | B72 0099 01323 | B72 0099 01341 | B72 0099 01355 | B72 0099 01434 | B72 0099 01441 | B72 0099 01452 | B72 0099 01490

**HPMS Sections AADT 2007**

28,685 | 27,170 | 21,715 | 20,705 | 19,190 | 22,930 | 14,245 | 31,010

**HPMS Sections AADT 2006**

28,400 | 26,900 | 21,500 | 20,500 | 19,000 | 22,700 | 14,100 | 30,700

**HPMS Sections AADT 2005**

28,089 | 26,619 | 21,273 | 20,320 | 18,840 | 22,454 | 13,967 | 30,376

**DOD Sections**

**Census Tracts**

**Functional Classification** Frwy & Expressway (Connecting Link) (12)

**National Highway System (NHS)** On NHS (1) | Not On NHS (0)

**Previous Projects: Project No., Date and Limits**

HWY–O–01–89M, (R) 1990
99C–01–78M, (R) 1979
99C–01–87, 1988 (Improv.)
99C–01–73, (R) 1975
99C–01–78M, (R) 1979
C–99–06–60, 1960
DA–WR 8(3), 1947
SN (DC) FA F–7(20), 1949
WPH–7G, 1937
NRH–7D, 1934
WPH–7–1, 1936 .21
SN FAP 7(19), 1949
WPH–7–1, 1936
WRH–7D, 1934
99C–01–75, 1975
WDRC 5(1), 1946
C–99–01–60, 1960
FAP 7–F, 1932

SCALE: (In Miles) 4" = 1 mile

10 | 11 | 12 | 13 | 14 | 15

| Date Released |
|---|
| *May 2002* |
| **Revised** |
| *Apr. 04* D.B. |
| *5/06* G.N. |
| *Feb. 09* D.B. |

# ROAD INVENTORY

# OAHU RTE 99

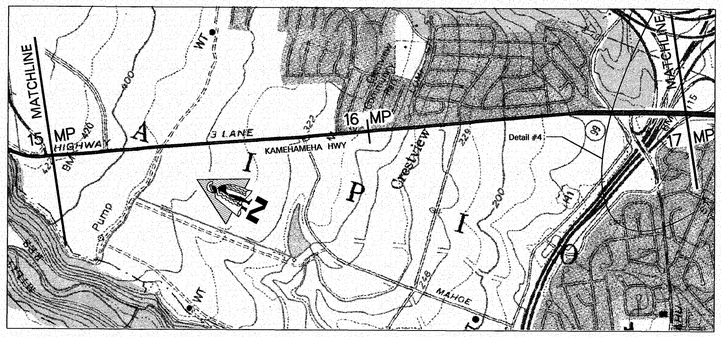
# KAMEMEHAHA HWY., FARRINGTON HWY.

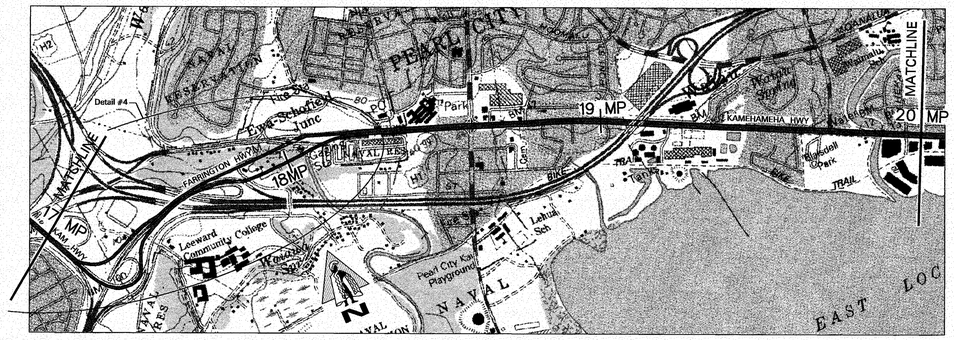
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 23.83 | MILES (a+b) |
| a. Existing Length: | 23.83 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 23.83 | MILES (a+b, less c) |
| a. Existing Length: | 23.83 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

99C (9.09mi.) | End 99C Begin 99D on Kam Hwy. @ the Centerline of Waipahu St. | 99D (1.23mi.) 99D Continues from Rte 9900. Length shown is only for that portion on Hte 99 (I.B.) | End 99D Begin 99E at Junct. of Farr. Hwy. & Old Kam Hwy. | 99E (3.11mi.)

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- 65' SG, HS20, 1953 / 65'
- 489' TBM, HS20, 1969 / 489'
- 184' P/CB, HS20, 1969 / 184'
- 527' CBG, HS20, 1969 / 527'
- 260' CBG, 1969 / 332' TBM, HS, 1933 / 200' TBM, HS20, 1952 / 154' TBM 1988
- 38' TBM, HS20, 1962 / 38'
- P/CB, 1969
- 45' P/CB, HS20, 1966 / 45'

Vertical Clearance
- Waipahu U.P.
- H1 U.P.
- Farrington Hwy U.P.
- H1 U.P.
- 18' / 30' / 28'
- Pearl City Br.
- Waimalu Str. Br.

Horizontal Clearance
- 28' / 28'
- 34' / 34'
- 23' / 33'
- 43' Waiawa Br. I.B.
- 42' / 42'
- H1 Overpass
- 39' / 38'

**Structure Over Road**

Vertical Clearance
- 16' / 16'
- H1 Ramp Waiawa Br. O.P. / Waiawa Br. O.B.
- 16' 34" Kam Hwy O.P.
- 10'

Horizontal Clearance
- 38' / 38'
- 33'
- 99'

Right of Way Width (min.–max.) if varies: 70' –240'

Available Right of Way Width (Needs Study): (Trees & Bushes) | 1000' Clear – Pineapple, 20' from Edge of Pavement | 1000' Clear – Sugar Cane, 20' from Edge of Pavement | Residential | Interchange | Industrial & Residential

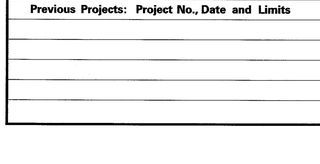
Right of Way Fence: Type – Right and Left: Wood 20' from Edge of Pavement | Chain Link | SW | Chain Link

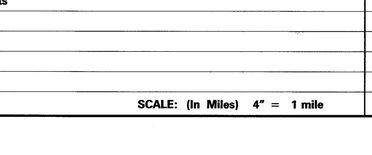
Control of Access: 1–None, 2–Partial, 3–Full: Partial

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State

Project No., Type of Construction, and Year Constructed
- NH–099–1(12), Widening, 1997
- 99D-01-92M, 1993 Left Turn Lanes
- NH–099–1(11), 1994

Project No., Type of Construction, and Year Constructed
- 99C–01–90M, (R) 1991
- NH–099–1(9), Widening, 1995
- 99C–01–78M, (R) 1979
- HWY–O–03–83M, (R) 1983
- 7101A–01–89M, (R) 1990
- 99CD–01–87M, (R) 1987
- 99E–01–91M, (R) 1992




Detail #4

Indicates Grass & / or Physical Barrier on Median.

* MP = Milepost Signage

**Road Diagram**

15.00 mi. CONTINUED FROM SHEET #3

Ka Uka Blvd | Waipio Uka St | Lumiaina St | Lumiaeau St | Waipahu St. 16.74 mi. | H–1 U.P. | Ramp from H1 I.B. (17.13 mi.) | Ramp from Farr. Hwy I.B. (17.20 mi.) | Detail #4 Farrington Hwy, Rte 7101 17.36 mi. | Ramp Acc to H–1 17.86 mi. | H1 U.P. | Waiawa Br. O.B. 17.84 mi. | Kam Hwy O.P. 17.98 mi. | (Ramp to H1 & H2) 18.02 mi. | Old Kam Hwy | Acacia Rd. (Manana Housing) | Spur to Home Depot | Waimano Home Rd | Pearl City Br. | Puu-Momi St. | Puu-Poni St. | H1 Overpass Road | Kuiaeau St. | Kuiaeau Road | Kaluaimoi Pl. | Hila Pl. | Kaahumanu St. | Waimalu Str. Br. 19.84 mi. | Hekaha St.

KAMEHAMEHA HWY | 17 MP 16.81 mi. | FARRINGTON HWY | #4A | #10A | #10B | #34 | #38 | #48 | Ramp from Farr. Hwy O.B. | Ramp from Farr. Hwy I.B. | KAMEHAMEHA HWY

15.14 mi. | 15.86 mi. | 16.24 mi. | 16.53 mi. | 16.73 mi. | 16.79 mi. (16.94 mi.) | 16.84 mi. (16.94 mi.) | On Ramp from H–1 16.99 mi. | Off Ramp to Waipahu St. 17.10 mi. | Farrington Hwy U.P. 17.17 mi. | Ramp Acc to H–1 17.28 mi. | 17.47 mi. | 17.54 mi. | Ramp Access 17.70 mi. | H1 Ramp O.P. 17.80 mi. | Waiawa Br. I.B. 17.97 mi. | Access from Pearl Harbor 18.10 mi. | Park | Kam Hwy 18.11 mi. | 18.25 mi. | 18.35 mi. | Lehua Ave | 18.54 mi. | 18.64 mi. | 18.71 mi. | 18.93 mi. | 19.03 mi. | 19.06 mi. | 19.16 mi. | Rds to Power Plant | 19.28 mi. | 19.45 mi. | 19.55 mi. | 19.61 mi. (Park Entrance) | 19.66 mi. | 19.80 mi. | 19.90 mi.

CONTINUED ON SHEET #5 20.00 mi.

SCALE: (In Miles) 4" = 1 mile

**Divided Highway – Undivided**

Shoulder: Width and Type
- 4'–6' AC
- 6'–8' AC
- (33' PCC)
- 0'–2' AC

Pavement: Width and Type
- (11' AC) 24' AC
- 24' PCC
- 24' AC
- 15' AC
- 33' AC
- 24' AC
- 36' AC
- 40' AC
- 36' AC

Shoulder: Width and Type
- 0
- 2'–4' AC (PCC on Structures)
- (10' Raised Grass)
- 0'–2' AC

**Divided Highway**

Median: Width and Type (M/M Guardrail, Conc. Barrier, Chain Link Fence)
- 0'–18' Painted AC
- 18' Grs.
- (Structure)
- 15'–30' Grass
- Structure
- 20'–30' Grass
- 10'–300' Parkway
- 20'–3' Grass
- 3' Raised Conc.
- 3'–15' Raised Grass
- 6'–12' Raised Grass
- 4'–10' Raised Grass
- 6'–3' Raised Conc.
- 8'–10' Grass

Shoulder: Width and Type (Median Curb)
- 1'–3' AC
- 3'–5' AC (PCC on Structures)
- 2'–0' AC (PCC on Structures)

Pavement: Width and Type
- 24' AC
- 24' PCC
- 24' AC (24' PCC)
- 15' AC (24' AC)
- 24' PCC
- 24' AC
- 24' AC
- 33' AC
- 36' AC

Shoulder: Width and Type
- (6' AC) 4'–6' AC
- 0
- 10' AC
- 0'–2' AC
- 2'–4' AC (PCC on Structures)
- 8'–10' AC (PCC on Structures)
- 1'–4' AC

Number of Traffic Lanes
- (1–11') (2–12')
- 4–12'
- 1–15' 2–12'
- 2–15' 1–15'
- 3–11' 2–12'
- 4–12'
- 2–12'
- 3–12' 3–11'
- 6–12'
- (6–13.3') 6–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) ⟨u = u turn

(Right Side) u⟩ = u turn

Frontage Road: No. of Lanes, and Width (Right and Left)

Sidewalk: Width and Type (Right and Left)
- 7' Conc. S.W. (2' Conc. Gutter)
- (6' Conc. Gutter)
- 5' Conc.
- (10' Conc.) 5' Conc. 5' Conc. 6' Conc. 4' AC 4' Conc. 6' Conc.
- Conc. Curb

Curb and/or Gutter: Type (Right and Left)

Protective Devices: Type, Location and Number: Metal Rails on Concete Posts | M/M | Metal Rails on Concete Posts | Barrel Impact Attenuator

Illumination: Type, Location and Number: M.V. | (M.V.) | Mercury Vapor

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Large Urbanized (4) (Honolulu – 52)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Flat ① | Rolling ② | Flat ①

Speed: 1–Design, 2–Posted: 45 MPH ② | 35 MPH ②

Intersection Control Devices: Type, Location and Cycle Timing
- 3 Phase
- 3 Phase (B72 0099 01600)
- 3 Phase
- 3 Phase (B72 0099 01670)
- 3 Phase
- (+) Run Only
- 2 Phase (B72 0099 01802)
- 4 Phase
- 4 Phase
- 3 Phase
- 3 Phase
- 3 Phase
- 3 Phase

Traffic Stations (Current Year)
- (B72 0099 01490) B72 0099 01514 15.56
- B72 0099 01586 16.03
- B72 0099 01613 16.35
- B72 0099 01629
- B72 0099 01645 16.69
- B72 0099 01660
- B72 0099 01675 16.92
- B72 0099 01683
- B72 0099 01693
- B72 0099 01728 17.51
- B72 0099 01738
- B72 0099 01747 17.74
- B72 0099 01765 18.09
- B72 0099 01802
- B72 0099 01811 18.13
- B72 0099 01830 18.99
- B72 0099 01854 19.35
- B72 0099 01901
- B72 0099 01914
- B72 0099 01966 19.94

HPMS Sectiona – AADT 2007
- 31,010 | 24,645 | 38,990 | 38,280 | 37,575 | 45,050 | 46,160 | 47,370 | 65,550 | 65,550 | 54,945 | 40,300 | 42,000 | 49,290

HPMS Sectiona – AADT 2006
- 30,700 | 24,400 | 38,600 | 37,900 | 37,200 | 44,600 | 45,700 | 46,900 | 64,900 | 64,900 | 54,400 | 39,900 | 41,600 | 48,800

HPMS Sectiona – AADT 2005
- 30,376 | 24,175 | 38,247 | 37,558 | 36,868 | 44,109 | 45,257 | 46,405 | 64,300 | 65,111 | 64,300 | 53,909 | 39,489 | 41,173 | 48,279

DOD Sections

Census Tracts

Functional Classification: Freeway & Expressway (Connecting Link) (12) | Principal Arterial (14)

National Highway System (NHS): Not On NHS (0)

Previous Projects: Project No., Date and Limits
- NH–099–1(9), (Widening) 1995
- 99C–01–78M, (R) 1979
- HWY–0–03–83M, (R) 1983
- 99C–01–76 M, (R) 1978
- C–99–01–60, 1960
- F–7(21), 1953
- 90A–01–77M, (R) 1978
- U–090–1(9), 1965
- 90–BC–01–73, (R) 1975
- U–090–1(9), 1965 (HWY–0–01–88M, (R) 1988)
- (FAP 7–F, 1932)
- FAP 7–C, 1931
- I–H1–1(36):8, 1967
- I–H1–1(47):9, 1968
- F–9(35), 1952
- F–090–1(6), 1961
- (DA–NR 13(2), 1944)

SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| May 2002 | |
| **Revised** | |
| Aug. 04 | D.B. |

# ROAD INVENTORY

# OAHU RTE 99
# KAMEHAMEHA HWY.

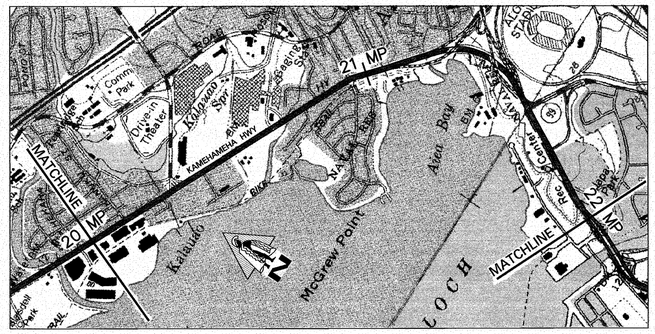
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

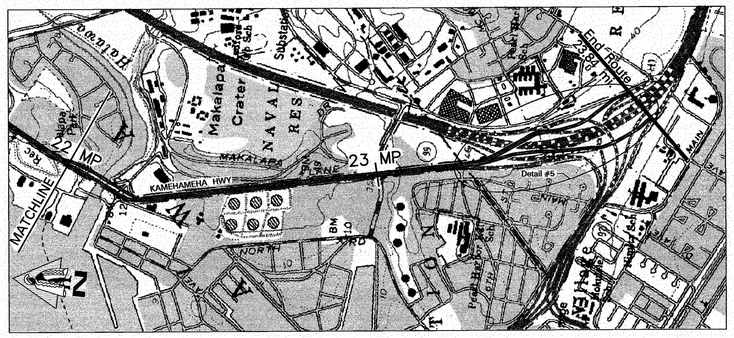
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 23.83 | MILES (a+b) |
| a. Existing Length: | 23.83 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 23.83 | MILES (a+b, less c) |
| a. Existing Length: | 23.83 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

99E (3.11mi.) | End 99E & Begin 99F @ N.W. End of Aiea Br. | 99F (1.03mi.) | End 99F Begin 99G 200' S.E. of Halawa Gate Centerline. | 99G (1.67mi.) | End 99G Same as End of Route.

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- 45' 108' P/CB, HS20, 1966 54' 60' — Kalaauo Springs Br. / Kalaauo Str. Br.
- OTH, HS20, 1965 49' — Aiea Br.
- SMS, 1966 — Aiea Int. Struct. #2
- SMS, 1965 — Aiea Int. Struct. #4
- P/CB, HS-20, 1970 200' — Halawa Br.
- Presstressed Conc Girder, HL-93, 2006 277'
- Structure #2 56' P/T Box Girder, HS-20, 1977 — Structure #3 304'
- Struct. #6 (L) 870' — Struct. #4 126'
- P/T Box Girder & Reinforced Conc. Box Girder, HS-20, 1977 870' — Struct. #6 (R) 39'
- Reinforced Conc. Box Girder, HS-20, 1977 294' — Struct. #7 12'

Vertical Clearance
- 39' 39'
- 39' 38'
- 80'
- 37' 48' – 3"
- 16' 18'
- 40'
- 16.7' 16.7' 16.5' 39'

Horizontal Clearance
- 18' 16' 07"
- 44' 46'

**Structure Over Road**

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 70' –240'

Available Right of Way Width (Needs Study): Industrial / Residential

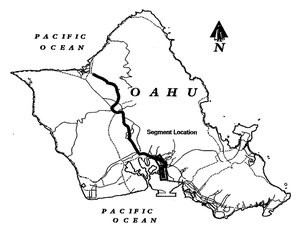
Right of Way Fence: Type – Right and Left: Chain Link Fence | Wood | C. L. Fence

Control of Access: 1–None, 2–Partial, 3–Full: Partial | None

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State

Project No., Type of Construction, and Year Constructed
- (HWY-O-01-88M, (R) 1988)
- (90BC-01-76M, (R) 1976)
- (BR-099-1(19), Inbound Bridge Replacement, 2007)
- Outbound Only, CMAQ-099-1(22),Bikeway, 2007

Project No., Type of Construction, and Year Constructed: 99E–01–91M, (R) 1992 | STP–099–1(15), (R) 1996 | 99EF–01–87M, (R) 1987 | NH–092–1(22), (R) 1995




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

20.00 mi. CONTINUED FROM SHEET #4

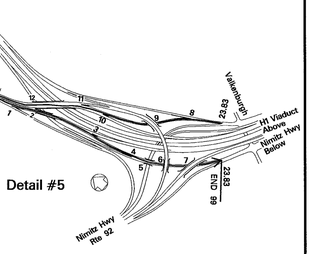
Kanuku St. 20.06 mi. | Kaonohi St. 20.25 mi. | Lipoa Pl. 20.35 mi. | Kalaauo Springs Br. 20.46 mi. | Paii Momi St. 20.59 mi. | Kahuhipa St. & Telemeter Sta. 20.67 mi. | Alea Kai Pl. 20.72 mi. | Kihale St. 20.76 mi. | Honomanu St. 20.77 mi. | McGrew Loop 20.88 mi. | Off Ramp to Moanalua Frwy 21.03 mi. | On Ramp from Moanalua Frwy Alea Br. 21.13 mi. | Alea Int. Struct. #2 21.17 mi. | Paved Rd. 21.23 mi. | Alea Int. Struct. #4 21.33 mi. | Ramp to Moanalua Freeway & Moanalua Frwy 21.47 mi. | On Ramp from Alea 21.48 mi. | 21.54 mi. | Road (R) Out Bound | Salt Lake Blvd (L) In Bound | Ford Island (R) Blvd 21.88 mi. | Acc. to Playing Field | Kohomua St. 21.76 mi. | Kaidon St. 21.81 mi. | Halawa Dr. | Arizona Memorial Pl. 21.98 mi. | Halawa Br. | Arizona Memorial Pl. (Halawa Gate) 22.12 mi. | Bus Turn-out 22.22 mi. | Bus Turn-out 22.50 mi. | Bus Turn-out 22.53 mi. | Radford Dr. 22.86 mi. | 9 MP | (Makalapa Gate) 22.94 mi. | Center Dr. 23.19 mi. | Ramp (92 West) | Structure #2 23.26 mi. | Ramp (From Nimitz Hwy I.B.) 23.31 mi. | Ramp (To H1 I.B.) 23.43 mi. | Ramp (From H1 I.B.) 23.45 mi. | Ramp 23.47 mi. | Ramp (To H1) 23.58 mi. | 23.63 mi. | Structure #4 23.82 mi. | Structure #6 23.75 mi. | Structure #7 23.74 mi.

KAMEHAMEHA HIGHWAY

263+00 | 260+48.50 | 255+90 | 212+70 | 210+00 | 265+00 | 264+25 | 255+40

Detail #5

23.83 mi. END RTE. 99 ON THE MAKAI FRONTAGE ROAD AT THE MERGE POINT (PAINT) OF RAMP "NS" FROM NIMITZ HWY. AT PEARL HARBOR INTERCHANGE.




SCALE: (In Miles) 4" = 1 mile

**Divided Highway**

Undivided

Shoulder: Width and Type
- (39' AC) 36' AC
- (39' AC) 36' AC 20.50
- 20.70 36' AC
- 0'–2' AC 36' AC
- 21.84 24' AC
- 21.97 50' AC
- 22.17 38' AC
- 5' AC Bike Route 22.23
- (22' AC) (28' AC) 28' AC
- 6' AC Bike Route 24' AC
- 22.74 3' AC Bk. Rt. 22.87
- 5' AC Bk. Rt. 22.98
- 23.19 36' AC
- 6'–8' AC (PCC on Structures) 48' AC
- 23.67 24' AC

Pavement: Width and Type
- 0'–2' AC 36' AC
- 21.84 24' AC
- 21.97 50' AC
- 22.17 38' AC
- (2'–20' Raised Shrubs & Grass) 28' AC
- (20' AC Raised) 24' AC
- 22.74 6'–4' AC (PCC on Structures)

Shoulder: Width and Type
- 22' Flush Grass 20.50
- 22' Raised Grass 20.70
- 5'–20' Grs. 20.90
- 6'–15' Raised Grass 21.27
- 2'–4' Raised AC 21.41
- 15' Raised Grv. 21.52
- 2'–15' Raised AC 21.67
- 3'–6' Raised Conc. 21.74
- Conc. Barrier 21.87
- 30' Grs. 22.09
- 20' Raised Shrubs & Grass 22.26
- 3' AC Raised 22.78
- 2'–8' Raised Grass 23.00
- 5' AC Raised 23.19
- (Conc. Barrier) Interchange 23.67
- 4' AC Gutters 23.87
- (8' Conc.)

