STATE ROUTE SYSTEM

CITY & COUNTY OF HONOLULU

ISLAND OF OAHU

OAHU:

ROUTE	LENGTH (MILES)	
H–1	27.16	
H–2	8.33	
H–3	15.32	
H–201	4.09	
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 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.)
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	0.42	(Middle St. – NHS Section of County Route)
74140	0.12	(Notley – NHS Local Rd.)
SUBTOTAL	0.54	(County NHS)
8930	2.55	(North–South Road – Proposed Road)

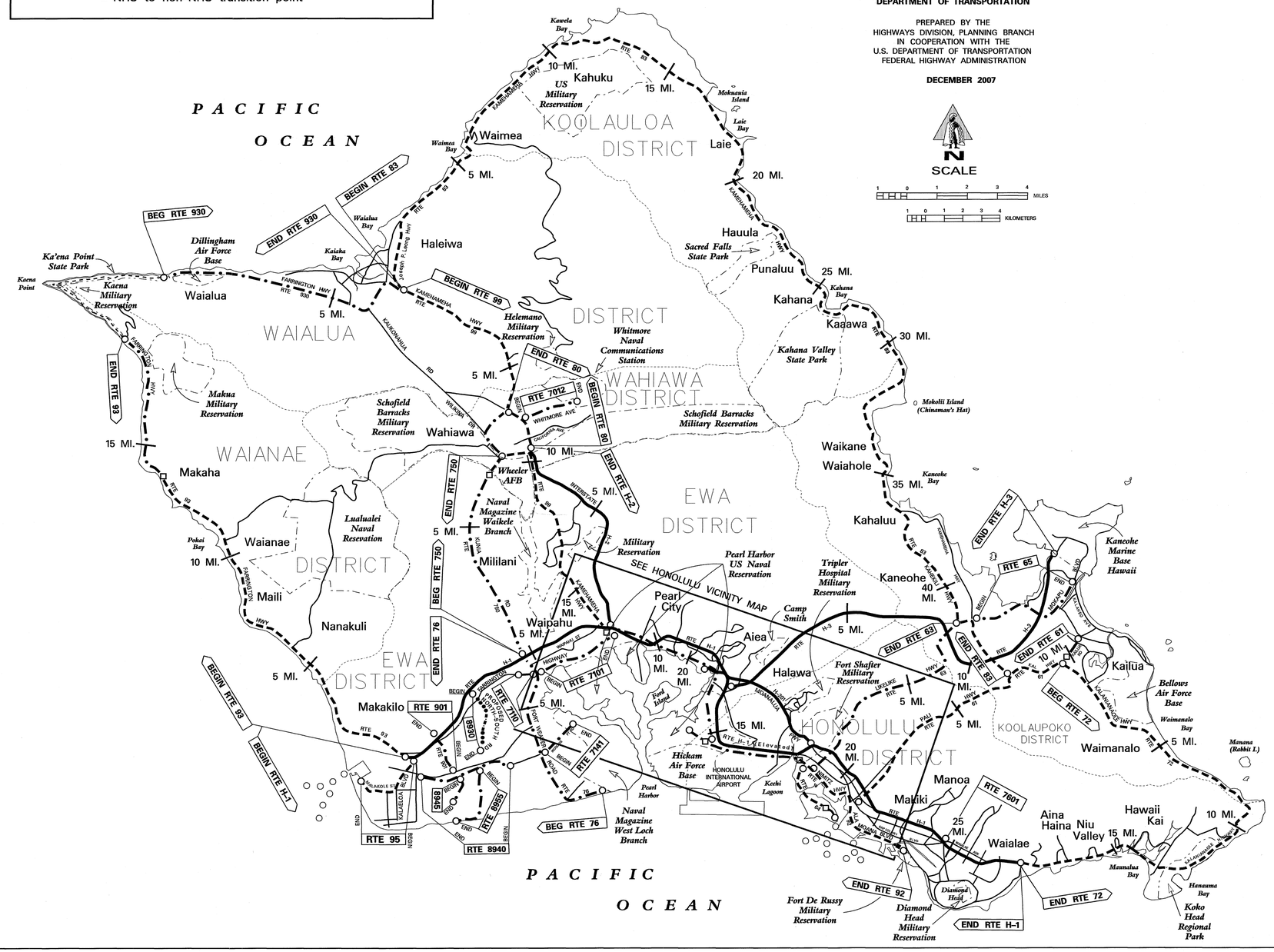
LEGEND

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

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 2007



Date Released
Dec 2002, JK
Revised
Apr. 04 D.B.
March 07 D.B.