Median: Width and Type — ☐ = Conc. Barrier | ⊢ = M/M Guard Rail | ◺ = Chain Link Fence

Shoulder: Width and Type — = Median Curb

Pavement: Width and Type
- 1'–4' AC (PCC on Structures) (38' AC) 36' AC
- 20.70 36' AC
- 21.00 24' AC
- 21.24 38' AC
- 21.98 7' AC
- 22.14 8'–10' AC
- 22.94 36' AC
- 23.19 0'–1' AC
- 23.29 24' AC
- 23.87 8' AC (PCC on Structure)

Shoulder: Width and Type
- (39' AC) (39' AC) 0'–1' AC
- (4–12.6') 6–12'
- (6–13') 6–12'
- 6–12'
- 3–12' 2–12'
- 4–12.6'
- 3–12.6'
- 6–12.6'
- 2–14' 3–12.6'
- (1–14' TL)
- 7' AC
- 8'–10' AC
- 2–12' 3–12'
- 0'–1' AC 6–12' (3–12')
- 23.29 2–12'
- 23.87 4–12'
- 8' AC (PCC on Structure)

Number of Traffic Lanes

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)

(Right Side)

Frontage Road: No. of Lanes, and Width (Right and Left)

Sidewalk: Width and Type (Right and Left)
- 3'AC (6' Conc.) 4'–6' Conc. 20.15
- 4' AC 20.40
- (4' Conc.) 20.60
- (6' Conc.) 20.72
- 20.80 8' Conc. 20.88
- 21.00 5' Conc. 21.04
- 10' Conc. S.W. 21.66
- 5' Conc. S. W. 22.28
- (10' Conc. S. W.) 22.80
- 4' 23.23
- 8' 23.28
- 4' 23.32
- 4' 23.36
- 4' 23.40
- All AC Gutters

Curb and/or Gutter: Type (Right and Left)
- Conc. Curb 22.17
- Curb 23.23

Protective Devices: Type, Location and Number
- 20.48 M/M Guardrails 20.68
- (Wood Rails on Concrete Posts) 22.20
- (Metal Rails on Concrete Posts) 22.62
- (Metal Rails on Concrete Posts) 23.36
- 23.47

Illumination: Type, Location and Number
- Mercury Vapor Lamps 20.58
- 8 HPS Lamps 21.03
- Mercury Vapor Lamps 22.35
- 22.88 Mercury Vapor (M.V.) 23.36

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Large Urbanized (4) (Honolulu – 52)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Flat ① 20.69 | Rolling ②

Speed: 1–Design, 2–Posted: 35 MPH ②

Intersection Control Devices: Type, Location and Cycle Timing
- 20.50 3 Ph 20.58
- 3 Phase 20.68
- 3 Phase 20.87
- 2 Phase 21.09
- (B72 0099 02151) (B72 0099 02147) (B72 0099 02144)
- 3 Phase 21.72
- 3 Phase (B72 0099 02202) 22.03
- 3 Phase 22.70
- 4 Phase 22.94
- 3 Ph 23.10
- (B72 0099 02319) 23.24
- 23.30 2 Phase 23.72

Traffic Stations (Current Year)
- B72 0099 01966
- B72 0099 02025
- B72 0099 02073
- B72 0099 02091
- B72 0099 02103
- B72 0099 02117
- B72 0099 02154
- B72 0099 02168
- B72 0099 02181
- B72 0099 02192
- B72 0099 02211
- B72 0099 02294
- B72 0099 02305
- B72 0099 02326
- B72 0099 02346

HPMS Sections – AADT 2007
- 49,290 | 60,095 | 76,255 | 52,725 | 38,280 | 31,615 | 30,505 | 28,685 | 26,870 | 23,435 (26,465) 8,790 | 18,285

HPMS Sections – AADT 2006
- 48,800 | 59,500 | 75,500 | 52,200 | 37,900 | 31,300 | 30,200 | 28,400 | 26,600 | 23,200 (26,200) 8,700 | 18,100

HPMS Sections – AADT 2005
- 48,279 | 58,928 | 74,746 | 51,720 | 37,532 | 30,974 | 29,921 | 28,108 | 26,294 | 22,921 (25,911) 8,603 | 17,888

DOD Sections

Census Tracts

Functional Classification: Principal Arterial (14)

National Highway System (NHS): Not On NHS (0) | 22.02 On NHS (1)

Previous Projects: Project No., Date and Limits
- 21.18 STP–099–1(15), (R) 1996 22.08
- 99EF–01–87M, (R) 1987 23.19
- 90BC–01–76M, (R) 1976 21.81
- 22.07 99EF–01–87M, (R) 1987 23.19
- 90C–02–75, (Bikeway– Right Side) 1977 22.11 22.89
- 21.65 F–099–1(14), 1968 21.84
- 90CD–01–74, (R) 1974 22.97 23.17 23.22 23.34
- L–H1–1(73):15, 1977
- U–099–1(9), 1965 (908D–03–70, 1971)
- (DANR 13(3), 1945)
- (SN(DC) FAP 9–A(9), 1945)
- (I–H1–1(110):14, 1976)
- (I–H1–1(110):15, 1978)
- DA–NR 13(2), 1944 20.74 20.87
- DA–NR 13(2), 1944 21.82 21.94 22.06
- U–099–1(16), 1969 22.91
- SN(DC) FAP 9–A(9), 1945
- (U–099–1(16), 1969) 21.99
- (U–099–1(15), 1969)

SCALE: (In Miles) 4" = 1 mile

| Date Released |
|---|
| May 2002 |

| Revised | |
|---|---|
| Apr. 04 | D.B. |
| 6/06 | D.B. |
| 3/07 | D.B. |
| 12/07 | D.B. |

# ROAD INVENTORY

# OAHU RTE 750
# KUNIA ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

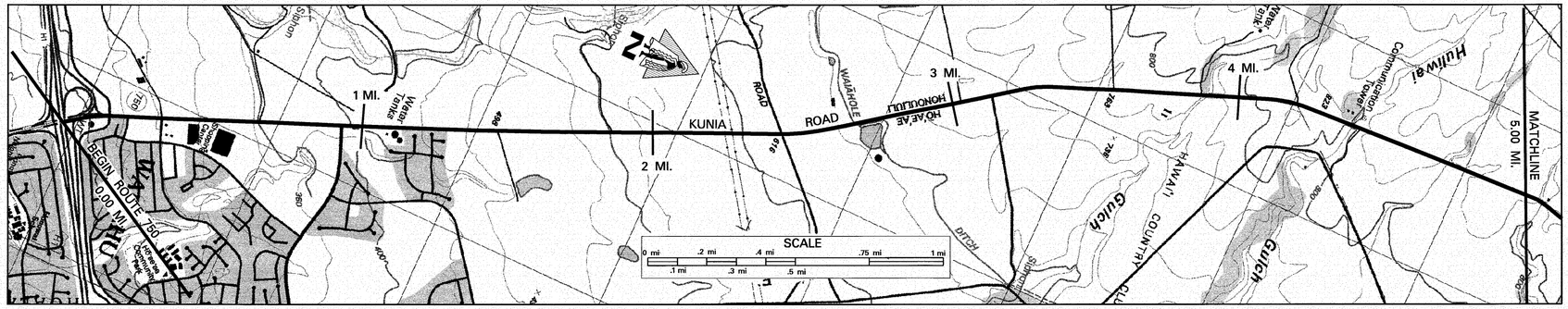
**Total Route Length:** 8.05 miles

**a. Survey Length:** 8.05 miles

**b. Proposed Length:** 0.00 miles

**c. Other Length: *** 0.00 miles

*




SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

**Maintenance Control Sections : Length and Description**

0.10 BEGIN 750A ON KUNIA ROAD AT THE NORTH BOUNDRY OF KUNIA INTERCHANGE — 750A (7.92 MI.)

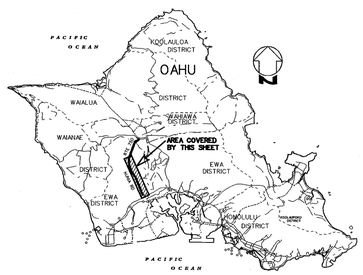
**Structure Carrying Road**

- **Bridges (Over 20'): Length, Type, Capacity and Year Constructed** — PRESTRESSED BEAM, 1967, HS 20
- **Vertical Clearance** — 9.01
- **Horizontal Clearance**

**Structure Over Road**

- **Vertical Clearance** — 16.2'
- **Horizontal Clearance** — 32.0'

- **Right of Way Width (min.–max.) if varies** — 120' (0.10) | 0.21 80' | 0.89 60'–130'
- **Available Right of Way Width (Needs Study)** — CLEAR 1000' – SUGAR CANE 20' FROM PAVEMENT | 4.38 CLEAR 1000' – PINEAPPLE 20' F.P.
- **Right of Way Fence: Type – Right and Left** — 0.05 (0.10) CHAINLINK 20' FROM PAVEMENT | 1.09 (1.15) CHAINLINK 20' FROM PAVEMENT
- **Control of Access: 1–None, 2–Partial, 3–Full** — NONE
- **Jurisdiction, Transfer Phase No. and Date (C to S or S to C)** — STATE
- **Project No., Type of Construction, and Year Constructed** — HWY-0-01-04 Imprvts, 2005; 0.16 (0.18) 0.21 IM–STP–0750(10), WIDENING, 2001 | 0.89
- **Project No., Type of Construction, and Year Constructed** — (IM-H1-1(219), IMPRV., 2000) | STP–0750(8), RESURF., 1994 | 3.27 SR–0750(6), RESURF., 1984 | 4.00 STP–0750(9), RESURFACING, 1996




**Road Diagram**

* MP = Milepost Signage

BEGIN ROUTE 750 ON KUNIA ROAD AT THE CENTERLINE INTERSECTION OF H–1 FREEWAY (SAME AS END RTE 76)

0.00 mi. — H-1 WEST BOUND O.P. — H-1 OFF-RAMP — H-1 ON-RAMP & END DIVIDED — KUPUNA LOOP CANE HAUL RD. — BEGIN DIVIDED — KUPUNA LOOP — 0.33 MI. — END DIVIDED — 0.58 MI. — ANONUI ST. & BEGIN DIVIDED — 0.94 MI. — END DIVIDED BOARD OF WATER SUPPLY TANKS — 1.12 MI. 1.10 MI. — OLD PINE FIELD ROAD — 1.48 MI. — KUNIA ROAD — KUPEHAU ROAD (GARST RESEARCH CENTER) — 2.44 MI. — CANAL HAWAII RESEARCH CENTER — 2.70 MI. 2.67 MI. — PINE FIELD ROAD — 3.16 MI. — PINE FIELD ROAD — 3.58 MI. — HAWAII COUNTRY CLUB GOLF COURSE (@ UTILITY POLE) — 3.79 MI. — 4 MP — 4.01 MI. — ROAD — 4.45 MI. — H-1 OFF-RAMP

Indicates Grass & / or Physical Barrier on Median.

CONTINUED ON SHEET #2

5.00 mi.

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

**Divided Highway — Undivided**

- **Shoulder: Width and Type** — 2' AC (0.17) | 4' AC | 3' AC | 3.27 4' AC
- **Pavement: Width and Type** — (36' AC) 24' AC | 60' AC | 48' AC | 24' AC | 50' AC | 0.84 36' AC | 12' AC | 22' AC
- **Shoulder: Width and Type** — 0.08 0 | 1' AC | 0 | 0 | 0 | 3' AC | 2.67 8' AC | 2.72 3' AC | 3.27 4' AC
- **Median: Width and Type** — (0'–15' PAINT & RAISED CONC.) | 12' PAINTED AC | 4' PAINTED AC
- **Median Barriers:** — 0.13 | 0.24 | 0.88 | 0.84 | 1.12
- **Shoulder: Width and Type** — 0.05 0 | 0 | 0
- **Pavement: Width and Type** — (24' AC) 36' AC | 0.28 24' AC | 26' AC | 12' AC
- **Shoulder: Width and Type** — (5' AC) 1' AC | 0.17 | 0 | 16' AC | 1.08 (8' AC)

- **Number of Traffic Lanes** — (3–12' (0.05)) 2–12' | (2–12' (0.04)) 3–12' | 4–12' | 2–12' | 1–12', 1–14' | 0.84 1–12' | 2–12' | 2–11'
- **Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)** — 0.03 0.14 0.33 0.40 10' T.L. | 0.84 1.10
- **(Right Side)** — 12' T.L. | 10' T.L. | 10' T.L. | 0.84 0.94
- **Frontage Road: No. of Lanes, and Width (Right and Left)** — 0.08 0.11 0.17 0.22 0.33
- **Sidewalk: Width and Type (Right and Left)** — 8' CONC. S.W. 1.12
- **Curb and/or Gutter: Type (Right and Left)** — (GUTTER .01 – .02) CURB 0.29 | 2' CONC. CURB & GUTTER 1.12
- **Protective Devices: Type, Location and Number** — ALL METAL ON METAL UNLESS OTHERWISE INDICATED — CONC. POST STEEL RAILS 0.86 1.01 | CONC. POST STEEL RAILS 3.90 3.99
- **Illumination: Type, Location and Number** — 5 MV 0.21 27 HPS LAMPS 0.84
- **Curves: Degree of Curvature (Right and Left)**
- **Grades: %** — 0.19 +8 0.52 0.68 +3 0.70 0.73 +2 0.98 1.07 +6 1.41 1.54 +1 1.70 1.75 +3 1.96 2.60 +3 2.70 2.86 +3 3.28 3.52 +2 3.66 3.94 +6 4.08 4.42 +4 4.65 4.81 +3 4.92
- **HOV Lanes/Contra-Flow Lanes**
- **Vertical Curve: Crest or Sag, Curve Limits**
- **Area and Development:** — LARGE URBANIZED (4) (HONOLULU – 52) 2.00 | RURAL (1)
- **Terrain: 1–Flat, 2–Rolling, 3–Mountainous** — (2) ROLLING
- **Speed: 1–Design, 2–Posted** — 2 PHASE 35 MPH (2) | 0.89 0.97 4 PHASE 3 PHASE 45 MPH (2) | 4.97 (35 MPH (2))
- **Intersection Control Devices: Type, Location and Cycle Timing** — 0.19 0.21 0.33 (B72 0750 00089) 0.84
- **Traffic Stations (Current Year)** — (B72 0750 00090) 0.09 B72 0750 00005 | 0.27 B72 0750 00033 | 0.88 B72 0750 00094 | 2.75 B72 0750 00200 | B72 0750 00378 4.86 B72 0750 00488
- **HPMS Sections – AADT 2007** — (75,550) 42,525 | 19,695 | 14,345 | 12,625 | 12,325
- **HPMS Sections – AADT 2006** — (74,800) 42,100 | 19,500 | 14,200 | 12,500 | 12,200
- **HPMS Sections – AADT 2005** — (74,047) 0.05 41,648 | 0.33 19,287 | 0.88 14,108 | 3.78 12,409 | 4.88 12,112
- **DOD Sections**
- **Census Tracts**
- **Functional Classification** — 2.00 PRINCIPAL ARTERIAL (14) | MINOR ARTERIAL (6)
- **National Highway System (NHS)** — NOT ON NHS (0)
- **Previous Projects: Project No., Date and Limits** — STP–0750(8) RESURFACE, 1994; 750A–01–82M, RESURFACE, 1982; A–75–01–64, 1964 (R); NRH–16A, 1933; 4.00 STP–0750(9), RESURFACING, 1996; 3.27 SR–0750(6), RESURFACE, 1984; 0.18 (I–H1–1(18), U–2,1965); 107 + 00 97 + 64.61 448 + 53.41

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

| Date Released | |
|---|---|
| *MAR. 05, D.B.* | |
| **Revised** | |
| 5/06 | G.N. |

# ROAD INVENTORY

# OAHU RTE 750
# KUNIA ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

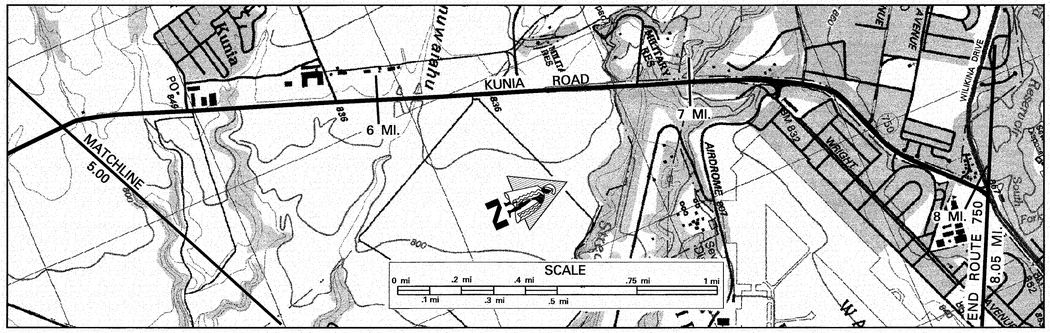
**Total Route Length:** 8.05 miles

**a. Survey Length:** 8.05 miles

**b. Proposed Length:** 0.00 miles

**c. Other Length: *** 0.00 miles

*




SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

**Maintenance Control Sections : Length and Description**

750 A (7.92 MI.) — END 750 A SAME AS END ROUTE

**Structure Carrying Road**
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Vertical Clearance
- Horizontal Clearance

**Structure Over Road**
- Vertical Clearance
- Horizontal Clearance

**Right of Way Width (min.–max.) if varies:** 60' – 130' | 100'

**Available Right of Way Width (Needs Study):** CLEAR 1000' – PINEAPPLE – 20' FROM PAVEMENT | MILITARY RESERVATION

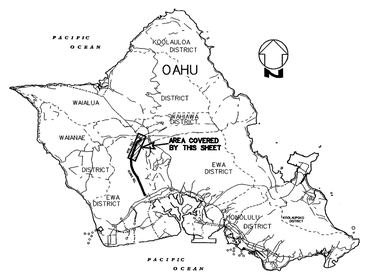
**Right of Way Fence: Type – Right and Left:** NONE

**Control of Access: 1–None, 2–Partial, 3–Full:** STATE

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

**Project No., Type of Construction, and Year Constructed:** (STP-0750(9), RESURFACING, 1996); (RS-0750(7), (R), 1986); (STP-0750(11), 2000); STP-0750(9), RESURFACING, 1996; STP-7500(1), 1997, (R)

**Project No., Type of Construction, and Year Constructed**




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

CONTINUED FROM SHEET #1 — 5.00 MI.

5 MP — KUNIA ROAD — 6 MP — 7 MP

KUNIA PLANT (5.44 MI.) | RD. TO DEL MONTE CORP. (5.74 MI.) | RD. TO KUNIA ELEM. SCHOOL (5.91 MI.) | PRIVATE DOMAIN (6.00 MI.) | STATE DOMAIN (6.39) | COMMUNICATION STATION (6.49 MI.) | U.S. ARMY STATION (6.82) | MIL. DOMAIN (6.86 MI.) | BEGIN DIVIDED HWY (7.01 MI.) | LYMAN GATE WRIGHT AVE. (KUNIA GATE) (7.19 MI.) | FOOTE AVE (7.32 MI.) | SPUR KOLOLOEA PL. (7.40 MI.) | LEILEHUA RD. (7.64 MI.) | (7.93 MI.) | (8.00 MI.)

END ROUTE 750 ON KUNIA ROAD AT THE SOUTH E.P. OF WILIKINA DRIVE (RTE 99) — 8.05 MI.

SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

**Divided Highway — Undivided**
- Shoulder: Width and Type: 4' AC | 3' AC | 8' AC | 3' AC | 8' AC | 1'–6' AC | 0
- Pavement: Width and Type: 22' AC | 24' AC (12' AC) | 24' AC (12' AC)
- Shoulder: Width and Type: 4' AC (8' AC) | 3' AC | 9' AC | 3' AC | 9' AC | 1'–6' AC | 0

**Divided Highway**
- Median: Width and Type: 20' RAISED GRASS
- Median Barriers:
- Shoulder: Width and Type: 0
- Pavement: Width and Type: (12' AC) | 24' AC | (12' AC)
- Shoulder: Width and Type: (1'–6' AC) | 0 | 20' AC | 2.74 | 0

**Number of Traffic Lanes:** 2–11' | 2–12' | 4–12' | (2–12')

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

**(Right Side)**

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left):** 4' | 4' | 4' | 4'

**Curb and/or Gutter: Type (Right and Left):** 1 | 2 | 1 | 7.71 | 2 | 7.93 | 1 — 1=CONC. CURB 2=MOUNTABLE CONC. CURB

**Protective Devices: Type, Location and Number:** ALL METAL ON METAL UNLESS OTHERWISE INDICATED

**Illumination: Type, Location and Number:** HPS

**Curves: Degree of Curvature (Right and Left)**

**Grades: % Grade, Positive or Negative:** –6 | +6

**HOV Lanes/Contra-Flow Lanes**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:** RURAL (1) | LARGE URBANIZED (4) (HONOLULU –52)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous:** (2) ROLLING | FLAT | ROLLING | FLAT

**Speed: 1–Design, 2–Posted:** 35 MPH (2) | NOT POSTED

**Intersection Control Devices: Type, Location and Cycle Timing:** TRAFFIC LIGHT 3 PHASE | TRAFFIC LIGHT

**Traffic Stations (Current Year):** B72 0750 00488 | B72 0750 00704 | B72 0750 00719 | (B72 0750 00802)

**HPMS Section – AADT 2007:** 12,325 | 15,760 | (24,645)

**HPMS Section – AADT 2006:** 12,200 | 15,600 | (24,400)

**HPMS Section – AADT 2005:** 12,112 | 15,404 | (24,141)

**DOD Sections**

**Census Tracts**

**Functional Classification:** MINOR ARTERIAL (6) | MINOR ARTERIAL (16)

**National Highway System (NHS):** NOT ON NHS (0) | ON NHS (1)

**Previous Projects: Project No., Date and Limits:**
- STP-0750(9), RESURFACING, 1996
- RS-0750(7), RESURF., 1986
- 7500A-01-88M, (R), 1988
- SR-0750(6), RESURFACE, 1984
- 750A-01-71, (R), 1971
- A-75-01-64, 1964, (R)
- NRH-16A, 1933
- DAWR 8(3), 1947

SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

| Date Released |
|---|
| MAR. 05, D.B. |

| Revised | |
|---|---|
| 6/06 | D.B. |

# ROAD INVENTORY

# OAHU RTE 901
# FORT BARRETTE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

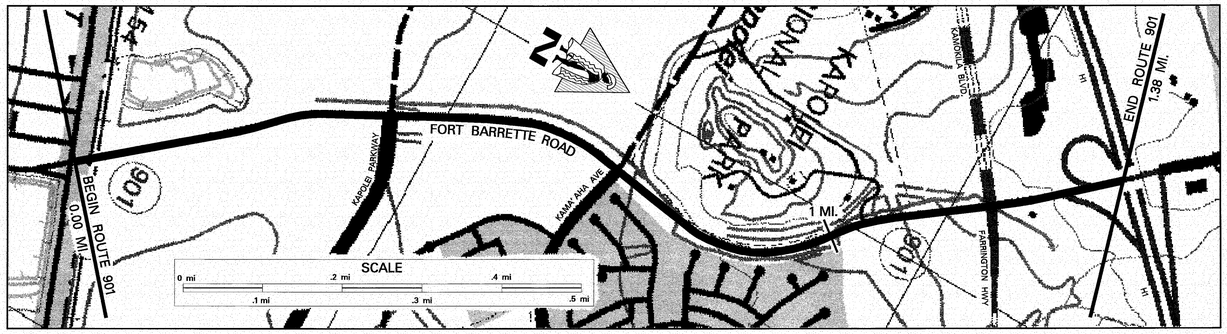
**Total Route Length:** 1.38 miles

**a. Survey Length:** 1.38 miles

**b. Proposed Length:** 0.00 miles

**c. Other Length: *** 0.00 miles

*




SCALE: (In Miles) 10" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00

**Maintenance Control Sections : Length and Description**

BEGIN 901A ON BARBERS POINT ROAD AT THE NAVAL RES. GATE | 901A (1.38 MI.) | END 901A SAME AS END ROUTE

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

**Vertical Clearance**

**Horizontal Clearance**

**Structure Over Road**

**Vertical Clearance**

**Horizontal Clearance**

**Right of Way Width (min.–max.) if varies**

120′ | 100′

**Available Right of Way Width (Needs Study)**

CLEAR 1000' SUGAR CANE 20' FROM PAVEMENT | 1.24 RESIDENTIAL

**Right of Way Fence: Type – Right and Left**

(CHAINLINK 20' FROM PAVEMENT) 0.80 – 0.81

**Control of Access: 1–None, 2–Partial, 3–Full**

NONE

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

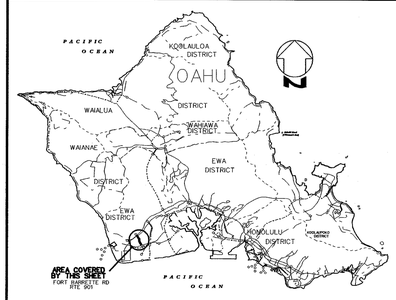
STATE

**Project No., Type of Construction, and Year Constructed**

1.23 H1A-01-02M, 2004, REHAB.

**Project No., Type of Construction, and Year Constructed**

(SR-901(1), (R), 1981) 0.02 | STP-0901(3), (R), 1993




Indicates Grass & / or Physical Barrier on Median.

## Road Diagram

* MP = Milepost Signage

BEGIN ROUTE 901 ON FORT BARRETTE ROAD AT THE NAVAL RES. GATE. 0.00 MI. 0 MP

RENTON RD. | KAPOLEI PARKWAY | END DIVIDED HWY | BEGIN DIVIDED HWY | WAIMANALO RD. | END DIVIDED HWY | KAMA'AHA AVE | BEGIN DIVIDED PAVED RD. | KAMOKILA BLVD. (L) | RAMP TO H-1 | RAMP TO H-1 | END ROUTE 901 ON FORT BARRETTE ROAD AT THE BEGINNING OF MAKAKILO O.P. (H-1) 1.38 MI. 1.38 MP

RR XING | FORT BARRETTE | ROAD | FARRINGTON HWY

0.02 MI. 0.00 MI. | 0.14 MI. | 0.41 MI. | 0.55 MI. | 0.57 MI. | 0.59 MI. | 0.71 MI. | 0.84 MI. | 1.05 MI. | 1.07 MI. | 1.19 MI. | 1.22 MI. | 1.31 MI. | 1.35 MI. | 1.38 MI.

SCALE: (In Miles) 10" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00

**Divided Highway — Undivided**

**Shoulder: Width and Type**

6′ AC | 12′ GRASS 1.22 0

**Pavement: Width and Type**

24′ AC 0.08 | 12.5′ AC | 25′ AC 0.55 | 12.5′ AC | 25′ AC | 13′ AC 1.15 | 24′ AC

**Shoulder: Width and Type**

0 | 6′ AC | 0 | 6′ AC | 0

**Median: Width and Type**

10′ FLUSH GRASS 0.14 | 12′ PAINT | 0.85 0.89 | 12′ PAINT | 0.84 | (0–10′ PAINTED) 1.07 | 1.13 10′ RAISED GRASS 1.22 | 12′ PAINT

**Median Barriers:**

**Shoulder: Width and Type**

0 | 0 | 0

**Pavement: Width and Type**

24′ AC 0.08 | 12.5′ AC | 12.5′ AC | 13′ AC 1.15 | 24′ AC

**Shoulder: Width and Type**

6′ AC | 6′ AC | 13′ CORAL 1.22 0

**Number of Traffic Lanes**

4–12′ 0.08 | 2–12.5′ | 2–13′ 1.15 | 4–12′ 1.38

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

0.41 – 0.50 | 0.71 – 0.80 | 1.22 – 1.31 ALL 12′ T.Ls.

**(Right Side)**

0.33 – 0.50 | 0.61 – 0.76 | 1.15 – 1.31

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**

1.28 8′ CONC.

1.24 4′ AC. 8′ CONC.

**Curb and/or Gutter: Type (Right and Left)**

CURB 0.11 | CURB

1.07 CURB & GUTTER | CURB & GUTTER

**Protective Devices: Type, Location and Number**

**Illumination: Type, Location and Number**

1.24 HPS

**Curves: Degree of Curvature (Right and Left)**

**Grades: % Grade, Positive or Negative**

**HOV Lanes/Contra–Flow Lanes**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

LARGE URBANIZED (4) (HONOLULU – 52)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**

0.08 (1) FLAT 1.23 (2) ROLLING

**Speed: 1–Design, 2–Posted**

25 MPH (2) NOT POSTED 0.10 | 45 MPH (2) | 0.83 | 40 MPH (2) | 1.08 NOT POSTED

**Intersection Control Devices: Type, Location and Cycle Timing**

2 PHASE LIGHT 0.57 | 2 PHASE TRAFFIC LIGHT 1.23

**Traffic Stations (Current Year)**

B72 0901 00000 | B72 0901 00008 | 0.58 B72 0901 00014 | 1.15 B72 0901 00015 | B72 0901 00122 1.30

**HPMS Sections – AADT 2007**

27,880 | 29,695 | 42,120

**HPMS Sections – AADT 2006**

27,600 | 29,400 | 41,700

**HPMS Sections – AADT 2005**

0.00 | 27,298 | 29,117 | 41,295 1.38

**DOD Sections**

0.08 0.14 DOD 360 1.15 1.22

**Census Tracts**

CT 86.02

**Functional Classification**

MINOR ARTERIAL (16)

**National Highway System (NHS)**

NOT ON NHS (0)

**Previous Projects: Project No., Date and Limits**

SR-901(1), RESURF., 1981 DAD 1(2), 1959 | 1.07 901A-01-72, 1972 1.22 | I-H1-1(139):1.31 1981 | (I-H1-1(17), UNIT 1, 1965)

SCALE: (In Miles) 10" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00

| Date Released | |
|---|---|
| MAR. 05, D.B. | |
| **Revised** | |
| 6/06 | D.B. |

# ROAD INVENTORY

# OAHU RTE 930
# FARRINGTON HWY. – KAUKONAHUA RD.
# KAMEHAMEHA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

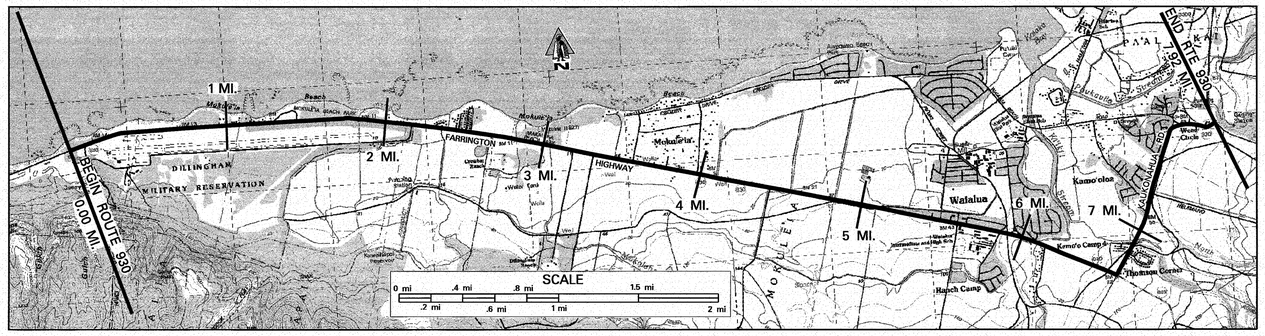
**Total Route Length:** 7.92 miles

**a. Survey Length:** 7.92 miles

**b. Proposed Length:** 0.00 miles

**c. Other Length: *** 0.00 miles

*




SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

**Maintenance Control Sections : Length and Description**

BEGIN 930 B SAME AS ROUTE. | 930 B (5.69 MI.) | END 930 B & BEG. 930 C ON FARR. HWY. AT CENTERLINE OF KUHI ST. 5.69 | 930 C (0.99 MI.) | 6.68 END 930 C & BEG. 930 D ON FARR. HWY. AT WEST E.P. OF KAUKONAHUA RD. | END 930 D SAME AS END ROUTE

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

SLAB, H15 1941 22' (1.21) | SLAB, H15 1940 52' (1.82) | SLAB, H15 1940 96' (2.81) | SLAB, H15 1940 50' (3.03) | SMS 1940 62' (5.95) | TBM, H15 1940 148' (6.15) | SLAB, H15 1941 23' (6.61) | OTHER, H15 1934 164' (6.90)

**Vertical Clearance**

**Horizontal Clearance**

**Structure Over Road — Vertical Clearance**

32' | 24' | 24' | 24' | 16'–04" | 26' | 36' | 24'

**Horizontal Clearance**

24'

**Right of Way Width (min.–max.) if varies**

60'–75' (0.92) | 80' (2.86) | 70' (5.97) | 70'–110' (6.42) | 60'–70' (7.01) | 60'–65' (7.20) | 60' (7.50) | 70'

**Available Right of Way Width (Needs Study)**

TREES AND BUSHES (1.98) | RESIDENTIAL (2.83) | 1000' CLR–SUGAR CANE 20'–30' F.P. (5.29) | RESIDENTIAL (6.19) | CLR 1000' SUGAR CANE

(WOOD 15' F.P.) (2.11) 2.53 (WOOD 30' F.P.) (3.26)

WOOD 30' F.P. (2.17)

**Right of Way Fence: Type – Right and Left**

NONE

**Control of Access: 1–None, 2–Partial, 3–Full**

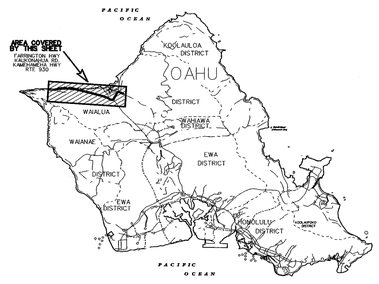
STATE PHASE I (C TO S)

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

**Project No., Type of Construction, and Year Constructed**

930B–01–90M, 1991 (3.18) | RS–0930(5), RESURF., 1988 (6.88) | 930D–01–88M, (R), 1988

**Project No., Type of Construction, and Year Constructed**




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

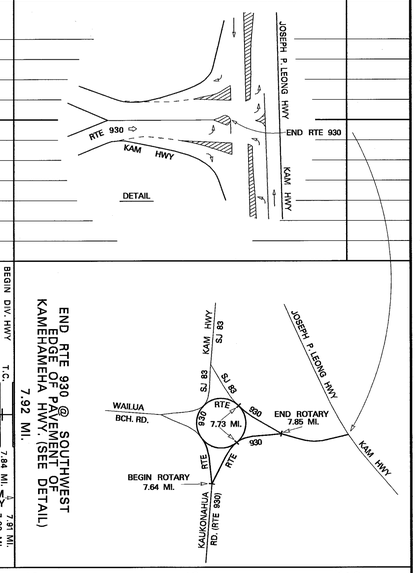
* MP = Milepost Signage

0.00 MI. BEGIN RTE 930 ON FARRINGTON HWY. @ THE KEEHI PORT OF ENTRY. 0.09 MI. WEST OF THE ACCESS RD. TO DILLINGHAM AIR FIELD (@ PROJECTED FENCE LINE W/ DILLINGHAM AIRFIELD)

GLIDER FIELD ENTRANCE 0.09 MI. | DILLINGHAM AIR FIELD ACC. RD. 0.34 MI. | KAWAIHAPAI BR. 1.21 MI. | MOKULEIA PK. (ENT.) 1.29 MI. | MOKULEIA PK. 1.43 MI. | POLI POLI BR. 1.82 MI. | DILLINGHAM A.F. 2.15 MI. | HOOMANA PL. 2.30 MI. | LAAU PAINA PL. 2.38 MI. | CULVERT 2.44 MI. | HOOMAHIA PL. 2.52 MI. | POLO GROUNDS 2.66 MI. | CROW BAR RANCH 2.72 MI. | KAPALAAU BR. 2.81 MI. | MAKALENA BR. 3.03 MI. | MOKULEIA (LAND CO.) 3.18 MI. | NO NAME ROAD 3.30 MI. | MAHINAI AI ST. 3.56 MI. | 'OLA' O PL. 3.77 MI. | OLOHI' O ST. 3.86 MI. | CULVERT & TELEPHONE SUBSTATION 4.08 MI. | CULVERT 4.43 MI. | FIELD ROAD 4.56 MI. | CULVERT 4.63 MI. | CANE HAUL RD. 5.11 MI. | KUHI ST. (S) 5.47 MI. | KAUPE RD. 5.52 MI. | KAHUA PL. 5.58 MI. | NALUAHI ST. 5.63 MI. | END DIV. HWY. 5.72 MI. | BEGIN DIV. HWY. 5.90 MI. | KUHI ST. (N) 5.96 MI. | KAHUI ST. 6.07 MI. | CULVERT 6.22 MI. | KAUPE RD. 6.35 MI. | KAHUA PL. 6.56 MI. | NALUAHI ST. 6.61 MI. | KAUKONAHUA RD. (RTE 803 SEE TOP MAP FOR PLANT RD. O.P.) 6.68 MI. | LOWER POAMOHO BR. 6.80 MI. | HOKULU'U PL. 6.85 MI. | KAAMOOLAA RD. 6.89 MI. | KIEKONEA WAY. 6.92 MI. | PA' AHIHI ST. 7.11 MI. | KEAKULA ST. 7.33 MI. | BEGIN WEED JCT. 7.46 MI. | END WEED JCT. 7.64 MI. | WEED RD. 7.74 MI. | BEGIN DIV. HWY. 7.89 MI. | T.C. 7.91 MI.

FARRINGTON HIGHWAY — KAUKONAHUA ROAD — KAM HWY

END RTE 930 @ SOUTHWEST EDGE OF PAVEMENT OF KAMEHAMEHA HWY. (SEE DETAIL) 7.92 MI.




SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

**Divided Highway — Undivided**

**Shoulder: Width and Type**

4' AC | 4' AC | 4' AC | 4' AC | 4' AC | 10'

**Pavement: Width and Type**

22' AC | (26' AC) 22' AC (23' AC) | 22' AC | 22' AC | 22' AC (26' AC) | 4' AC | (2' AC) (8') 24' AC | 20' AC | 24' AC (11' AC)

**Shoulder: Width and Type**

4' AC | 0 | 0 | 2' AC | 4' AC | 0 | 0 (0)

**Median: Width and Type**

(25' RAISED GRASS) | (0'–39' GRASS) (5'–25' GRASS) (0'–8' PAINTED) | (4' PAINTED AC) (0'–12' PAINTED)

**Median Barriers:**

**Shoulder: Width and Type**

0 | 0 (0)

**Pavement: Width and Type**

22' AC | 20' AC (11' AC)

**Shoulder: Width and Type**

(2–11.5') 0 (2–11') | 8'–12' (8' AC)

**Number of Traffic Lanes**

2–11' | (2–13') 2–11' | 2–22' | (2–13') 2–11' | 2–12' | 2–20' | (2–12') (2–11')

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

**(Right Side)**

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**

3'–6" CONC. | (6.5' CONC. S.W.) 9' CONC. S.W.

**Curb and/or Gutter: Type (Right and Left)**

(CONC. GUTTER) | CONC. CURB | CONC. CURB

**Protective Devices: Type, Location and Number**

WOOD ON CONC. | WOOD ON CONC. | W/C | W/C | M/M | M/M

**Illumination: Type, Location and Number**

INCAN. | 27 MV LAMPS | INCANDESCENT | INCAN. | 19 MER. VAPOR LAMPS E. BND.

**Curves: Degree of Curvature (Right and Left)**

**Grades: % Grade, Positive or Negative**

**HOV Lanes/Contra–Flow Lanes**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

RURAL (1)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**

FLAT

**Speed: 1–Design, 2–Posted**

NOT POSTED | 35 MPH (2) | 45 MPH (2) 35 MPH (2) | 25 MPH (2) 45 MPH (2) | 25 MPH (2) | 35 MPH (2) | (25 MPH (2)) 25 MPH (2) | (45 MPH (2))

**Intersection Control Devices: Type, Location and Cycle Timing**

**Traffic Stations (Current Year)**

B72 0930 00000 (1.82) 1,720 | B72 0930 00215 (2.81) 2,525 | B72 0930 00408 (4.43) 3,535 | B27 0930 00490 | B72 0930 00510 | B72 0930 00552 (5.90) 6,770 | B72 0930 00622 (6.30) 8,585 | B72 0930 00668 (7.35) 7,175

**HPMS Sections – AADT 2007**

1,720 | 2,525 | 3,535 | 6,770 | 8,585 | 7,175

**HPMS Sections – AADT 2006**

1,700 | 2,500 | 3,500 | 6,700 | 8,500 | 7,100

**HPMS Sections – AADT 2005**

1,657 | 2,513 | 3,432 | 6,631 | 8,414 | 6,984 (7.02)

**DOD Sections**

DOD 326 (2.15–4.08) | DOD 330 (6.22–6.68) | 99.02 (6.15–6.68) | 100 (6.68–7.02)

**Census Tracts**

CT 99.01

**Functional Classification**

MAJOR COLLECTOR (6)

**National Highway System (NHS)**

NOT ON NHS (0)

**Previous Projects: Project No., Date and Limits**

930B–01–69, 1970 (1.23) WDR 4(1) 1950 (1.20) | (1.51) (WDR 4(1), 1950) (1.83) | (1.94) FAP 35 A(1) 1939 (2.23) | (2.66) 930B–01–73, (R), 1974 (3.17) (3.26) | WDR 4(1) 1950 | (RS–0930, 1979, WIDEN, RESURF, SHLDR. IMPRV.) (6.68) (7.63) | A–99–01–65, (R), 1965 (5.12) (FAGH 35–B(1), 1939) (5.69) | (6.07) (FAP 35–C(1), 1939) (6.15) | (6.18) FAGH 35–B(1), 1939 | (6.72) WDRC 8(1), 1934 | NRH–7E, 1933 | (7.72) FAP 7–J(1), 1939 (7.87) | (DF–082–1(1), 1959) (FAP 21–8, 1937) | (F–7(22), 1951) (7.82) | (FAP 21–C, 1939) (7.92)

SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

| Date Released |
|---|
| MAR. 05, D.B. |
| **Revised** | |
| 5/06 | G.N. |

# ROAD INVENTORY

# OAHU RTE 7012
# WHITMORE AVENUE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

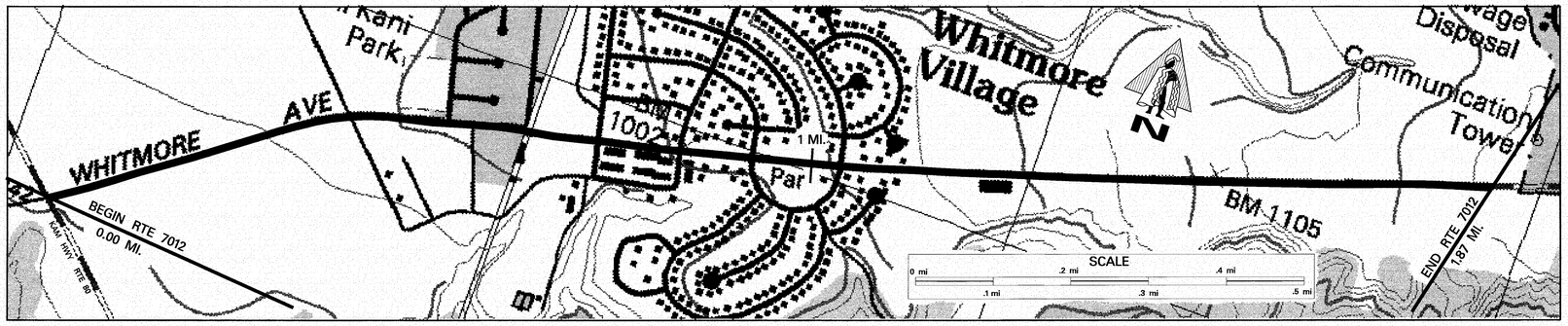
**Total Route Length:** 1.87 miles

**a. Survey Length:** 1.87 miles

**b. Proposed Length:** 0.00 miles

**c. Other Length: *** 0.00 miles

*




SCALE: (In Miles) 10" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00

**Maintenance Control Sections : Length and Description**

0.01 BEG. 7012–A 38' N.E. OF EDGE OF PAVEMENT — 7012–A (1.86 MI.) — END 7012–A SAME AS END ROUTE

**Structure Carrying Road**

- **Bridges (Over 20'): Length, Type, Capacity and Year Constructed** — NONE
- **Vertical Clearance**
- **Horizontal Clearance**

**Structure Over Road**

- **Vertical Clearance**
- **Horizontal Clearance**

**Right of Way Width (min.–max.) if varies** — 60'

**Available Right of Way Width (Needs Study)** — 1000' CLEAR PINEAPPLE FIELD 15' FROM EDGE OF PAVEMENT (0.03) | RESIDENTIAL / COMM. (1.29) | 1000' CLEAR PINEAPPLE FIELD 15' FROM EDGE OF PAVEMENT

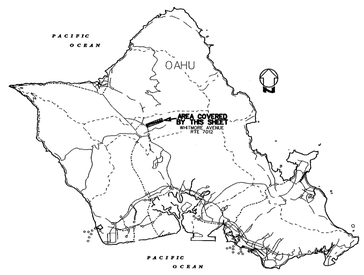
**Right of Way Fence: Type – Right and Left** — (CHAINLINK 15' FROM EDGE OF PAVEMENT) 0.07 | 0.83 | 0.92 | 1.03 (CHAINLINK 15' FROM EDGE OF PAVEMENT)

**Control of Access: 1–None, 2–Partial, 3–Full** — NONE

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)** — 0+30 STATE 101+09

**Project No., Type of Construction, and Year Constructed** — 0.00 HWY–O–05–07M, RESURF W/ SLURRY SEAL, 2007 1.87

**Project No., Type of Construction, and Year Constructed** — 7012A–01–98M RESURFACE, 1999




## Road Diagram

* MP = Milepost Signage

BEGIN RTE 7012 ON WHITMORE AVE. AT THE NORTHEAST EDGE OF PAVEMENT OF KAM HWY (RTE 80). 0.00 MI.

TRACTOR CROSSING 0.03 MI. | WHITMORE | TRACTOR CROSSING 0.39 MI. | UAKANIKOO ST. 0.52 MI. | KUIJA ST. 0.62 MI. | DRIVEWAY TO DOLE CORP. (L) IHIIHI AVE (R) 0.72 MI. | DRIVEWAY TO DOLE CORP. (L) LALAWAI ST. (R) 0.83 MI. | EHOEHO AVE. (L) NANI IHI AVE. (R) 0.92 MI. | IHIIHI AVE. (L) NANI IHI AVE. (R) 1.03 MI. | 55+00 | AVENUE | TRACTOR CROSSING 1.48 MI. | MILITARY COMPOUND 1.56 MI.

END RTE 7012 ON WHITMORE AVE. AT NEW WEST BOUNDARY OF THE NAVAL COMMUNICATION STATION 1.87 MI.

SCALE: (In Miles) 10" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00

**Divided Highway – Undivided**

- **Shoulder: Width and Type** — 4' AC (0.72) | 2' AC (1.13) | 4' AC
- **Pavement: Width and Type** — 22' AC
- **Shoulder: Width and Type** — 4' AC
- **Median: Width and Type**

**Divided Highway**

- **Median Barriers:**
- **Shoulder: Width and Type**
- **Pavement: Width and Type**
- **Shoulder: Width and Type**

**Number of Traffic Lanes** — 2–11'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)** — 0.05

**(Right Side)**

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)** — 0.72 4' B.P. SIDEWALK 1.13

**Curb and/or Gutter: Type (Right and Left)**

**Protective Devices: Type, Location and Number** — NONE

**Illumination: Type, Location and Number** — M.V. 1.08

**Curves: Degree of Curvature (Right and Left)**

**Grades: % Grade, Positive or Negative**

**HOV Lanes/Contra–Flow Lanes**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:** — LARGE URBANIZED (4) (HONOLULU – 52)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous** — (1) FLAT

**Speed: 1–Design, 2–Posted** — (NOT POSTED) 0.05 | 25 MPH (2) | 1.21 NOT POSTED

**Intersection Control Devices: Type, Location and Cycle Timing** — TRAFFIC LIGHT 0.00 | STOP SIGN 0.72 | STOP SIGN 1.03

**Traffic Stations (Current Year)** — 0.46 B72 7012 00000 | 1.16 B72 7012 00103

**HPMS Sections – AADT 2007** — 12,120 | 2,525

**HPMS Sections – AADT 2006** — 12,000 | 2,500

**HPMS Sections – AADT 2005** — 11,842 | 2,507 1.87

**DOD Sections** — DOD 100

**Census Tracts**

**Functional Classification** — COLLECTOR (17)

**National Highway System (NHS)** — NOT ON NHS (0)

**Previous Projects: Project No., Date and Limits**

0.01 804 A–01–87M RESURFACE, 1986 | 0.72 RS–0804(2), 1985 | 1.13
A–804–01–65 RESURFACE 1965
DANR 4(I) 1934

SCALE: (In Miles) 10" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00

| Date Released |
|---|
| APR. 2005, D.B. |

| Revised | |
|---|---|
| 5/06 | G.N. |
| 2/08 | D.B. |

# ROAD INVENTORY
# OAHU RTE 7101
# FARRINGTON HWY.

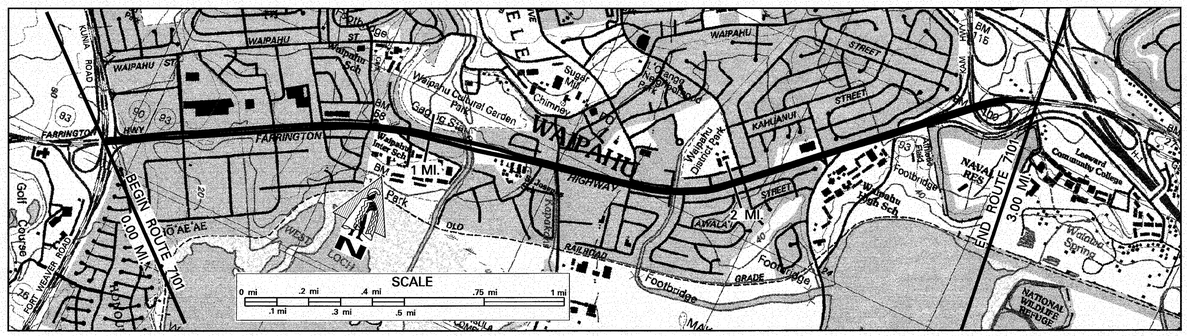
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**Total Route Length:** 3.00 miles
**a. Survey Length:** 3.00 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles

*




**SCALE: (In Miles) 4" = 1 mile**

0 | 1 | 2 | 3 | 4 | 5

**Maintenance Control Sections : Length and Description**

BEGIN 7101–A SAME AS BEGIN ROUTE | 7101 A (3.00 MI.) | END 7101–A SAME AS END ROUTE

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

CULVERT HS 20 1965 29′ | I.B. TBM H15 1939 49′ O.B. P/CB HS 20 1963 122′ I.B. : TBM HS 15 1939 130′ | SLAB HS 20 1964 23′ | SLAB HS 20 1964 55′ | SLAB HS 20 1952 24′ | P/CB HS 20 1969

**Vertical Clearance**

0.41 | 1.12 1.17 | 1.40 | 1.78 | 2.50 | 2.78

**Horizontal Clearance**

98′ | OUTBOUND : 36′ INBOUND : 24′ 24′ | 99′ | 94′ | 82′

**Structure Over Road**

**Vertical Clearance**

15′ 10″ | 16′ 03″

**Horizontal Clearance**

**Right of Way Width (min.–max.) if varies**

ESTIMATED 100′

**Available Right of Way Width (Needs Study)**

COMMERCIAL | RESIDENTIAL

**Right of Way Fence: Type – Right and Left**

TILE CL | SW

**Control of Access: 1–None, 2–Partial, 3–Full**

PARTIAL

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

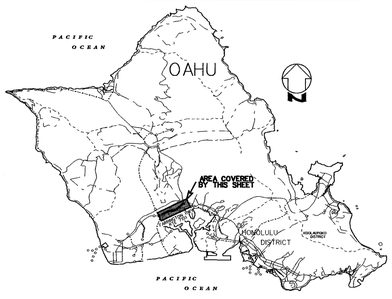
43 + 80.28 | STATE | 36 + 05

**Project No., Type of Construction, and Year Constructed**

0.00 | 7101A–01–04M, REHAB., 2006 | 3.00

**Project No., Type of Construction, and Year Constructed**

0.03 | 7101A–01–98, IMPRV., 2003 | 2.73




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

BEGIN RTE 7101 ON FARRINGTON HWY. AT THE CENTERLINE INTERSECTION WITH KUNIA RD (RTE 76). 0.00 mi.

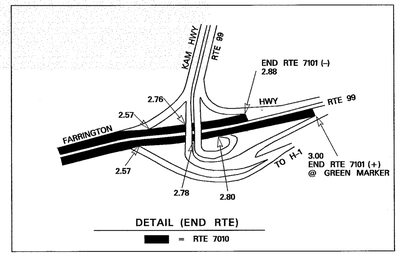
ON RAMP A (R) SPUR (L) OFF RAMP E | LEOOLE ST. (R) LEOKU ST. (L) | CULVERT | LEOKANE ST. | PUPUKAHI ST. | PUPUPUHI ST. | WAIKELE RD. | ANIANI PL. | WAIKELE BR. #1 | WAIKELE BR. #2 | MAKAMAKA PL. | KAPAKAHI BR. | HANAWAI CIR. | WAIPAHU DEPOT ST. | WAIPAHU CANAL BR. | AWAMOKU ST. | WAIPAHU CANAL BR. | MOLOALO ST. | KAHUANUI PL. | AWALAU ST. (R) | MOKUOLA ST. (L) | PAIWA ST. (L) | APANUI ST. (R) | KAHUALII ST. (L) | WAIPIO ACC. RD. | WAIPIO PT. ACC. RD. (R) | KAHUALII ST. (L) | H-1 ON-RAMP (R) KAM. HWY OFF-RAMP (L) | OAHU SUGAR CO. RD. UNDERPASS | ON RAMP STRUCT #10A | STRUCT #10B | OFF RAMP

1 MP | 2 MP | 1.40 MI. | 163 + 25 | 17.73 MP

FARRINGTON HIGHWAY

0.09 Mi. | 0.24 Mi. | 0.41 Mi. 0.40 Mi. | 0.53 Mi. | 0.68 Mi. | 0.82 Mi. | 0.89 Mi. | 0.94 Mi. | 1.12 mi. | 1.17 Mi. | 1.21 Mi. | 1.34 Mi. | 1.42 Mi. | 1.40 Mi. | 1.64 Mi. | 1.82 Mi. 1.79 Mi. 1.77 Mi. | 1.90 Mi. | 2.01 Mi. | 2.26 Mi. | 2.32 Mi. | 2.50 Mi. | 2.57 Mi. | 2.78 Mi. 2.76 Mi. | 2.88 Mi. | 2.97 Mi. 0.03 Mi.

END RTE 7101 ON FARRINGTON HWY AT THE KAMEHAMEHA HWY INBOUND OFF RAMP. 3.00 mi.




**SCALE: (In Miles) 4" = 1 mile**

0 | 1 | 2 | 3 | 4 | 5

**Divided Highway – Undivided**

**Shoulder: Width and Type**

0.07 | 10′ GRV | 0′ | (8′ DIRT) | 0′ | 10′ GRASS | 10′ AC | 10′ DIRT

**Pavement: Width and Type**

24′ AC | 27′ AC | 25′ AC | 36′ AC | 24′ AC | 33′ AC

**Shoulder: Width and Type**

(14′ RAISED GRASS) 0′

**Median: Width and Type**

36′ | 24′ | 36′ | 24′ | 4′–25′ | 10′ | 10′ RAISED GRASS

**Median Barriers:**

CHAIN LINK FENCE | TREES & SHRUBS ON RAISED GRASS

**Shoulder: Width and Type**

0.03 | 0′

**Pavement: Width and Type**

24′ AC | 26′ AC (12′ AC) | 24′ AC | 26′ AC | 24′ AC

**Shoulder: Width and Type**

8′ GRASS | 0′ | 8′–12′ GRASS | 8′–12′ GRASS | 0′ | 10′ AC | 3′ AC | 8′–10′ GRASS | 5′ AC | 10′ DIRT | 10′ AC

**Number of Traffic Lanes**

4–12′ | 1–13′, 1–14′ | 1–12′, 1–14′ | 1–11′, 1–14′ | 3–12′ | 1–12′, 1–14′ | 2–12′ | 3–11′

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

1–12′, 1–14′ | 2–12′ | 2–12′

**(Right Side)**

0.50 | 0.61 | 11′ TL | 14′ TL | 1–12′ DECEL

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**

6′ AC | 6′ AC | (BUS LANE) | (5′ CONC.) | 4′ CONC. | 6′ AC | 4′ CONC. | 6′ AC | 6′ CONC. S.W.

**Curb and/or Gutter: Type (Right and Left)**

(6′ AC) 4′ AC | CONC. CURB | C/C | C/C | C/C | CONC. GUTTER

**Protective Devices: Type, Location and Number**

METAL ON METAL GUARDRAILS | BARREL IMPACT ATTENUATORS

**Illumination: Type, Location and Number**

MERCURY VAPOR

**Curves: Degree of Curvature (Right and Left)**

**Grades: % Grade, Positive or Negative**

**HOV Lanes/Contra–Flow Lanes**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

LARGE URBANIZED (4) (HONOLULU – 52)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**

ROLLING

**Speed: 1–Design, 2–Posted**

(NOT POSTED) | 35 MPH (2) | 30 MPH (2) | 30 MPH (2) | 30 MPH (2) | SCHOOL ZONE 7:00 – 2:15 | 35 MPH (2) | 30 MPH (2)

**Intersection Control Devices: Type, Location and Cycle Timing**

4 PHASE | 3 PHASE

**Traffic Stations (Current Year)**

B72 7101 00000 | B72 7101 00010 | B72 7101 00024 | B72 7101 00053 | B72 7101 00082 | B72 7101 00112 | B72 7101 00126 | B72 7101 00142 | B72 7101 00226 | B72 7101 00263

**HPMS Sections – AADT 2007**

40,505 | 30,300 | 27,575 | 30,805 | 33,130 | 35,250 | 27,170

**HPMS Sections – AADT 2006**

40,100 | 30,000 | 27,300 | 30,500 | 32,800 | 34,900 | 26,900

**HPMS Sections – AADT 2005**

39,734 | 29,708 | 27,056 | 30,203 | 32,492 | 34,599 | 26,651

**DOD Sections**

DOD 185

**Census Tracts**

**Functional Classification**

PRINCIPAL ARTERIAL – (14)

**National Highway System (NHS)**

NOT ON NHS (0)

**Previous Projects: Project No., Date and Limits**

OUTBOUND PROJECTS:
0.09 | 0.26 – (7101A–02–99, IMPRV., 2001) | 0.87 | 1.01 – (7101A–01–00, IMPRV., 2002)
0.22 | 7101A–02–97, SIDEWALK, PAV'T WIDENING, 1999 | 2.00
(7101A–03–99, (R) 1991) – 1.40 | 1.48
HWY–O–01–90M, 1991, R | 0.50 | 7101A–01–89M (R), 1990
0.23 | DE–0200(801), IMPR., 1998 | 2.27
9000A–01–80M, (R) 1981 | 0.69 | 1.30 | 90A–01–77M (R) 1978

INBOUND PROJECTS:
F–090–1(8), 1963 | F–090–1(7), 1962 | F–4(7), 1952
0.05 | FAP 4C 1938 | F–4(7) 1952

**SCALE: (In Miles) 4" = 1 mile**

0 | 1 | 2 | 3 | 4 | 5

| Date Released |
|---|
| APR. 2005, D.B. |
| **Revised** |
| 6/06 D.B. |
| 3/07 D.B. |

# ROAD INVENTORY
# OAHU RTE 7110
# FARRINGTON HIGHWAY

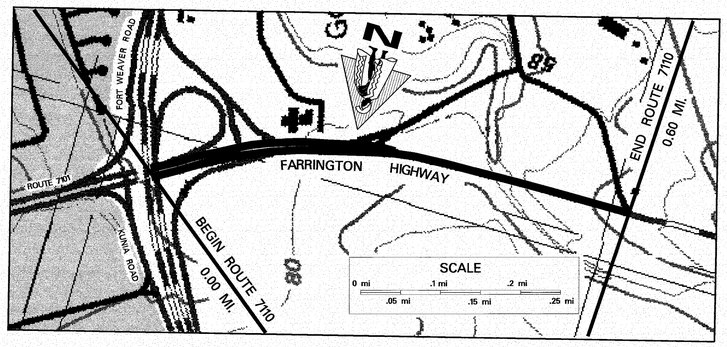
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

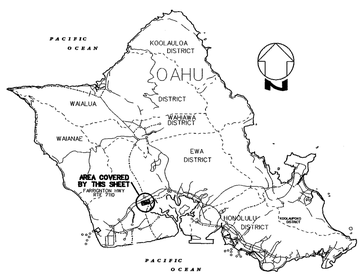
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**Total Route Length:** 0.60 miles
**a. Survey Length:** 0.60 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles

*




**Road Diagram**

* MP = Milepost Signage

SCALE: (In Miles) 20" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

**Maintenance Control Sections : Length and Description**

BEGIN 7110A SAME AS BEGIN ROUTE | 7110 A (0.60 MI.) | END 7110A SAME AS END RTE

**Structure Carrying Road**
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Vertical Clearance
- Horizontal Clearance

**Structure Over Road**
- Vertical Clearance
- Horizontal Clearance

- Right of Way Width (min.–max.) if varies
- Available Right of Way Width (Needs Study)
- Right of Way Fence: Type – Right and Left
- Control of Access: 1–None, 2–Partial, 3–Full: NONE
- Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE (43+80.28 / 24+20.55)
- Project No., Type of Construction, and Year Constructed: 7101A–01–04M, REHAB., 2006 (0.00 / 0.37)
- Project No., Type of Construction, and Year Constructed: HWY–0–01–90M, (R), 1991 (0.38)

BEGIN ROUTE 7110 ON FARRINGTON HWY AT THE CENTERLINE OF FORT WEAVER ROAD O.P. (SAME AS BEGIN ROUTE 7101). 0.00 MI.

FORT WEAVER RD. O.P. (EWA BOUND) | OFF-RAMP TO FORT WEAVER ROAD | ON-RAMP FROM KUNIA ROAD | ACCESS OFF-RAMP TO FORT WEAVER RD. | DIRT ROAD | OLD FORT WEAVER RD (SPUR) | OLD FORT WEAVER RD. | BEGIN PAINTED MEDIAN | END DIVIDED HWY | BRIDGE | WEST ACCESS TO OLD FORT WEAVER RD. (L)

FARRINGTON HIGHWAY

57+80

Indicates Grass & / or Physical Barrier on Median.

0.01 MI. | 0.11 MI. | 0.14 MI. | 0.15 MI. | 0.22 MI. | 0.24 MI. | 0.28 MI. | 0.32 MI. | 0.37 MI. | 0.47 MI. | 0.60 MI.

END ROUTE 7110 ON FARRINGTON HWY AT THE W. E.P. OF ACCESS RD. TO OLD FORT WEAVER RD. 0.60 MI.

SCALE: (In Miles) 20" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

**Divided Highway – Undivided**
- Shoulder: Width and Type: 10' AC | 8'–10' DIRT (0.43) | 6'–10' GRASS
- Pavement: Width and Type: 24' AC | 12' AC (0.23) | 24' AC
- Shoulder: Width and Type: 4'–6' AC | 0 (0.21) | 8'–10' DIRT (0.45) | 4'–6' DIRT

**Divided Highway**
- Median: Width and Type: 2'–8' FLUSH AC MEDIAN W/ CONC. CURB | 10'–12' RAISED GRASS MEDIAN W/ CONC. CURB (0.11 / 0.22) | 10'–12' FLUSH GRASS MEDIAN | 10'–12' RAISED GRS MED. W/ CONC. CURB (0.26 / 0.32) | 0'–12' PAINTED AC MEDIAN (0.37)
- Median Barriers:
- Shoulder: Width and Type: 4'–6' AC | 0 (0.23)
- Pavement: Width and Type: 24' AC | 12' AC (0.20)
- Shoulder: Width and Type: 10' AC

- Number of Traffic Lanes: 4–12' | 2–12' L / 1–12' R (0.23) | 2–12'
- Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 12' T.L. (0.00 / 0.09) | DECEL (0.11 / 0.15 / 0.19) | ACCEL (0.14 / 0.18 / 0.20) | 12' T.L. (0.28)
- (Right Side): 12' T.L. (0.00 / 0.11)
- Frontage Road: No. of Lanes, and Width (Right and Left)
- Sidewalk: Width and Type (Right and Left)
- Curb and/or Gutter: Type (Right and Left): C. CURB (0.24 / 0.27)
- Protective Devices: Type, Location and Number: WOOD ON CONCRETE (0.43 / 0.55)
- Illumination: Type, Location and Number: 18 MV (0.03 / 0.35)
- Curves: Degree of Curvature (Right and Left)
- Grades: % Grade, Positive or Negative
- HOV Lanes/Contra–Flow Lanes
- Vertical Curve: Crest or Sag, Curve Limits
- Area and Development: LARGE URBANIZED (4) (HONOLULU – 52)
- Terrain: 1–Flat, 2–Rolling, 3–Mountainous: FLAT (0.37) | ROLLING
- Speed: 1–Design, 2–Posted: 35 MPH (2) (0.20) | 45 MPH (2) / 35 MPH (2)
- Intersection Control Devices: Type, Location and Cycle Timing: TRAFFIC LIGHT (L) TURN ONLY (0.11)
- Traffic Stations (Current Year): (0.03) B72 7110 00000 | B72 7110 00011 (0.20) | B72 7110 00020 | B72 7110 00024 | B72 7110 00032 | B72 7110 00037 (0.47) | B72 7110 00045
- HPMS Sections AADT 2007: 16,770 | 14,950 | 8,790
- HPMS Sections AADT 2006: 16,600 | 14,800 | 8,700
- HPMS Sections AADT 2005: 16,427 (0.11) | 14,622 (0.24) | 8,616 (0.60)
- DOD Sections (0.32 / 0.37 / 0.45)
- Census Tracts
- Functional Classification: MINOR ARTERIAL (16)
- National Highway System (NHS): NOT ON NHS (0)
- Previous Projects: Project No., Date and Limits

| Date Released |
|---|
| MAY 05 D.B. |
| **Revised** |
| 6/06 D.B. |
| 3/07 D.B. |

# ROAD INVENTORY

# OAHU RTE 7141
# IROQUOIS ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

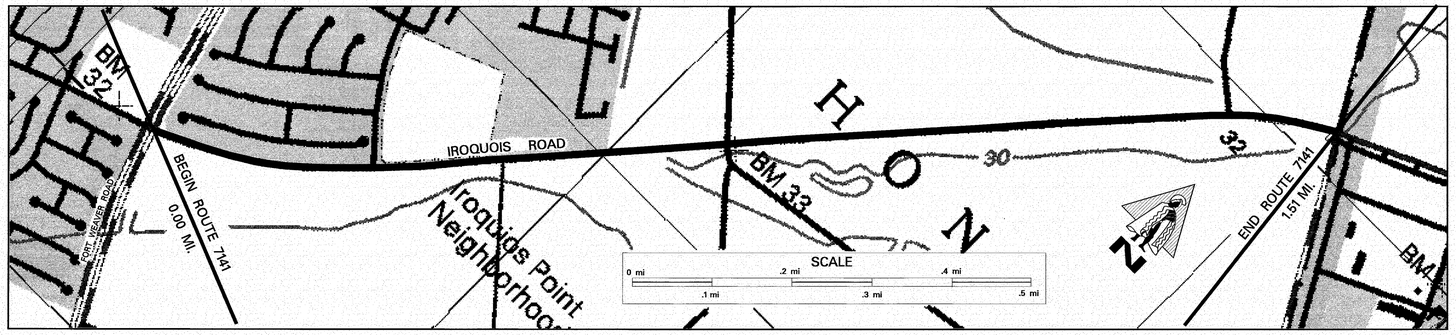
**Total Route Length:** 1.51 miles

**a. Survey Length:** 1.51 miles

**b. Proposed Length:** 0.00 miles

**c. Other Length: *** 0.00 miles

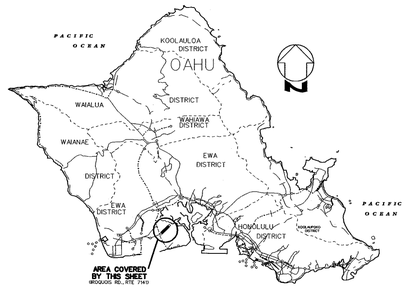
*




SCALE: (In Miles) 10" = 1 mile

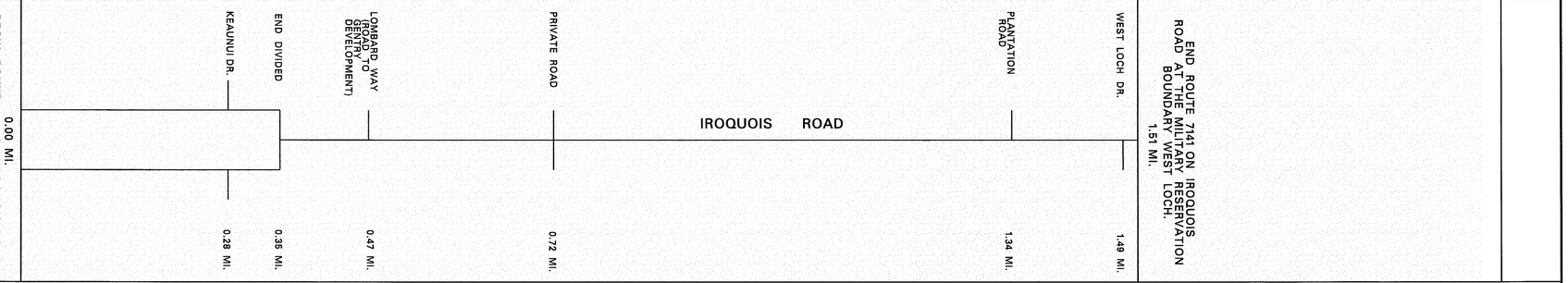
0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00

| | |
|---|---|
| Maintenance Control Sections : Length and Description | BEGIN 7141 A 20' E. OF EAST E.P. OF FORT WEAVER ROAD — 7141 A (1.51 MI.) — END 7141 A ON IROQUOIS RD. AT MILITARY RES. BDRY. W. LOCH. |
| Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed | |
| Structure Carrying Road — Vertical Clearance | |
| Structure Carrying Road — Horizontal Clearance | |
| Structure Over Road — Vertical Clearance | |
| Structure Over Road — Horizontal Clearance | |
| Right of Way Width (min.–max.) if varies | 80' |
| Available Right of Way Width (Needs Study) | CLR. 1000' SUGAR CANE 20'–30' FROM PAVEMENT |
| Right of Way Fence: Type – Right and Left | NONE |
| Control of Access: 1–None, 2–Partial, 3–Full | NONE |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | STATE |
| Project No., Type of Construction, and Year Constructed | |
| Project No., Type of Construction, and Year Constructed | (DANR 3(1), 1943) — 0.04 — 7141 A–01–88M (R) 1988 — 1.49 — (DANR 3(1), 1943) |




## Road Diagram

* MP = Milepost Signage




SCALE: (In Miles) 10" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00

| | |
|---|---|
| Divided Highway Undivided — Shoulder: Width and Type | 0' — 4' AC |
| Divided Highway Undivided — Pavement: Width and Type | 26' AC — 22' AC |
| Divided Highway Undivided — Shoulder: Width and Type | 0' — 4' AC |
| Divided Highway Undivided — Median: Width and Type | 10' PAINTED AC — 0.35 |
| Divided Highway — Median Barriers: | |
| Divided Highway — Shoulder: Width and Type | 0' |
| Divided Highway — Pavement: Width and Type | 26' AC |
| Divided Highway — Shoulder: Width and Type | 0' |
| Number of Traffic Lanes | 4–13' — 2–11' |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | 0.05 — 12' T.Ls. |
| (Right Side) | 0.18 — 0.28 |
| Frontage Road: No. of Lanes, and Width (Right and Left) | |
| Sidewalk: Width and Type (Right and Left) | |
| Curb and/or Gutter: Type (Right and Left) | |
| Protective Devices: Type, Location and Number | |
| Illumination: Type, Location and Number | |
| Curves: Degree of Curvature (Right and Left) | |
| Grades: % Grade, Positive or Negative | |
| HOV Lanes/Contra–Flow Lanes | |
| Vertical Curve: Crest or Sag, Curve Limits | |
| Area and Development: | LARGE URBANIZED (4) (HONOLULU – 52) |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | FLAT |
| Speed: 1–Design, 2–Posted | 0.11: 25 MPH (2) — 35 MPH (2) — 0.28; NOT POSTED — 45 MPH (2); 45 MPH (2); 1.34: NOT POSTED — 35 MPH (2) — 25 MPH (2) — 1.40; 1.24 |
| Intersection Control Devices: Type, Location and Cycle Timing | 0.00: TRAFFIC LIGHT — 0.07 |
| Traffic Stations (Current Year) | B72 7141 00000 — 0.18 — B72 7141 00035 — 0.44 — B72 7141 00074 — 0.76 — B72 7141 00118 — B72 7141 00133 |
| HPMS Sections – AADT 2007 | 12,525 — 4,040 — 4,145 |
| HPMS Sections – AADT 2006 | 12,400 — 4,000 — 4,100 |
| HPMS Sections – AADT 2005 | 12,263 — 0.35 — 3,974 — 0.74 — 4,102 — 1.51 |
| DOD Sections | DOD 405 — 1.18 — 1.23 |
| Census Tracts | CT 84 |
| Functional Classification | COLLECTOR (17) |
| National Highway System (NHS) | NOT ON NHS (0) |
| Previous Projects: Project No., Date and Limits | |

SCALE: (In Miles) 10" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00

| Date Released | |
|---|---|
| MAY 05, D.B. | |
| **Revised** | |
| 6/06 | D.B. |

# ROAD INVENTORY

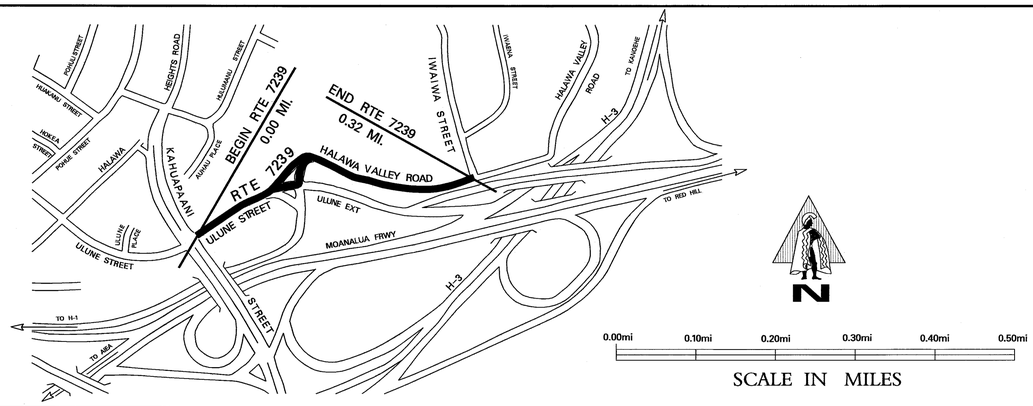
# OAHU RTE 7239
# ULUNE STREET, HALAWA VALLEY ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| Total Designated Route Length: | 0.32 | MILES (a+b) |
| a. Existing Length: | 0.32 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 0.32 | MILES (a+b, less c) |
| a. Existing Length: | 0.32 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 20" = 1 mile

0.00 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

**Maintenance Control Sections : Length and Description**

**Structure Carrying Road**

- Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Vertical Clearance
- Horizontal Clearance

**Structure Over Road**

- Vertical Clearance
- Horizontal Clearance

**Right of Way Width (min.–max.) if varies**

**Available Right of Way Width (Needs Study)**

**Right of Way Fence: Type – Right and Left**
Chain Link Fence (L) 0.23

**Control of Access: 1–None, 2–Partial, 3–Full**
Full

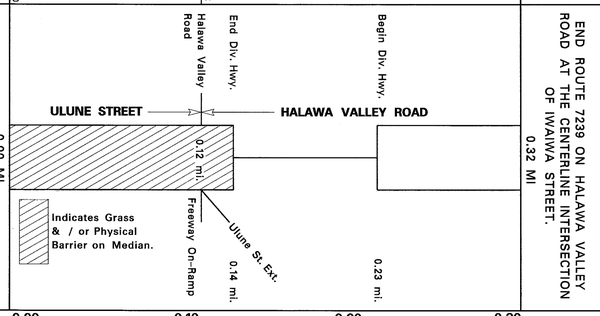
**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**
County

**Project No., Type of Construction, and Year Constructed**
35+65 41+80

**Project No., Type of Construction, and Year Constructed**
0.00 HWY–O–06–03M, REHAB., 2006 0.12

## Road Diagram

* MP=Milepost Signage




SCALE: (In Miles) 20" = 1 mile

0.00 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

**Divided Highway – Undivided**

- Shoulder: Width and Type: 2' AC (0.18) 0
- Pavement: Width and Type (*Includes Turning Lanes): 38' AC * (0.07) 26' AC | 38' AC * | 28' AC *
- Shoulder: Width and Type: 2' AC (2' Conc. Gutter) | 0 | 0
- Median: Width and Type: 4' Raised AC w/ Conc. Curb (0.12) (0.14) (13' Raised Conc.) (0.23) 8' Painted AC
- Shoulder: Width and Type: 2' AC | 0
- Pavement: Width and Type (*Includes Turning Lanes): 24' AC * (0.07) 16' AC | 12' AC | 14' AC (0.28) 26' AC *
- Shoulder: Width and Type: 2' AC | 0 | 0

**Number of Traffic Lanes**
2–13' | 1–13.5' | 2–14'
1–13' 0.07 1–16' | 1–12'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**
12' (L) TL | 12.5' (L) TL (0.12) (0.23) 14' (L) TL (0.26) 12' (L) TL

**(Right Side)**
11' (R) TL (0.07)

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**
6' Conc. S.W. (0.18)

**Curb and/or Gutter: Type (Right and Left)**
None | 6' Conc. S.W. 1' Conc. Gutter
(0.04) (0.05) (0.4) 1' Conc. Gutter

**Protective Devices: Type, Location and Number**
M/M Conc. Retaining Wall (0.24)
M/M

**Illumination: Type, Location and Number**
HPS

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**
Large Urbanized (4) (Honolulu – 52) (Commercial (L), Freeway (R))

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**
Rolling (0.25)

**Speed: 1–Design, 2–Posted**
25 MPH (2) | Not Posted
Not Posted

**Intersection Control Devices: Type, Location and Cycle Timing**
0.00 3 Phase (0.12) 3 Phase

**Traffic Stations (Current Year)**
B72 7239 00000 (0.06) B72 7239 00012 (0.25) B72 7239 00023

**HPMS Sections – AADT 2007**
35,655 | 16,365

**HPMS Sections – AADT 2006**
35,300 | 16,200

**HPMS Sections – AADT 2005**
34,919 (0.12) | 16,043 (0.23) (0.32)

**DOD Sections**

**Census Tracts**

**Functional Classification**
Collector (17)

**National Highway System (NHS)**
Not On NHS (0)

**Previous Projects: Project No., Date and Limits**

**HPMS**

SCALE: (In Miles) 20" = 1 mile

0.00 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

| Date Released |
|---|
| *Aug 2002, DB* |
| **Revised** |
| *Apr. 04* *D.B.* |
| *6/06* *D.B.* |
| *3/07* *D.B.* |

# ROAD INVENTORY

# OAHU RTE 7241

# KAHUAPAANI ST., HALAWA HEIGHTS RD.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

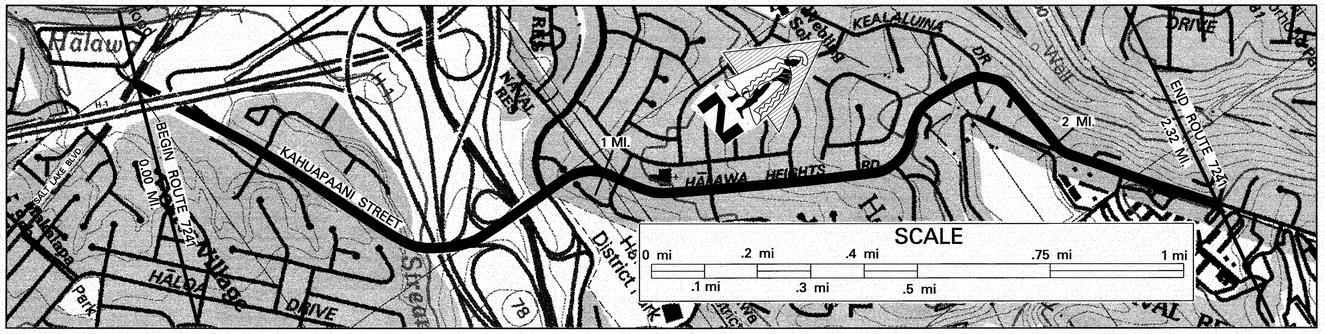
**Total Route Length:** 2.32 miles

a. **Survey Length:** 2.32 miles

b. **Proposed Length:** 0.00 miles

c. **Other Length:** * 0.00 miles

*




SCALE: (In Miles) 4" = 1 mile

**Maintenance Control Sections : Length and Description**

BEGIN 7241-A ON HALAWA HTS. RD. @ THE S.E.EDGE OF PAVEMENT OF SALT LAKE BLVD. | 7241-A (2.31 MI.) | END 7241-A ON HALAWA HTS. RD. AT THE MAINT. CONTROL MARKER APPROX. 0.01 MI. PAST #3 GATE TO CAMP SMITH

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

PRESTRESSED 1849', 1975, HS-20 | CONC. GIRDER, 430', 1975, HS-20 | CONC. GIRDER, 244', 1971, HS 20-44 | RC DECK GIRDER 38' 1952, HS 20-S16

**Vertical Clearance**

0.98 | 0.99 | 0.79 | 1.71

**Horizontal Clearance**

116' | 100' | 26'

**Structure Over Road**

**Vertical Clearance**

18' 4"

**Horizontal Clearance**

**Right of Way Width (min.-max.) if varies**

ESTIMATED 150'+ | 60'-100'

**Available Right of Way (Needs Study)**

CLEAR 1000', GRASS & BUSH 20' FROM PAVEMENT | RESIDENTIAL AREA

**Right of Way Fence: Type - Right and Left**

(CHAINLINK 20' FROM E.P.) (STONEWALL 20' F.P.) | CHAINLINK 20' FROM E.P.

**Control of Access: 1-None, 2-Partial, 3-Full**

NONE

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

22+31 | STATE | 192+88

**Project No., Type of Construction, and Year Constructed**

HWY-0-06M, REHAB., 2006

**Project No., Type of Construction, and Year Constructed**

STP-7241(1), RESURFACE, 1995 | (I-HI-1(87):13, 1972) | 7241A-01-88M, (R), 1988

Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

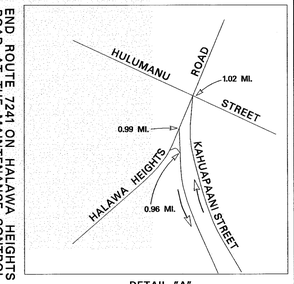
BEGIN ROUTE 7241 ON KAHUAPAANI ST. AT THE NORTHEAST EDGE OF PAVEMENT OF SALT LAKE BLVD.

0.00 MI. | 0.06 MI. | 0.19 MI. | 0.27 MI. | 0.59 MI. | 0.69 MI. | 0.74 MI. | 0.76 MI. | 0.79 MI. | 0.86 MI. | 0.88 MI. | 0.98 MI. | 1.02 MI. | 1.07 MI. | 1.20 MI. | 1.36 MI. | 1.43 MI. | 1.48 MI. | 1.55 MI. | 1.67 MI. | 1.71 MI. | 1.78 MI. | 1.79 MI. | 1.96 MI. | 2.00 MI. | 2.12 MI. | 2.24 MI. | 2.31 MI.

H1 OVERPASS | RAMP TO STADIUM | MANANAI PL. | ALA ALII ST. | STRUCTURE #11 | RAMP TO H-201 | RAMPS FROM RTE H-201 | STRUCTURE #10 | ULUNE ST. (L) ULUNE EXT. (R) | HULUMANU ST. END DIVIDED HWY. HALAWA HTS. ROAD | SEE DETAIL "A" | IWAIWA ST. | ALIIPOE DR. | KAHOLI PL. | HALAWA DR. | KA'AKAU PL. | HALAWA O.P. | KEALALUINA DR. MIKIOI PL. | PU'UMAKANI ST. BEGIN DIVIDED HWY | CAMP SMITH END DIVIDED HWY | CAMP SMITH GATE (CLOSED) | FERNRIDGE PL. | LUKE ST. (GATE #3)

KAHUAPAANI ST. | HALAWA HEIGHTS ROAD

END ROUTE 7241 ON HALAWA HEIGHTS ROAD AT THE MAINTENANCE CONTROL MARKER APPROX. 0.01 MI. PAST CAMP SMITH GATE #3. 2.32 MI.




DETAIL "A"

SCALE: (In Miles) 4" = 1 mile

**Divided Highway**

**Undivided**

**Shoulder: Width and Type**

10' AC | 6' AC | 8' AC | NONE | 2'-6' AC | 4' AC | 0' | 8" AC | 3' AC | (0')

**Pavement: Width and Type**

24' AC | 36' AC | 48' AC | 36' AC | 36' CONC. | 36' AC | 24' AC | 12" AC | 36' AC | 24' AC | 12' GRASS | 22' AC | 24' AC

**Shoulder: Width and Type**

NONE | NONE | 2'-6' AC | 12' GRASS | NONE | 3' AC

**Median: Width and Type**

23' CONC. RAISED | 23' RAISED DIRT | 5' RAISED CONC. | 14' RAISED DIRT | 0'-20' RAISED CONCRETE | 4' RAISED GRASS

**Median Barriers:**

NONE | NONE

**Shoulder: Width and Type**

**Pavement: Width and Type**

24' AC | 36' CONC. | 24' AC | (12 AC) | 22' AC

**Shoulder: Width and Type**

10' AC | 6' CONC. | 10' AC | NONE | 2'-6' GRS. | 0'

**Number of Traffic Lanes**

2-12' | 3-12' | 4-12' | 3-12' | 2-12' | 1-12' | (1-12') | 2-18' | 2-12' | 1-11' | 2-11' | 2-12' | (1-11')

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

ALL TURN LANES ARE 12'

**(Right Side)**

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**

6' SIDEWALK | 4' CONC. SIDEWALK | 2'-4' A.C. S.W. | CONC. CURB

**Curb and/or Gutter: Type (Right and Left)**

CONCRETE CURB & 2' CONCRETE GUTTER | (4' CONC. GUTTER) | CONC. CURB

**Protective Devices: Type, Location and Number**

A = METAL ON METAL
B = WOOD ON CONC.

**Illumination: Type, Location and Number**

HPS | MV

**Curves: Degree of Curvature (Right and Left)**

**Grades: % Grade, Positive or Negative**

**HOV Lanes/Contra-Flow Lanes**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

LARGE URBANIZED (14) (HONOLULU - 52)

**Terrain: 1-Flat, 2-Rolling, 3-Mountainous**

FLAT | MOUNTAINOUS

**Speed: 1-Design, 2-Posted**

35 MPH (2) | (35 MPH (2)) | 25 MPH (2) | 30 MPH (2) | 25 MPH (2) | 30 MPH (2) | 25 MPH (2) | NOT POSTED

**Intersection Control Devices: Type, Location and Cycle Timing**

3 PHASE TRAFFIC SIGNALS | T.L. | T.L.

**Traffic Stations (Current Year)**

B72 7241 00000 | B72 7241 00027 | B72 7241 00046 | B72 7241 00059 | B72 7241 00068 | B72 7241 00077 | B72 7241 00088 | B72 7241 00102 | B72 7241 00150 | B72 7241 00179 | B72 7241 00197 | B72 7241 00212

**HPMS Sections - AADT 2007**

22,930 | 26,160 | 18,790 | 30,000 | 11,720 | 10,100 | 7,375 | 6,060 | 2,05 | 2,19 | 1,315

**HPMS Sections - AADT 2006**

22,700 | 25,900 | 18,600 | 29,700 | 11,600 | 10,000 | 7,300 | 6,000 | 1,300

**HPMS Sections - AADT 2005**

22,495 | 25,689 | 18,409 | 29,422 | 11,473 | 9,883 | 7,197 | 5,983 | 1,316

**DOD Sections**

DOD 455 | DOD 460

**Census Tracts**

**Functional Classification**

MINOR ARTERIAL (16) | COLLECTOR (17)

**National Highway System (NHS)**

NOT ON NHS (0)

**Previous Projects: Project No., Date and Limits**

I-HI-1(96):13, (CONST.), 1982
I-HI-1(115):13, 1975
I-HI-1(115):13, 1974
(I-HI-1(90):13, 1972)
I-HI-1(87):13, 1972
7108-01-75M, (R), 1975
DANR(1), 1942

| Date Released | |
|---|---|
| *MAY 05, D.B.* | |
| **Revised** | |
| 5/06 | G.N. |
| 3/07 | D.B. |

# ROAD INVENTORY

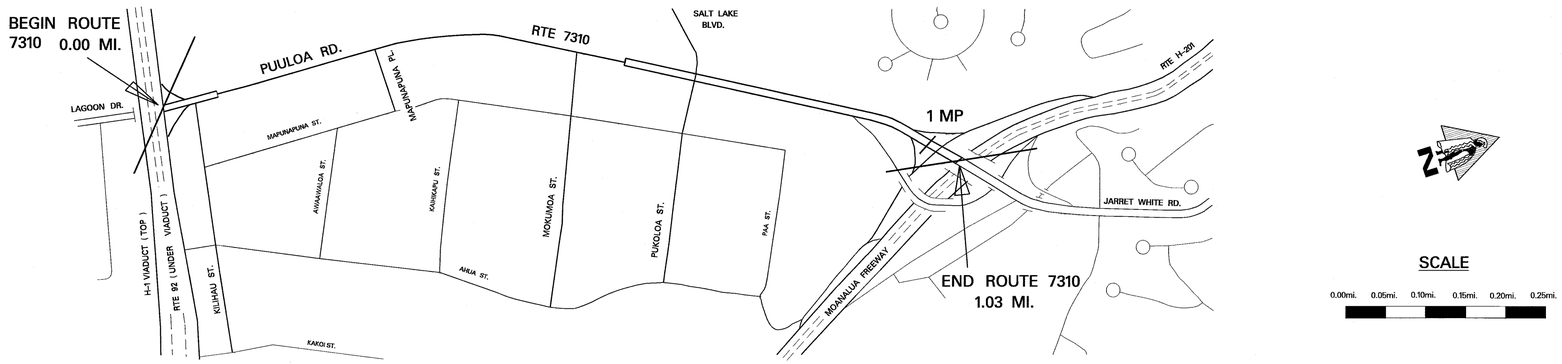
# OAHU RTE 7310
# PUULOA

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Designated Route Length: 1.03 MILES (a+b)
a. Existing Length: 1.03 MILES
b. Proposed Length: NONE MILES
Total Travel Way Length: 1.03 MILES (a+b, less c)
a. Existing Length: 1.03 MILES
b. Temporary Length: NONE MILES
c. Length used as T.W. for another Route: NONE MILES (-)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 1" = 0.1 mile

Maintenance Control Sections : Length and Description

BEG. 7310A SAME AS BEG. ROUTE 7310A | 7301A (1.37 MI.) | END 7310A ON JARRETT WHITE RD. 585' NORTH OF ℄ WITH MAHIOLE ST.

Structure Carrying Road
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Vertical Clearance
- Horizontal Clearance

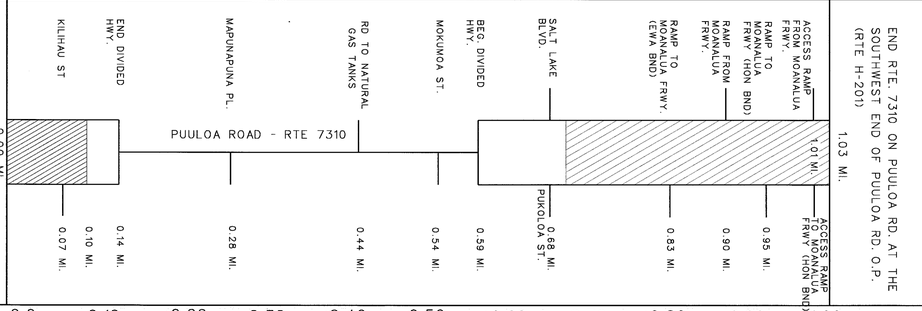
Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.-max.) if varies: 100' (0.17) 120'
Available Right of Way Width (Needs Study): INDUSTRIAL AREA (0.88) RESIDENTIAL AREA (0.96 1.01)
Right of Way Fence: Type - Right and Left (CL-CHAIN LINK FP-FROM PAV'T): CL 15'-20' FP (0.07 0.10) CL (0.21 0.23) CL 15'-20' FP (0.28 0.38) CL 15'-20' FP
Control of Access: 1-None, 2-Partial, 3-Full: NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE
Project No. and Type of Construction: DANR 10-A(1) | SN FAP 9 D(4) | 6600A-01-84M Resurface | 7310A-01-88M
Year Project Constructed: 1944 | 1945 (0.02) | 1984 (0.11) | 1988 (R) (0.89)

Indicates Grass & / or Physical Barrier on Median.

## Road Diagram

• MP-Milepost Signage




SCALE: (In Miles) 1" = 0.1 mile

Divided Highway

Undivided
- Shoulder: Width and Type: 0' | 4'AC/6' GRV. | 0'-10' AC | 0' | 8' AC
- Pavement: Width and Type: 24'AC | 24'-12' AC | 24'AC | 12'AC → 12'-24' AC | 24' AC | 36' AC | 24' AC
- Shoulder: Width and Type: 0' | 4'AC /8' GRAVEL | 0' | (10' RSD AC) | 2' AC

Divided
- Median: Width and Type (RSD-RAISED): 10' RSD CONC | 10' RSD SHRUBS & GRASS | 12' PAINT | 6' PAINT | 3' RSD CONC | 3'-10' RSD AC | 10' RSD GRS | 10' RSD AC | 10' RSD GRS | 10' RSD AC | 3' RSD CONC
- Shoulder: Width and Type: 3'AC | 0' | 0' | 3' AC
- Pavement: Width and Type: 24'AC | 24'-12' AC | 12'AC → 24' AC | 48' AC | 24' AC
- Shoulder: Width and Type: 3' AC | 0' | 1-(24'-12') | 3' AC | 0' | 4' AC

Number of Traffic Lanes: 2-12' | 2-12' | 1-(24'-12') | 2-12' | 1-(12'-24') | 2-12' | 4-12' | 3-12' | 2-12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 2-12' | 1-(24'-12') | 1-12' | 12' | 12'
(Right Side): 14' | 12' | 12' | 10' | 12'
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left): 4' CONC SW | 4' CONC SW
Curb and/or Gutter: Type (Right and Left): CURB & 2' GUTTER | CURB & 2' GUTTER | CONC. CURB | CURB & 2' GUTTER
Protective Devices: Type, Location and Number: CURB | CONC. BARRIERS | CONC. BARRIERS | G.R. | CONC. CURB | GUARD RAILS | GUARD RAILS
Illumination: Type, Location and Number: MV
Curves: Degree of Curvature (Right and Left)
Superelevation (Range)
Grades: % Grade, Positive or Negative
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: LARGE URBANIZED (4) (HONOLULU - 52)
Terrain: 1-Flat, 2-Rolling, 3-Mountainous: ① FLAT | (3) MOUNTAINOUS | ① FLAT
Speed: 1-Design, 2-Posted: NOT POSTED | 35 MPH ② | NOT POSTED 35 MPH (2) 25 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing: TRAFFIC LIGHT | TRAFFIC LIGHT
Traffic Stations (Current Year): B72 7310 00000 | B72 7310 00027 | B72 7310 00010 | B72 7310 00014 | B72 7310 00061 | B72 7310 00068 | B72 7310 00083
HPMS Sections - AADT 2007: 27,980 | 19,395 | 23,735 | 38,380
HPMS Sections - AADT 2006: 27,700 | 19,200 | 23,500 | 38,000
HPMS Sections - AADT 2005: 27,423 | 19,023 | 23,245 | 37,645
DOD Sections: DOD 465 | DOD 470
Census Tracts
Functional Classification: PRINCIPAL ARTERIAL (14)
National Highway System (NHS): NOT ON NHS (0)
Previous Projects: Project No., Date and Limits:
66A-01-67 1967
S-219(1) 1948
DANR 10-A(1) 1944 | SN FAP 9-D(4) 1945 | STA 8+18 | S-19(1) 1947 | STA 8+18 | F-078-1(10) 1975

SCALE: (In Miles) 1" = 0.1 mile

| Date Released |
|---|
| August 1998 |
| **Revised** |
| JK 6/99 |
| DB 1/00 |
| JK 10/01 |
| DB 8/04 |
| G.N. 5/06 |
| DB 12/07 |

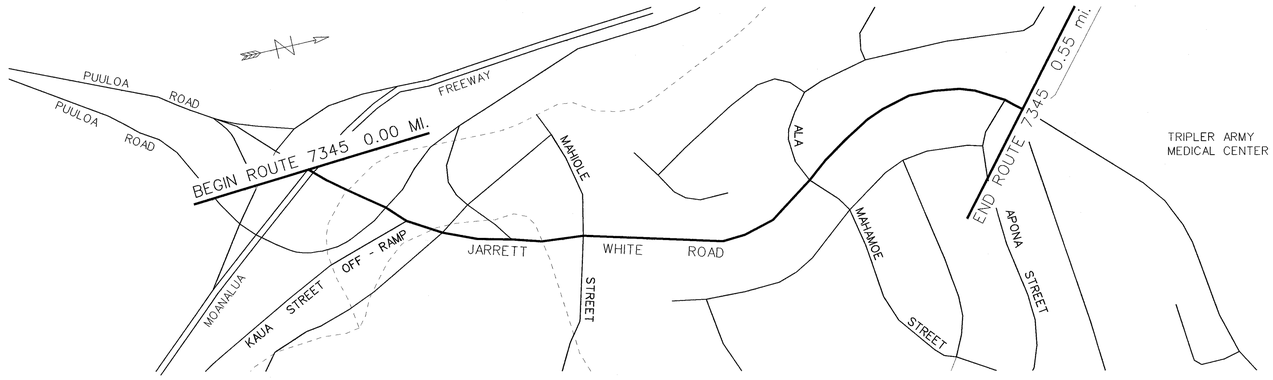
# ROAD INVENTORY
# OAHU ROUTE 7345
# JARRETT WHITE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Designated Route Length: 0.55 MILES (a+b)
a. Existing Length: 0.55 MILES
b. Proposed Length: NONE MILES
Total Travel Way Length: 0.55 MILES (a+b, less c)
a. Existing Length: 0.55 MILES
b. Temporary Length: NONE MILES
c. Length used as T.W. for another Route: NONE MILES (-)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 2" = 0.10 mile

0.00 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

Maintenance Control Sections : Length and Description

Structure Carrying Road
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Vertical Clearance
- Horizontal Clearance

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.-max.) if varies

Available Right of Way Width (Needs Study)

Right of Way Fence: Type - Right and Left

Control of Access: 1-None, 2-Partial, 3-Full

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE

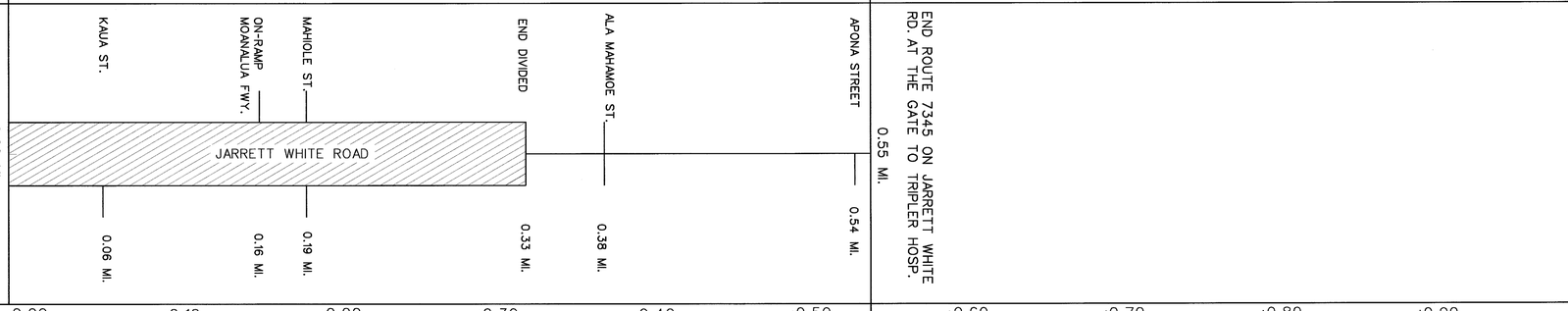
Project No. and Type of Construction

Year Project Constructed

Indicates Grass & / or Physical Barrier on Median.

## Road Diagram

• MP-Milepost Signage




SCALE: (In Miles) 2" = 0.10 mile

0.00 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

Divided Highway — Undivided
- Shoulder: Width and Type: 12' AC (0.18) 6' AC (0.38) 5' AC
- Pavement: Width and Type: 24' AC 48' AC (0.42) 36' AC
- Shoulder: Width and Type: 0 6' AC CURB
- Median: Width and Type: 14' (CONC.) RAISED 2' CONC. GUTTER (L) & (R) CONC. CURB (L) & (R) (0.18) 14' (CONC./AC) RAISED 2' CONC. GUTTER (L) & (R) CONC. CURB (L) & (R) (0.33)
- Shoulder: Width and Type: 0
- Pavement: Width and Type: 24' AC
- Shoulder: Width and Type: 10' AC (0.19) 6' AC

Number of Traffic Lanes: 4 LANES (0.42) 3 LANES

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)

(Right Side)

Frontage Road: No. of Lanes, and Width (Right and Left)

Sidewalk: Width and Type (Right and Left): 4' CONC. (L) ONLY (0.18) 4' CONC. (L) & (R) (0.38) 4' CONC. (R) ONLY

Curb and/or Gutter: Type (Right and Left): 2' CONC. GUTTER; 2' CONC. GUTTER (0.33)

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: LARGE URBANIZED (4) (HONOLULU - 52)

Terrain: 1-Flat, 2-Rolling, 3-Mountainous: MOUNTAINOUS (3)

Speed: 1-Design, 2-Posted

Intersection Control Devices: Type, Location and Cycle Timing: (0.36) 2 PHASE

Traffic Stations (Current Year): B72 7345 00000 (0.18) B72 7345 00019 (0.33) B72 7345 00033 B72 7345 00038 B72 7345 00042 (0.49)

HPMS Sections - AADT 2007: 25,555 | 19,295 (0.33) | 16,160

HPMS Sections - AADT 2006: 25,300 | 19,100 | 16,000

HPMS Sections - AADT 2005: 25,087 (0.19) | 18,879 (0.38) | 15,830 (0.55)

DOD Sections: (0.33) (0.42)

Census Tracts

Functional Classification: COLLECTOR (17)

National Highway System (NHS): ON NHS (1)

Previous Projects: Project No., Date and Limits

| Date Released | |
|---|---|
| Sept 1994 | |
| **Revised** | |
| Sept 94 | PJ |
| 5/06 | G.N. |

# ROAD INVENTORY

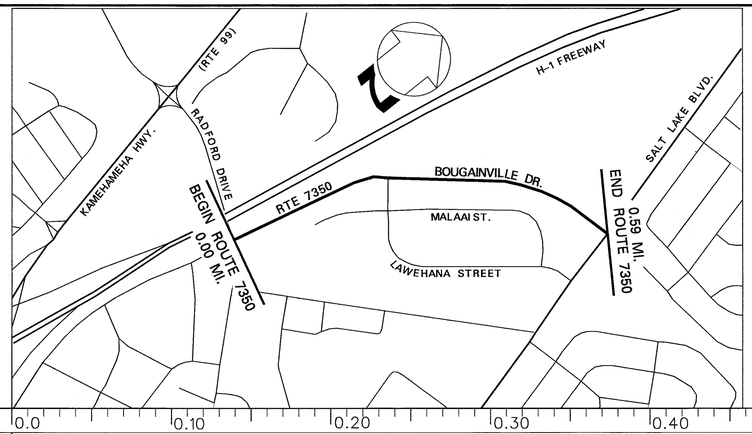
# OAHU RTE 7350
# BOUGAINVILLE DRIVE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Designated Route Length: 0.59 MILES (a+b)
a. Existing Length: 0.59 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 0.59 MILES (a+b, less c)
a. Existing Length: 0.59 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: 0.00 MILES (-)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 2" = 0.1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

Maintenance Control Sections : Length and Description

Structure Carrying Road
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Vertical Clearance
- Horizontal Clearance

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.-max.) if varies

Available Right of Way Width (Needs Study)

Right of Way Fence: Type - Right and Left

Control of Access: 1-None, 2-Partial, 3-Full

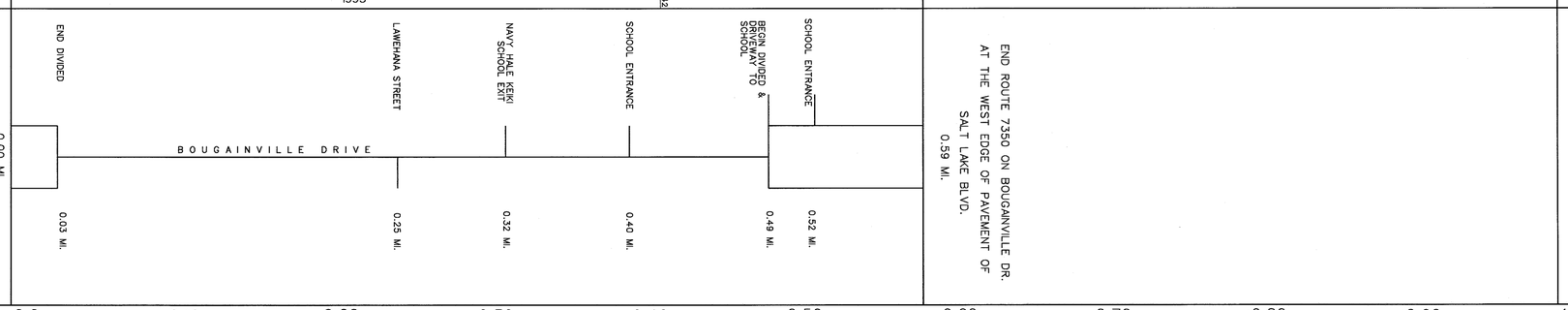
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE

Project No. and Type of Construction: STP-0300(32)

Year Project Constructed: 1995

## Road Diagram

• MP-Milepost Signage




SCALE: (In Miles) 2" = 0.1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

Divided Highway — Undivided

| | |
|---|---|
| Shoulder: Width and Type | 0' |
| Pavement: Width and Type | 20' / 40' / 20' |
| Shoulder: Width and Type | 0' / 0' / 0' |
| Median: Width and Type | 3' PAINTED AC (0.03) / (0.49) 10' PAINTED AC |
| Shoulder: Width and Type | 0' / 0' |
| Pavement: Width and Type | 20' / 20' |
| Shoulder: Width and Type | 0' / 0' |

Number of Traffic Lanes: 4-10'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)

(Right Side): (0.52) 10' AC T.L.

Frontage Road: No. of Lanes, and Width (Right and Left)

Sidewalk: Width and Type (Right and Left): 4' CONCRETE SIDEWALK / 4' CONCRETE SIDEWALK

Curb and/or Gutter: Type (Right and Left)

Protective Devices: Type, Location and Number: 2' CONCRETE GUTTER / 2' CONCRETE GUTTER

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: LARGE URBANIZED (4) (HONOLULU - 52)

Terrain: 1-Flat, 2-Rolling, 3-Mountainous

Speed: 1-Design, 2-Posted

Intersection Control Devices: Type, Location and Cycle Timing: (0.25) 2 PHASE

Traffic Stations (Current Year): (0.15) B72 7350 00000

HPMS Sections - AADT 2007: 14,850

HPMS Sections - AADT 2006: 14,700

HPMS Sections - AADT 2005: 14,552

DOD Sections

Census Tracts

Functional Classification: COLLECTOR (17)

National Highway System (NHS): NOT ON NHS (0)

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 0.1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

| Date Released | |
|---|---|
| Aug 95 | |
| Revised | |
| p.t. | aug 95 |
| G.N. | 5/06 |

ROAD INVENTORY

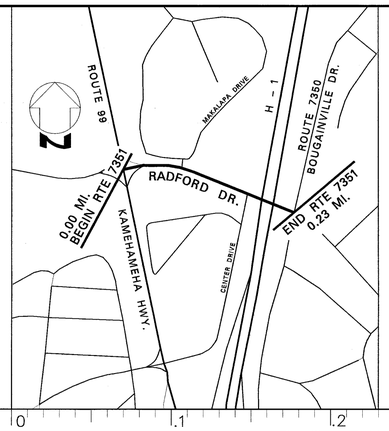
# OAHU RTE 7351
# RADFORD DRIVE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Designated Route Length: 0.23 MILES (a+b)
a. Existing Length: 0.23 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 0.23 MILES (a+b, less c)
a. Existing Length: 0.23 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: 0.00 MILES (-)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 2" = 0.1 mile

Maintenance Control Sections : Length and Description

Structure Carrying Road
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Vertical Clearance
- Horizontal Clearance

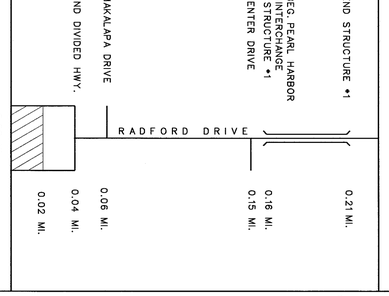
Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.-max.) if varies
Available Right of Way Width (Needs Study)
Right of Way Fence: Type - Right and Left
Control of Access: 1-None, 2-Partial, 3-Full
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE
Project No. and Type of Construction: STP-0300(32)
Year Project Constructed: 1995

Indicates Grass & / or Physical Barrier on Median.

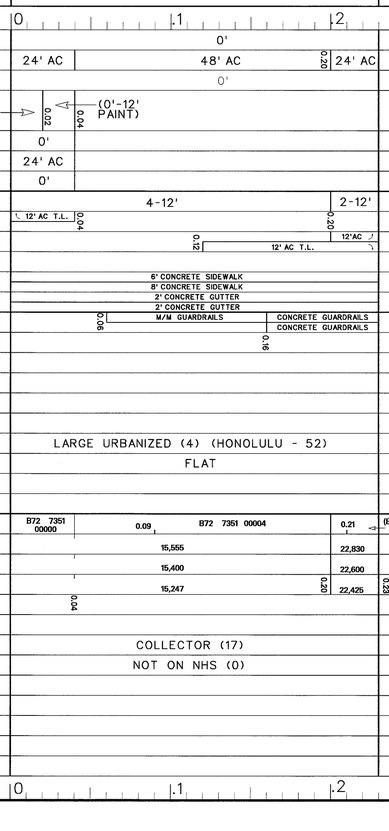
## Road Diagram

* MP-Milepost Signage




SCALE: (In Miles) 2" = 0.1 mile

Divided Highway
- Undivided
  - Shoulder: Width and Type
  - Pavement: Width and Type
  - Shoulder: Width and Type
- Median: Width and Type
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type




Number of Traffic Lanes
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
(Right Side)
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left)
Curb and/or Gutter: Type (Right and Left)
Protective Devices: Type, Location and Number
Illumination: Type, Location and Number
Curves: Degree of Curvature (Right and Left)
Superelevation (Range)
Grades: % Grade, Positive or Negative
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: LARGE URBANIZED (4) (HONOLULU - 52)
Terrain: 1-Flat, 2-Rolling, 3-Mountainous: FLAT
Speed: 1-Design, 2-Posted
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year)




HPMS Sections - AADT 2007
HPMS Sections - AADT 2006
HPMS Sections - AADT 2005
DOD Sections
Census Tracts
Functional Classification: COLLECTOR (17)
National Highway System (NHS): NOT ON NHS (0)
Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 0.1 mile

| Date Released |
|---|
| Sept 1994 |

| Revised | |
|---|---|
| Oct 95 | p. t. |
| Aug 04 | D.B. |
| 5/06 | G.N. |

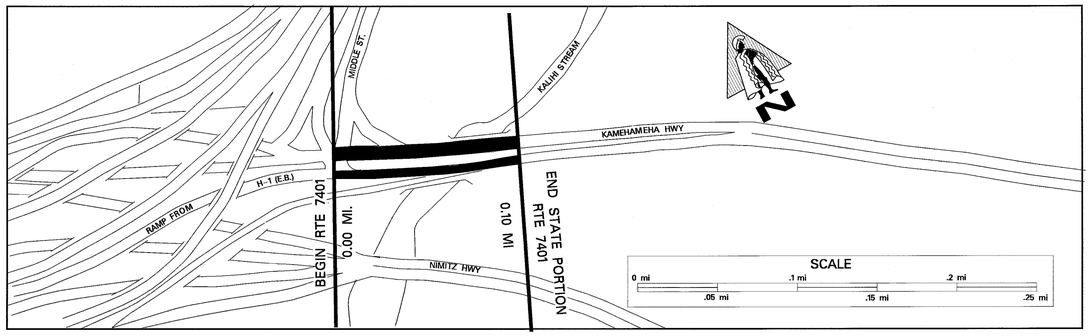
# ROAD INVENTORY
# OAHU RTE 7401
# KAMEHAMEHA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**Total Route Length:** 0.10 miles
**a. Survey Length:** 0.10 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles

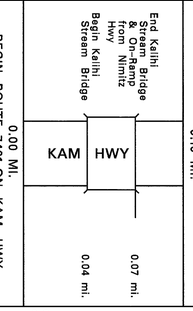
*




| | |
|---|---|
| SCALE: (In Miles) 20" = 1 mile | 0.0 … 0.10 … 0.20 … 0.30 … 0.40 … 0.50 … 0.60 … 0.70 … 0.80 … 0.90 … 1.00 |
| Maintenance Control Sections : Length and Description | |
| Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed | |
| Structure Carrying Road — Vertical Clearance | |
| Structure Carrying Road — Horizontal Clearance | |
| Structure Over Road — Vertical Clearance | |
| Structure Over Road — Horizontal Clearance | |
| Right of Way Width (min.–max.) if varies | |
| Available Right of Way Width (Needs Study) | |
| Right of Way Fence: Type – Right and Left | |
| Control of Access: 1–None, 2–Partial, 3–Full | 2–Partial |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | State |
| Project No., Type of Construction, and Year Constructed | |
| Project No., Type of Construction, and Year Constructed | |

**Road Diagram**

* MP = Milepost Signage




| | |
|---|---|
| SCALE: (In Miles) 20" = 1 mile | 0.0 … 0.10 … 0.20 … 0.30 … 0.40 … 0.50 … 0.60 … 0.70 … 0.80 … 0.90 … 1.00 |
| Divided Highway Undivided — Shoulder: Width and Type | 2' AC |
| Pavement: Width and Type | 48' AC |
| Shoulder: Width and Type | 1' AC |
| Median: Width and Type | 5'–12' Raised Conc. |
| Shoulder: Width and Type | 1' AC |
| Pavement: Width and Type | 24' AC |
| Shoulder: Width and Type | 2' AC |
| Number of Traffic Lanes | 4–12'<br>2–12' |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | 1–12' (R) T.L. |
| (Right Side) | |
| Frontage Road: No. of Lanes, and Width (Right and Left) | |
| Sidewalk: Width and Type (Right and Left) | 6' Conc. |
| Curb and/or Gutter: Type (Right and Left) | Conc. Curb<br>Conc. Curb |
| Protective Devices: Type, Location and Number | |
| Illumination: Type, Location and Number | |
| Curves: Degree of Curvature (Right and Left) | |
| Superelevation (Range) | |
| Grades: % Grade, Positive or Negative | |
| Vertical Curve: Crest or Sag, Curve Limits | |
| Area and Development: | ← (Large Urbanized (4) (Honolulu – 52)) |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | 1 Flat |
| Speed: 1–Design, 2–Posted | |
| Intersection Control Devices: Type, Location and Cycle Timing | 3 Phase |
| Traffic Stations (Current Year) | B72 7401 00000 (0.00 … 0.07 … 0.10) |
| HPMS Sections – AADT 2007 | 35,460 |
| DOD Sections | |
| Census Tracts | |
| Functional Classification | Minor Arterial (16) |
| National Highway System (NHS) | Not On NHS (0) |
| Previous Projects: Project No., Date and Limits | |
| SCALE: (In Miles) 20" = 1 mile | 0.0 … 0.10 … 0.20 … 0.30 … 0.40 … 0.50 … 0.60 … 0.70 … 0.80 … 0.90 … 1.00 |

| Date Released | |
|---|---|
| Dec. 03, D.B. | |
| **Revised** | |
| May 04 | D.B. |
| 6/06 | D.B. |

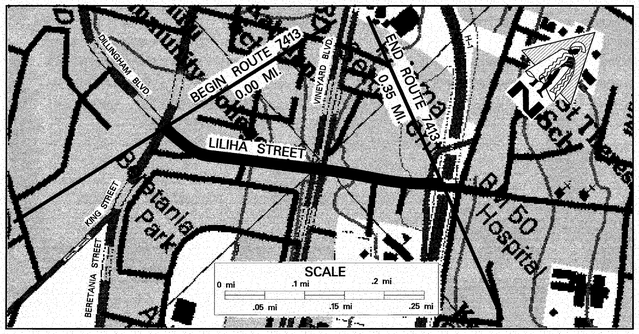
# ROAD INVENTORY
# OAHU RTE 7413
# LILIHA STREET

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**Total Route Length:** 0.35 miles
**a. Survey Length:** 0.35 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles

*




SCALE: (In Miles) 20" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

**Maintenance Control Sections : Length and Description**

BEGIN 7413 A SAME AS BEGIN ROUTE | 7413 A (0.35 MI. LENGTH OF PORTION ON FAU 9700) | END 7413 A ON LILIHA STREET AT SOUTH E.P. OF SCHOOL STREET

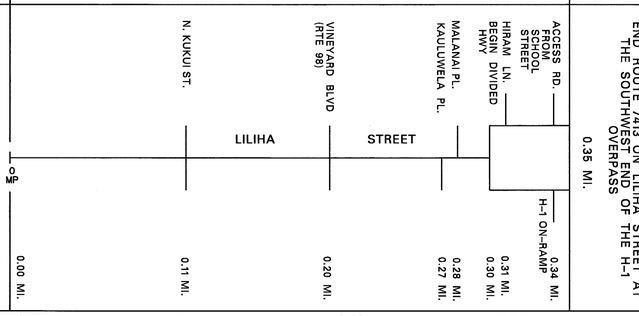
**Structure Carrying Road**
- **Bridges (Over 20'): Length, Type, Capacity and Year Constructed**
- **Vertical Clearance**
- **Horizontal Clearance**

**Structure Over Road**
- **Vertical Clearance**
- **Horizontal Clearance**

**Right of Way Width (min.–max.) if varies:** ESTIMATED 70'–120'
**Available Right of Way Width (Needs Study):** RESIDENTIAL / COMMERCIAL
**Right of Way Fence: Type – Right and Left:** 0.05 TILE WALL 15' FROM EDGE OF PAVEMENT 0.16
**Control of Access: 1–None, 2–Partial, 3–Full:** NONE
**Jurisdiction, Transfer Phase No. and Date (C to S or S to C):** STATE
**Project No., Type of Construction, and Year Constructed:** STP–7413(1), 1995, RESURFACING
**Project No., Type of Construction, and Year Constructed:**

## Road Diagram

* MP = Milepost Signage




SCALE: (In Miles) 20" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

**Divided Highway – Undivided**
- **Shoulder: Width and Type:** NONE | 0
- **Pavement: Width and Type:** 40' AC | 54' AC | 60' AC | 32' AC
- **Shoulder: Width and Type:** NONE | 0

**Divided Highway**
- **Median: Width and Type:** 0'–10' PAINTED AC
- **Median Barriers:**
- **Shoulder: Width and Type:** 0
- **Pavement: Width and Type:** 34' AC
- **Shoulder: Width and Type:** 0

**Number of Traffic Lanes:** 2–10' (L), 2–10' (R) | 1–10' (L), 1–16' (L), 1–10' (R), 1–18' (R) | (R) 1–12', 1–18' (L) 1–12', 1–18' | (R) 1–14', 1–20' (L) 1–14', 1–18'
**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side):** 1–9' TL (L) | 10' TL (L) | 10' TL
**(Right Side):** 1–9' TL (L) | 9' TL (L) | 8' PARK | 10' TL
**Frontage Road: No. of Lanes, and Width (Right and Left):**
**Sidewalk: Width and Type (Right and Left):** 6'–8' CONC. SIDEWALK (L) & (R)
**Curb and/or Gutter: Type (Right and Left):** CONCRETE CURB (L) & (R)
**Protective Devices: Type, Location and Number:** NONE
**Illumination: Type, Location and Number:** MERCURY VAPOR
**Curves: Degree of Curvature (Right and Left):**
**Grades: % Grade, Positive or Negative:**
**HOV Lanes/Contra–Flow Lanes:**
**Vertical Curve: Crest or Sag, Curve Limits:**
**Area and Development:** LARGE URBANIZED (4) (HONOLULU – 52)
**Terrain: 1–Flat, 2–Rolling, 3–Mountainous:** FLAT
**Speed: 1–Design, 2–Posted:** NOT POSTED | 25 MPH (2) | NOT POSTED 25 MPH (2)
**Intersection Control Devices: Type, Location and Cycle Timing:** TRAFFIC LIGHT | TRAFFIC LIGHT
**Traffic Stations (Current Year):** B72 7413 00000 (0.26)
**HPMS Sections – AADT 2007:** 25,050
**HPMS Sections – AADT 2006:** 24,800
**HPMS Sections – AADT 2005:** 24,560
**DOD Sections:** DOD 485 | DOD 490
**Census Tracts:** CT 54 | CT 53 | CT 55
**Functional Classification:** MINOR ARTERIAL (16)
**National Highway System (NHS):** NOT ON NHS (0)
**Previous Projects: Project No., Date and Limits:** 9700B–01–83M, 1983, (R) | U–097–1(2), 1967 | F–090–1(2), 1963
**HPMS:**

SCALE: (In Miles) 20" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

| Date Released |
|---|
| MAY 05, D.B. |

| Revised | |
|---|---|
| 6/06 | D.B. |

# ROAD INVENTORY

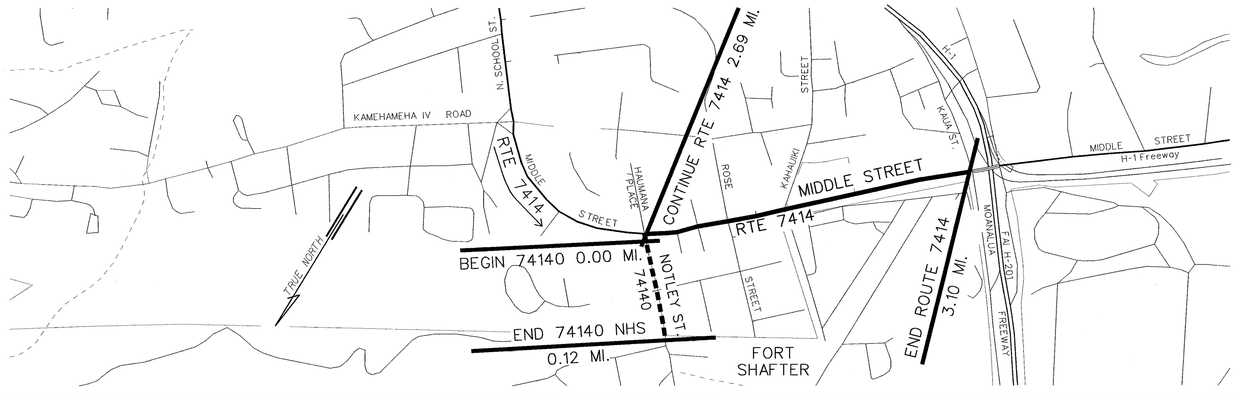
# OAHU ROUTE 7414 & 74140 (County)
# MIDDLE STREET & NOTLEY STREET

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | 7414 | 74140 | |
|---|---|---|---|
| Total Designated Route Length: | 0.41 | 0.12 | MILES (a+b) |
| a. Existing Length: | 0.41 | 0.12 | MILES |
| b. Proposed Length: | 0.00 | 0.00 | MILES |
| Total Travel Way Length: | 0.41 | 0.12 | MILES (a+b, less c) |
| a. Existing Length: | 0.41 | 0.12 | MILES |
| b. Temporary Length: | 0.00 | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 20" = 1 mile

| | | |

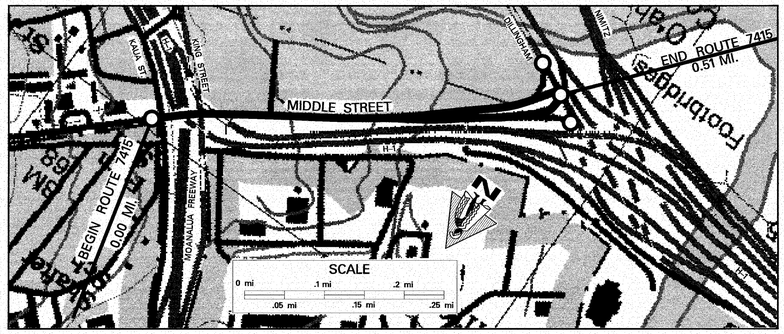
# ROAD INVENTORY
# OAHU RTE 7415
# MIDDLE STREET

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**Total Route Length:** 0.51 miles
**a. Survey Length:** 0.51 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles

*




SCALE: (In Miles) 20″ = 1 mile

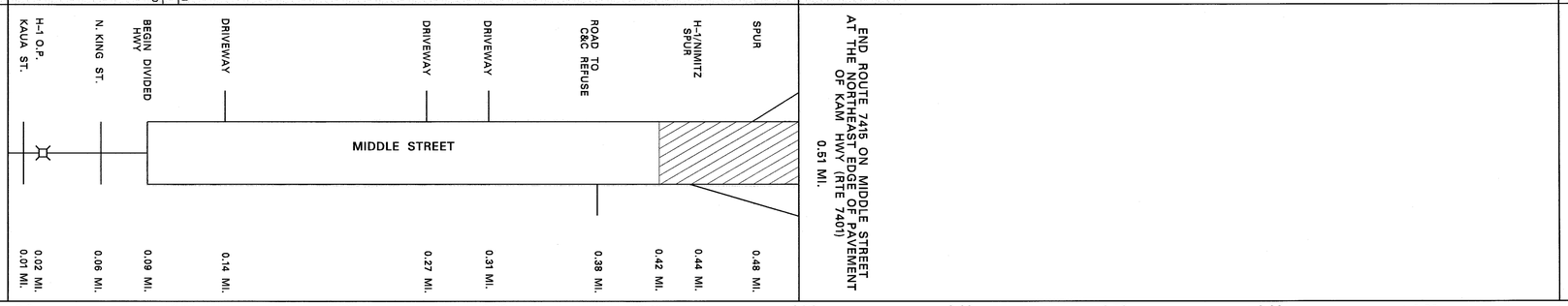
0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

| | | |
|---|---|---|
| Maintenance Control Sections : Length and Description | | |
| Structure Carrying Road | Bridges (Over 20'): Length, Type, Capacity and Year Constructed | RC BOX GDR. HS 20, 1964 |
| | Vertical Clearance | 0.02 |
| | Horizontal Clearance | 52′ |
| Structure Over Road | Vertical Clearance | |
| | Horizontal Clearance | |
| Right of Way Width (min.–max.) if varies | | 240′–420′ |
| Available Right of Way Width (Needs Study) | | RESIDENTIAL/COMMERCIAL |
| Right of Way Fence: Type – Right and Left | | 0.08 CL-6′ 0.06 |
| Control of Access: 1–None, 2–Partial, 3–Full | | NONE |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | | STATE |
| Project No., Type of Construction, and Year Constructed | | (I-H1-1(131):17, 1982) 0.10 0.11 |
| Project No., Type of Construction, and Year Constructed | | H1H–01–97M, (R), 1998 |

Indicates Grass & / or Physical Barrier on Median.

## Road Diagram

* MP=Milepost Signage




SCALE: (In Miles) 20″ = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

| | | |
|---|---|---|
| Divided Highway – Undivided | Shoulder: Width and Type | 0 |
| | Pavement: Width and Type | 48′ AC \| 24′ AC |
| | Shoulder: Width and Type | 0 \| 0 |
| | Median: Width and Type | 0–10′ PAINTED AC \| 10′–60′ RAISED GRASS |
| | Median Barriers: | 0.09 \| 0.42 |
| | Shoulder: Width and Type | 0 |
| | Pavement: Width and Type | 24′ AC |
| | Shoulder: Width and Type | 0 |
| Number of Traffic Lanes | | 4–12′ |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | | 0.27 1–10′ ACCELL; 0.38 1–12′ TL 0.47 |
| (Right Side) | | 0.11 1–12′ TL 0.28 |
| Frontage Road: No. of Lanes, and Width (Right and Left) | | |
| Sidewalk: Width and Type (Right and Left) | | 0.44 10′ CONC. SIDEWALK; 0.02 2′ CONC. 0.05; 0.07 10′ AC BIKEWAY/WALKWAY |
| Curb and/or Gutter: Type (Right and Left) | | 2′ CONC. (2′ CONC. C & G) 0.26 4′ CONC. GUTTER 0.40 2′ CONC. GUTTER; 2′ CONC. CURB & GUTTER |
| Protective Devices: Type, Location and Number | ALL GUARDRAILS METAL ON METAL | 0.02 0.05 0.42 G.R. BARRIER ON MEDIAN |
| Illumination: Type, Location and Number | | |
| Curves: Degree of Curvature (Right and Left) | | |
| Grades: % Grade, Positive or Negative | | |
| HOV Lanes/Contra–Flow Lanes | | |
| Vertical Curve: Crest or Sag, Curve Limits | | |
| Area and Development: | | LARGE URBANIZED (4) (HONOLULU – 52) |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | | FLAT |
| Speed: 1–Design, 2–Posted | | 30 MPH (2) \| 0.26 35 MPH (2) \| 0.46 NOT POSTED; NOT POSTED |
| Intersection Control Devices: Type, Location and Cycle Timing | | 0.01 TRAFFIC SIGNALS 0.06; TRAFFIC SIGNAL 0.51 |
| Traffic Stations (Current Year) | | B72 7415 00000 \| 0.31 B72 7415 00042 |
| HPMS Sections – AADT 2007 | | 14,750 |
| HPMS Sections – AADT 2006 | | 14,600 |
| HPMS Sections – AADT 2005 | | 14,456 |
| DOD Sections | | 0.42 |
| Census Tracts | | 62.01 \| 0.06 66 \| 60 |
| Functional Classification | | MINOR ARTERIAL (6) |
| National Highway System (NHS) | | NOT ON NHS (0) |
| Previous Projects: Project No., Date and Limits | | 0.10 I-H1-1(131):17, 1982 \| 0.41 I-IR-H1-1(169): 17, 1986 |

SCALE: (In Miles) 20″ = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

| Date Released | |
|---|---|
| MAY 05, DB | |
| **Revised** | |
| 6/06 | DB |

# ROAD INVENTORY
# OAHU RTE 7601
# OLD WAIALAE ROAD, KING STREET

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

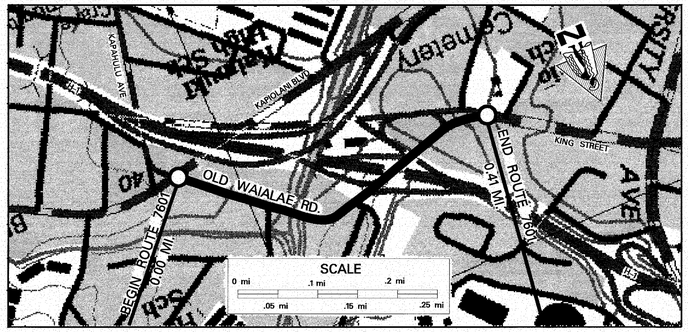
**Total Route Length:** 0.41 miles

**a. Survey Length:** 0.41 miles

**b. Proposed Length:** 0.00 miles

**c. Other Length: *** 0.00 miles

*




SCALE: (In Miles) 20″ = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

**Maintenance Control Sections : Length and Description**

BEGIN 7601A SAME AS BEGIN ROUTE — 7601 A (0.41 MI.) — END 6601A SAME AS END ROUTE

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

**Vertical Clearance**

**Horizontal Clearance**

**Structure Over Road**

**Vertical Clearance**

**Horizontal Clearance**

**Right of Way Width (min.–max.) if varies**

**Available Right of Way Width (Needs Study)**

**Right of Way Fence: Type – Right and Left**

**Control of Access: 1–None, 2–Partial, 3–Full**

NONE

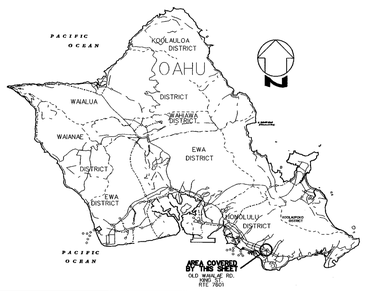
**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

STATE

**Project No., Type of Construction, and Year Constructed**

**Project No., Type of Construction, and Year Constructed**

STP-0300(30), (RESURFACING), 1995




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

BEGIN ROUTE 7601 ON OLD WAIALAE ROAD AT THE NORTHWESTY EDGE OF PAVEMENT OF KAPIOLANI BLVD. 0.00 MI.

PALOLO–MANOA STREAM BRIDGE — KOALI ROAD — U. OF H. MAKAI (KALELE RD.) CAMPUS — OFF-RAMP TO H-1 WEST — H-1 SEPERATION UNDERPASS — BEGIN DIVIDED OVERPASS (KING ST. OFF-RAMP) — ACCESS TO KING ST. — KEHENA PL.

OLD WAIALAE ROAD
ONE WAY →
KING ST.
TWO WAY

0.11 MI. 0.13 MI. 0.22 MI. 0.25 MI. 0.27 MI. 0.30 MI. 0.31 MI. 0.35 MI. 0.37 MI. 0.38 MI. 0.39 MI.

END ROUTE 7601 ON KING STREET AT END OF DIVIDED SECTION (@CONC. NOSE) 0.41 MI.

SCALE: (In Miles) 20″ = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

**Divided Highway — Undivided**

**Shoulder: Width and Type**

0 | 0.20 6′ AC PAINTED 0.26 | 0

**Pavement: Width and Type**

36′ AC | 0.25 12′ AC | 12′ AC | 0.38 24′ AC

**Shoulder: Width and Type**

0 | 0

**Median: Width and Type**

2′–10′ AC ROLL (FLUSH) | 0.38 2′ AC (PAINT) 0.38 | 2′–8′ CONC. (RAISED)

**Median Barriers:**

0.31

**Shoulder: Width and Type**

0

**Pavement: Width and Type**

24′ AC/PCC | 0.37 24′ AC

**Shoulder: Width and Type**

0

**Number of Traffic Lanes**

3–12′ | 0.25 1–12′ | 1–12′ | 0.38 2–12′

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

2–12′

0.37 0.38

**(Right Side)**

0.03 0.06 (20′ AC BUS LANE) — 1–12′ T.L. — 0.38

**Frontage Road: No. of Lanes, and Width (Right and Left)**

0.31 0.25 0.38

**Sidewalk: Width and Type (Right and Left)**

6′ CONC. S.W. (L)(R) | 0.06 6′ AC S.W. (L)(R) 0.28 | 6′ CONC. S.W. (L)(R) | 6′ AC | 6′ CONC. | 6′ AC

**Curb and/or Gutter: Type (Right and Left)**

1′ CONC. C&G (L)(R) | 1′ AC CURB & GUTTER (L)(R) | 1′ CONC. C&G | CONC. CURB 1′ AC C&G | 1′ AC C&G

**Protective Devices: Type, Location and Number**

0.03 0.06 (CONC. BARRIER) 0.06 (M/M GUARDRAIL) | 0.13 0.18 (CONC. HEADWALLS) | 0.18 M/M GUARDRAIL 0.25 | 0.25 (1′ CONC. C&G)

**Illumination: Type, Location and Number**

17 MERCURY VAPOR

**Curves: Degree of Curvature (Right and Left)**

**Grades: % Grade, Positive or Negative**

**HOV Lanes/Contra-Flow Lanes**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

LARGE URBANIZED (4) (HONOLULU – 52)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**

FLAT

**Speed: 1–Design, 2–Posted**

25 MPH (2) | 0.41 SCHOOL ZONE 25 MPH (2)

**Intersection Control Devices: Type, Location and Cycle Timing**

0.00 TRAFFIC LIGHT

**Traffic Stations (Current Year)**

B72 7601 00000 0.13 | 0.26 B72 7601 00025 | B72 7601 00031 0.39 | B72 7601 00039

**HPMS Sections – AADT 2007**

22,020 | 23,840 (44,645) →

**HPMS Sections – AADT 2006**

21,800 | 23,600 (44,200) → 0.41

**HPMS Sections – AADT 2005**

21,559 | 0.25 23,329 (43,807) → 0.31

**DOD Sections**

**Census Tracts**

**Functional Classification**

PRINCIPAL ARTERIAL (14)

**National Highway System (NHS)**

NOT ON NHS (0)

**Previous Projects: Project No., Date and Limits**

SCALE: (In Miles) 20″ = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

| Date Released | |
|---|---|
| MAY 05, D.B. | |
| **Revised** | |
| 6/06 | D.B. |

# ROAD INVENTORY

# OAHU RTE 8930
# NORTH–SOUTH ROAD

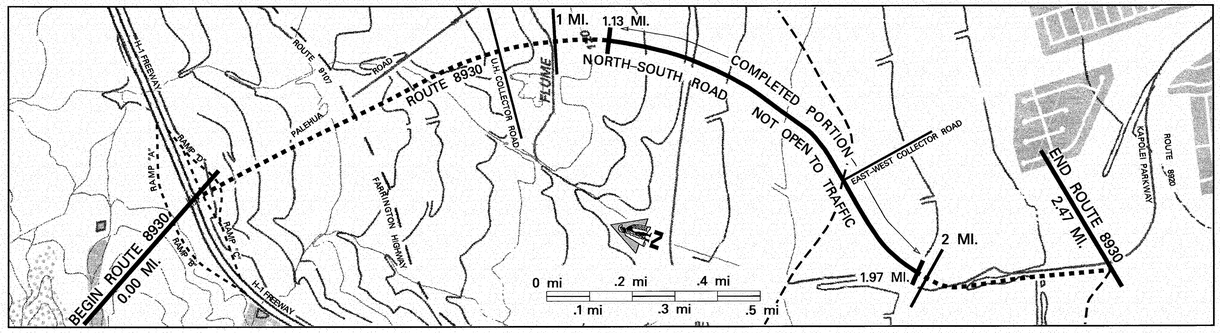
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

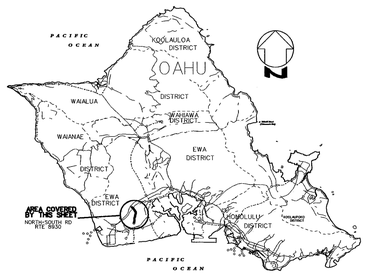
**Total Route Length:** 2.47 miles
**a. Survey Length:** 0.00 miles
**b. Proposed Length:** 1.63 miles
**c. Other Length: *** 0.84 miles

* New Construction




SCALE: (In Miles) 4" = 1 mile — 0 | 1 | 2 | 3

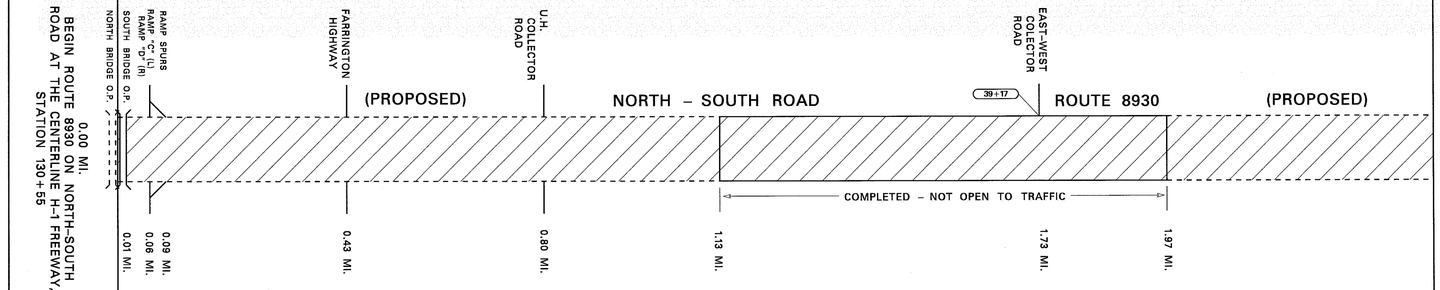
| | |
|---|---|
| Maintenance Control Sections : Length and Description | |
| Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed | |
| Structure Carrying Road — Vertical Clearance | |
| Structure Carrying Road — Horizontal Clearance | |
| Structure Over Road — Vertical Clearance | |
| Structure Over Road — Horizontal Clearance | |
| Right of Way Width (min.–max.) if varies | |
| Available Right of Way Width (Needs Study) | |
| Right of Way Fence: Type – Right and Left | |
| Control of Access: 1–None, 2–Partial, 3–Full | |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | STATE |
| Project No., Type of Construction, and Year Constructed | STP–8930(2) PHASE 1–B, UNDER CONSTRUCTION (26+50) |
| Project No., Type of Construction, and Year Constructed | STP–8930(4) PHASE 1–C, PROPOSED (0.42) (1.13) (71+00) STP–8930(1), PHASE 1A, NEW ROADWAY, 2007 COMPLETED (1.97) |




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage




SCALE: (In Miles) 4" = 1 mile — 0 | 1 | 2 | 3

| | |
|---|---|
| Divided Highway — Undivided — Shoulder: Width and Type | |
| Divided Highway — Undivided — Pavement: Width and Type | 36' PCC (0.80) 24' PCC |
| Divided Highway — Undivided — Shoulder: Width and Type | |
| Divided Highway — Median: Width and Type | 6'–24' RAISED GRASS |
| Divided Highway — Median Barriers: | |
| Divided Highway — Shoulder: Width and Type | |
| Divided Highway — Pavement: Width and Type | 36' PCC (0.80) 24' PCC |
| Divided Highway — Shoulder: Width and Type | |
| Number of Traffic Lanes | 6–12' (0.80) 4–12' |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | |
| (Right Side) | |
| Frontage Road: No. of Lanes, and Width (Right and Left) | |
| Sidewalk: Width and Type (Right and Left) | |
| Curb and/or Gutter: Type (Right and Left) | |
| Protective Devices: Type, Location and Number | |
| Illumination: Type, Location and Number | |
| Curves: Degree of Curvature (Right and Left) | |
| Grades: % Grade, Positive or Negative | |
| HOV Lanes/Contra–Flow Lanes | |
| Vertical Curve: Crest or Sag, Curve Limits | |
| Area and Development: | LARGE URBANIZED (4) (HONOLULU – 52) |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | |
| Speed: 1–Design, 2–Posted | 35 MPH |
| Intersection Control Devices: Type, Location and Cycle Timing | |
| Traffic Station | |
| HPMS Section | |
| AADT | |
| DOD Sections | |
| Census Tracts | |
| Functional Classification | PRINCIPAL ARTERIAL (14) |
| National Highway System (NHS) | NOT ON NHS (0) |
| Previous Projects: Project No., Date and Limits | |

SCALE: (In Miles) 4" = 1 mile — 0 | 1 | 2 | 3

| Date Released |
|---|
| *Mar. 2007, D.B.* |
| **Revised** |
| *D. B. 12/07* |
| *D. B. 2/09* |

# ROAD INVENTORY

# OAHU RTE 8940

# FRANKLIN D. ROOSEVELT AVENUE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

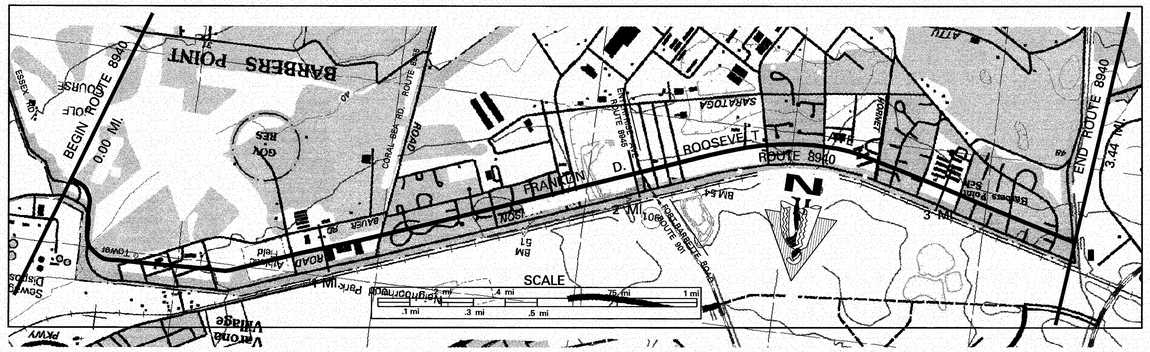
**Total Route Length:** 3.44 miles

**a. Survey Length:** 3.44 miles

**b. Proposed Length:** 0.00 miles

**c. Other Length: *** 0.00 miles

*




SCALE: (In Miles) 4" = 1 mile

0 1 2 3 4 5

**Maintenance Control Sections : Length and Description**

**Structure Carrying Road**

**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**

**Vertical Clearance**

**Horizontal Clearance**

**Structure Other Road**

**Vertical Clearance**

**Horizontal Clearance**

**Right of Way Width (min.–max.) if varies**

**Available Right of Way (Needs Study)**

**Right of Way Fence: Type – Right and Left**

(WOOD FENCE 30' FEP) 0.28 0.37 — CHAIN LINK FENCE 5' FEP 1.18 1.57 — (CHAIN LINK FENCE 30' FEP) 1.79 — (CHAIN LINK FENCE 10' FEP) 2.33 2.44 — (CHAIN LINK FENCE 50' FEP) 2.91 3.02

CHAIN LINK FENCE 50' FROM EDGE OF PAVEMENT — CHAIN LINK FENCE 10' FROM EDGE OF PAVEMENT

**Control of Access: 1–None, 2–Partial, 3–Full**

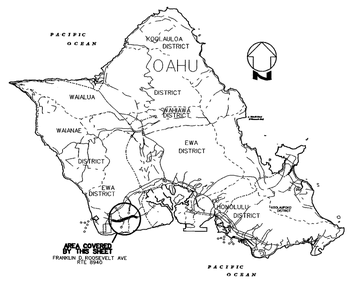
1–NONE

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**

STATE

**Project No., Type of Construction, and Year Constructed**

**Project No., Type of Construction, and Year Constructed**




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

BEGIN ROUTE 8940 ON FRANKLIN D. ROOSEVELT AVENUE AT GEIGER ROAD/FBPNAS GATE.

0.00 mi.

ESSEX ROAD END DIVIDED 0.03 MI. 0.01 MI.
TICONDEROGA RD. 0.44 MI.
PHILIPPINE SEA PHILIPPINE SEA 0.55 MI. 0.53 MI.
KASAAN BAY RD. 0.66 MI.
CORREGIDOR RD. 0.91 MI.
SPUR CORAL SEA ROAD SPUR 1.20 MI. 1.18 MI. 1.16 MI.
BOUGAINVILLE RD. 1.57 MI.
END DIV. HWY BEGIN DIV. HWY NASSAU AVE 1.86 MI. 1.84 MI. 1.79 MI.
CULVERT 1.95 MI.
BATAAN AVE TRIPOLI AVE TINIAN AVE FORT BARRETTE RD. (R) ENTERPRISE AVE (L) (ROUTE 8945) 2.16 MI. 2.12 MI. 2.08 MI. 2.03 MI.
LEXINGTON ST. 2.43 MI.
VALLEY FORGE AVE 2.52 MI.
FRANKLIN AVE 2.60 MI.
ENTRANCES TO PARKING LOT 2.63 MI. 2.70 MI.
HORNET AVE 2.77 MI. 2.82 MI.
TULAGI ST. 2.91 MI.
COPAHEE AVE 3.03 MI.
KEARSARGE ST. 3.21 MI.
ROAD W/ NO STOP SIGN 3.27 MI.
BOXER ROAD 3.36 MI.
CORAL ROAD 3.43 MI.

FRANKLIN D. ROOSEVELT AVENUE

END ROUTE 8940 ON FRANKLIN D. ROOSEVELT AVENUE AT WEST PERIMETER FENCE BDRY

3.44 mi.

SCALE: (In Miles) 4" = 1 mile

0 1 2 3 4 5

**Divided Highway**

**Undivided**

**Shoulder: Width and Type**

15' CORAL 0.00 0.06 — 6' GRASS 0.33 — 16' CORAL 0.44 — 15' GRASS 0.86 — 15' CORAL 1.02 — 14' GRASS 1.57 — (3' GRS.) 1.60 — 15' GRASS 1.88 — 5' GRASS 2.04 — 0 2.12 — 2' GRASS 2.49 — 0 2.62 — 4' GRASS 2.81 — 19' GRASS 3.03 — 6' GRASS

**Pavement: Width and Type**

(1-14') 28' AC 1.14 — 20' AC 1.22 — 28' AC 1.75 — 24' AC 2.06 — (12' AC) 24' AC 2.20 — 30' AC 2.40 — 26' AC 2.53 — 28' AC 30' AC

**Shoulder: Width and Type**

(0) 15' GRASS 0.71 — 15' CORAL 1.60 — 2' GRASS 1.79 — 0 — 4' GRASS 2.10 — 15' CORAL 2.40 — 5' GRASS

**Median: Width and Type**

(10' RAISED GRASS) 0.07 — (12' GRASS) 1.84 — (0'-12' PAINT) 1.88

**Median Barriers:**

**Shoulder: Width and Type**

(0) — (12' AC)

**Pavement: Width and Type**

(1-14')

**Shoulder: Width and Type**

(10' GRASS) — (12' GRASS)

**Number of Traffic Lanes**

2–14' — (2-10') 1.14 1.22 — 2–14' — 1.75 1.79 1.85 — 2–12' 2.06 — 2–15' 2.20 — 2–13' 2.40 2.59 — 2–15'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

0.03 0.07 — 10' T.L. 1.17 1.21 — 12' T.L. 1.85 1.88 2.02 2.04 2.06

**(Right Side)**

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**

1.45 1.57 — (3' CONC) — 3' CONC 2.06 — 3' CONC 3.36

**Curb and/or Gutter: Type (Right and Left)**

CURB 0.50 0.51 — CURB 0.60 0.63 — 3' CONC — 2.07 — 2.12 (AC CURBS) — 2.52 2.46 2.56 2.63 CURB 2.77

M/M 1.87 2.03 — 2.09 2.07 (CURB) (CURB & GUTTER)

**Protective Devices: Type, Location and Number**

**Illumination: Type, Location and Number**

**Curves: Degree of Curvature (Right and Left)**

**Grades: % Grade, Positive or Negative**

**HOV Lanes/Contra-Flow Lanes**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:**

LARGE URBANIZED (4) (HONOLULU – 52)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**

1–FLAT

**Speed: 1–Design, 2–Posted**

(25 MPH (2)) 0.13 — 35 MPH (2) — (25 MPH (2)) 2.00 2.14 — 35 MPH (2) — 2.76 — (20 MPH (2)) — 3.03 — 15 MPH (2) — NOT POSTED

(NOT POSTED) — 25 MPH (2) — 35 MPH (2) — 15 MPH (2)

**Intersection Control Devices: Type, Location and Cycle Timing**

0.05 0.47 — STOP SIGNS 2.05 2.07 — 2.77 2.92

**Traffic Stations (Current Year)**

2.09 — 3.34

**HPMS Sections – AADT 2007**

1,000

**DOD Sections**

**Census Tracts**

**Functional Classification**

(MINOR ARTERIAL (16) – PROPOSED) 2.06 — (MAJOR COLLECTOR (17) – PROPOSED) 3.34 — (LOCAL ROAD (19) – PROPOSED)

**National Highway System (NHS)**

NOT ON NHS (0)

**Previous Projects: Project No., Date and Limits**

SCALE: (In Miles) 4" = 1 mile

0 1 2 3 4 5

| Date Released |
|---|
| Nov. 2006, D.B. |
| **Revised** |
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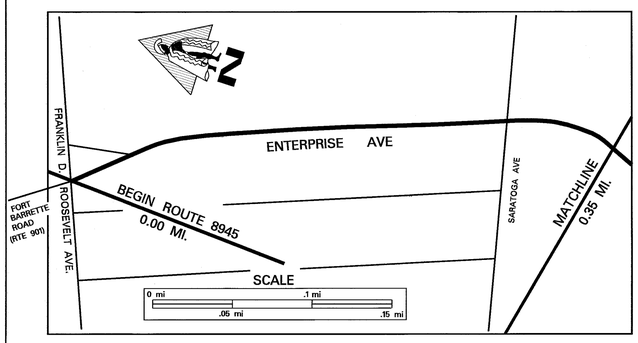
# ROAD INVENTORY
# OAHU RTE 8945
# ENTERPRISE AVENUE

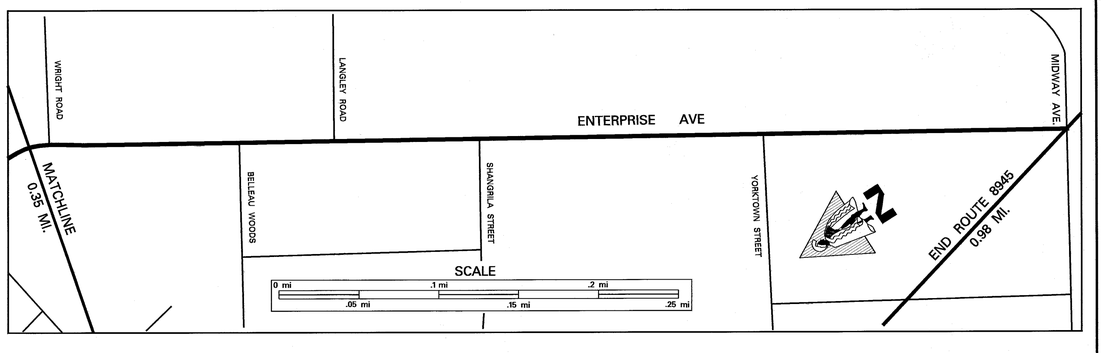
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**Total Route Length:** 0.98 miles
**a. Survey Length:** 0.98 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles

*




SCALE: (In Miles) 20″ = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

**Maintenance Control Sections : Length and Description**

**Structure Carrying Road**
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Vertical Clearance
- Horizontal Clearance

**Structure Over Road**
- Vertical Clearance
- Horizontal Clearance

**Right of Way Width (min.–max.) if varies**

**Available Right of Way Width (Needs Study)**

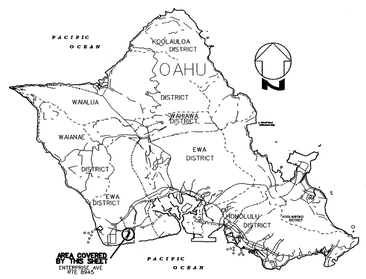
**Right of Way Fence: Type – Right and Left**
0.26 CHAIN ON POSTS 4' FROM EDGE OF PAVEMENT 0.46 | 0.37 CHAIN LINK FENCE 30' FROM EDGE OF PAVEMENT 0.69 | 0.48 CHAIN LINK FENCE 30' FROM EDGE OF PAV. 0.61 | 0.87 (CHAIN LINK FENCE 6' FROM EDGE OF PAVEMENT) 0.94 | 0.88 0.90 0.92 0.93 (CHAIN ON POSTS)

**Control of Access: 1–None, 2–Partial, 3–Full**
1–NONE

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**
STATE

**Project No., Type of Construction, and Year Constructed**

**Project No., Type of Construction, and Year Constructed**




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

BEGIN ROUTE 8945 ON ENTERPRISE AVE AT THE SOUTH EDGE OF PAVEMENT OF FRANKLIN D. ROOSEVELT AVE. 0.00 MI.

SPUR 0.02 MI. | END DIVIDED 0.05 MI. | SARATOGA AVE 0.27 MI. | BEGIN DIVIDED 0.31 MI. | END DIVIDED 0.33 MI. | WRIGHT ROAD 0.35 MI. | BELLEAU WOODS 0.47 MI. | LANGLEY ROAD 0.53 MI. | ENTERPRISE AVE | SHANGRILA STREET 0.62 MI. | MISSION ROAD 0.72 MI. | YORKTOWN STREET MONTEREY ROAD 0.79 MI. | ROAD 0.80 MI. | CARD 0.87 MI. | 0.95 MI.

END ROUTE 8945 ON ENTERPRISE AVE AT THE NORTH EDGE OF PAVEMENT OF MIDWAY AVENUE. 0.98 MI.

SCALE: (In Miles) 20″ = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

**Divided Highway — Undivided**
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type

0 | 0.02 2' GRASS 0.17 | 6' GRASS 0.23 | 10' CORAL 0.25 | 0 | 0.36 10' CORAL 0.44 | 0 | 0.54 4' AC 0.59 | 10' AC 0.64 | 6' CORAL 0.69 | 0 | 0.79 40' AC

22' AC | 32' AC 0.27 | 35' AC | 25' AC | 45' AC 0.36 | 4' GRASS 0.47 | 0 | 0.62 6' GRASS 0.68 | 6' AC 0.72 | 0 | 0.81 10' GRASS 0.88 | 6' AC 0.90 | 0

0 | 0 0.08 10' CORAL | 4' GRASS | 0

**Divided Highway**
- Median: Width and Type
- Median Barriers:
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type

0'–10' RAISED GRASS 0.05 | 0.31 | 0'-6' PAINTED AC 0.33

0 | 0.33 0

10' AC | 10' AC 20' AC

0 | 0.27 2' GRASS 0.35

**Number of Traffic Lanes**
1–10', 1–12' 1–10' | 1–10', 1–15' 0.32 | 1–10', 1–12' 2–10' | 2–10'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**

**(Right Side)**

**Frontage Road: No. of Lanes, and Width (Right and Left)**

**Sidewalk: Width and Type (Right and Left)**

**Curb and/or Gutter: Type (Right and Left)**
0.02 (AC CURB) 0.08 AC CURB | 0.23 AC CURB 0.29 | 0.44 AC CURB 0.54 | CURB 0.61 | 0.68 AC CURB 0.72 | 0.73 6" CONC. 0.75 0.76 (AC CURB) 0.82 | CURB | (CURB) 0.92

**Protective Devices: Type, Location and Number**
METAL ON METAL 0.17 | 0.47 | 0.72 | 0.81 | 0.91

**Illumination: Type, Location and Number**

**Curves: Degree of Curvature (Right and Left)**

**Grades: % Grade, Positive or Negative**

**HOV Lanes/Contra-Flow Lanes**

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:** LARGE URBANIZED (4) (HONOLULU – 52)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous** 1–FLAT

**Speed: 1–Design, 2–Posted** 25 MPH

**Intersection Control Devices: Type, Location and Cycle Timing**

**Traffic Stations (Current Year)**

**HPMS Sections – AADT 2007** 1,500 | 0.32 | 2,000

**DOD Sections**

**Census Tracts**

**Functional Classification** (MAJOR COLLECTOR (17) – PROPOSED)

**National Highway System (NHS)** NOT ON NHS (0)

**Previous Projects: Project No., Date and Limits**

SCALE: (In Miles) 20″ = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

| Date Released |
|---|
| Dec. 2006, D.B. |
| **Revised** |
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# ROAD INVENTORY

# OAHU RTE 8955
# CORAL SEA ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

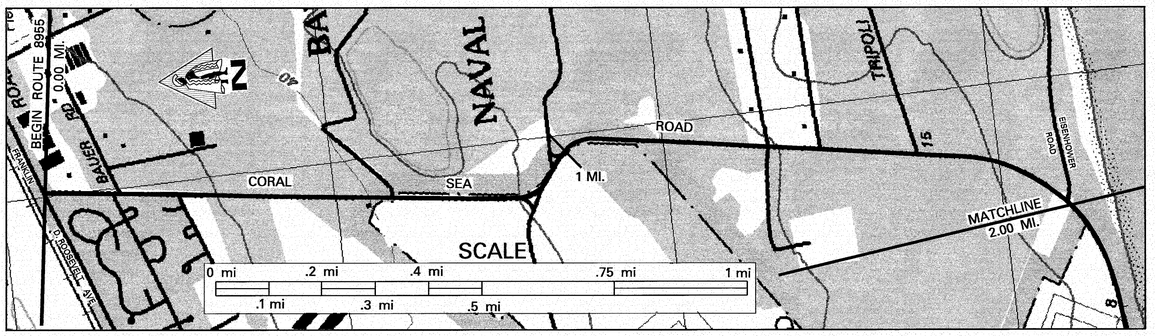
**Total Route Length:** 2.69 miles

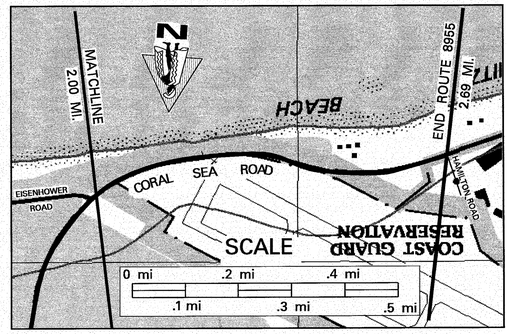
a. **Survey Length:** 2.69 miles

b. **Proposed Length:** 0.00 miles

c. **Other Length: *** 0.00 miles

*




SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3

Maintenance Control Sections : Length and Description

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed

Vertical Clearance

Horizontal Clearance

**Structure Over Road**

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies

Available Right of Way Width (Needs Study)

Right of Way Fence: Type – Right and Left

(CHAIN LINK FENCE 6' FROM E.P.) 0.24
0.69 0.61 0.70 CHAIN LINK FENCE 20' FROM E.P. 1.15 1.39 (CHAIN LINK FENCE 30' FROM E.P.) 1.60
2.04 CHAIN LINK FENCE 10'-30' FROM E.P. 2.61 2.84 (CHAIN LINK FENCE 3' FROM E.P.)
2.45 2.58 (CHAIN ON POSTS 6' FROM E.P.) (CHAIN ON POSTS 3' FROM E.P.)

Control of Access: 1–None, 2–Partial, 3–Full

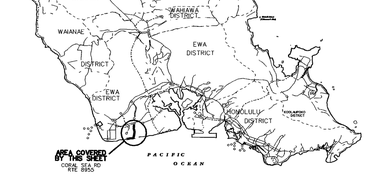
NONE

Jurisdiction, Transfer Phase No. and Date (C to S or S to C)

STATE

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP=Milepost Signage

BEGIN ROUTE 8955 ON CORAL SEA ROAD AT SOUTH EDGE OF PAVEMENT OF FRANKLIN D. ROOSEVELT AVENUE. 0.00 MI.

SPUR 0.02 mi.
BOUGAINVILLE AVE 0.12 mi.
INDEPENDENCE ROAD 0.24 mi.
SAN JUACINTO ROAD 0.87 mi.
TAKANIS BAY RD. 1.16 mi.
CORAL SEA ROAD
TRIPOLI ROAD 1.68 mi.
EISENHOWER RD. 1.99 mi.
PARK ENTRANCE 2.44 mi.
ROAD 2.63 mi.

END ROUTE 8955 ON CORAL SEA ROAD AT CENTERLINE OF BARBERS POINT AIR STATION GATE (U.S. COAST GUARD ENTRANCE) 2.69 MI.

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3

**Divided Highway – Undivided**

Shoulder: Width and Type — 10' CORAL 0.42 | 6' CORAL 2.07 | 10' CORAL 2.37 | 6' CORAL 2.45 | 6' GRASS 2.81 | 3' GRASS

Pavement: Width and Type — 28' AC 0.48 | 20' AC

Shoulder: Width and Type — 6' GRASS 0.27 | 6' CORAL 0.70 | 10' CORAL 1.15 | 6' CORAL 1.49 | 6' GRASS 2.16 | 10' GRASS 2.34 | 6' GRASS 2.48 | 10' CORAL 2.64 | 3' GRS.

**Divided Highway**

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes — 2–14' 0.46 | 2–10'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)

(Right Side)

Frontage Road: No. of Lanes, and Width (Right and Left)

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left)

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Grades: % Grade, Positive or Negative

HOV Lanes/Contra–Flow Lanes

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: LARGE URBANIZED (4) (HONOLULU – 52)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous — 1–FLAT

Speed: 1–Design, 2–Posted — 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year) — 0.46

HPMS Sections – AADT 2007 — 1,000

DOD Sections

Census Tracts

Functional Classification — (MAJOR COLLECTOR (17) – PROPOSED)

National Highway System (NHS) — NOT ON NHS (0)

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3

| Date Released |
|---|
| Dec. 2006, D.B. |
| **Revised** |
| |