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If you feel the information shown on this product is questionable, please contact the State of Hawaii, Highways Division, Planning Branch, at gishelp.hwyp@hawaii.gov or at (808) 587–6351 to report the issue.

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 2007

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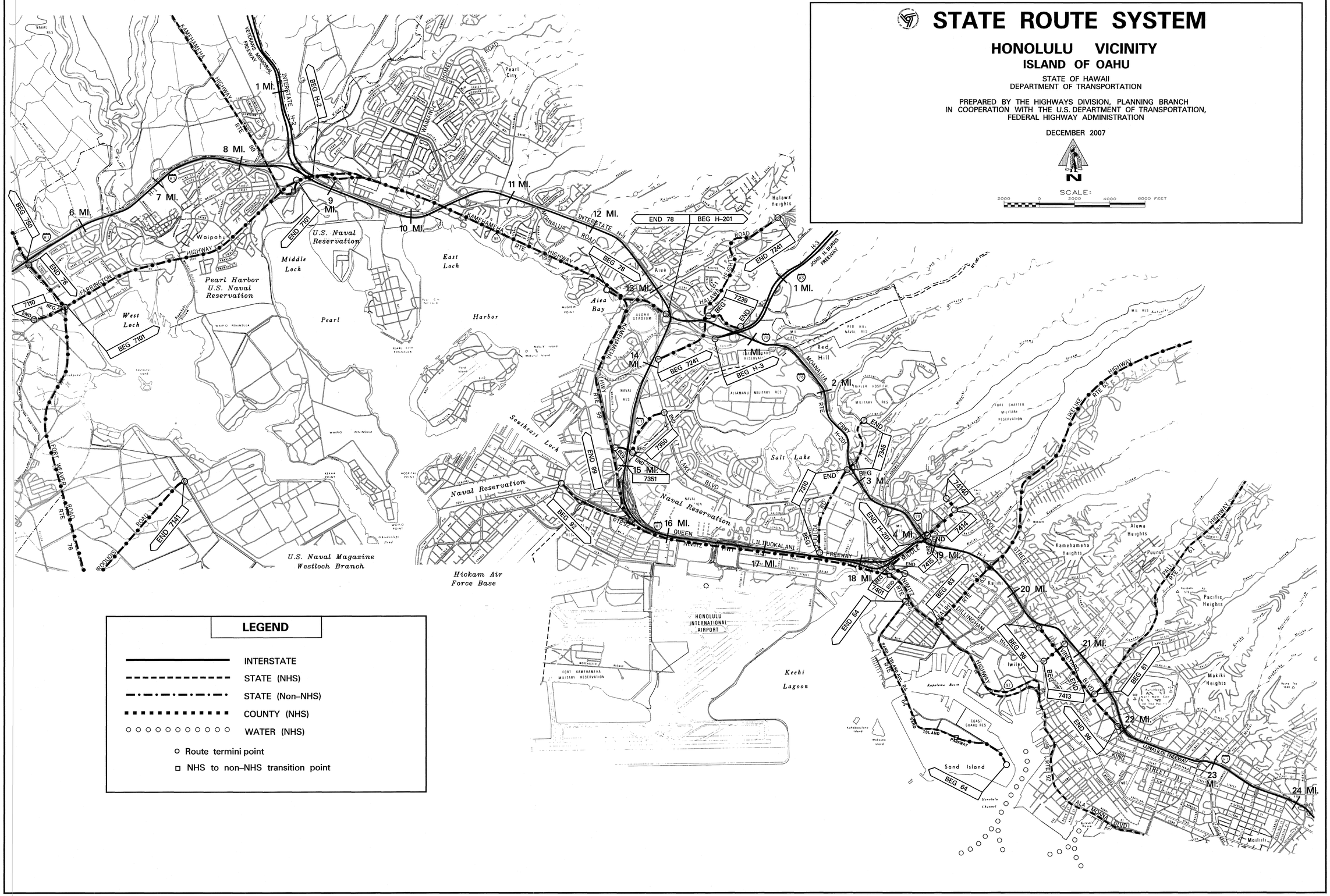
SCALE:
2000 0 2000 4000 6000 FEET



LEGEND

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

Date Released	
Dec 2002	JK
Revised	
Apr. 04	DB
Dec. 05	DB

2

ROAD INVENTORY

OAHU RTE H–1

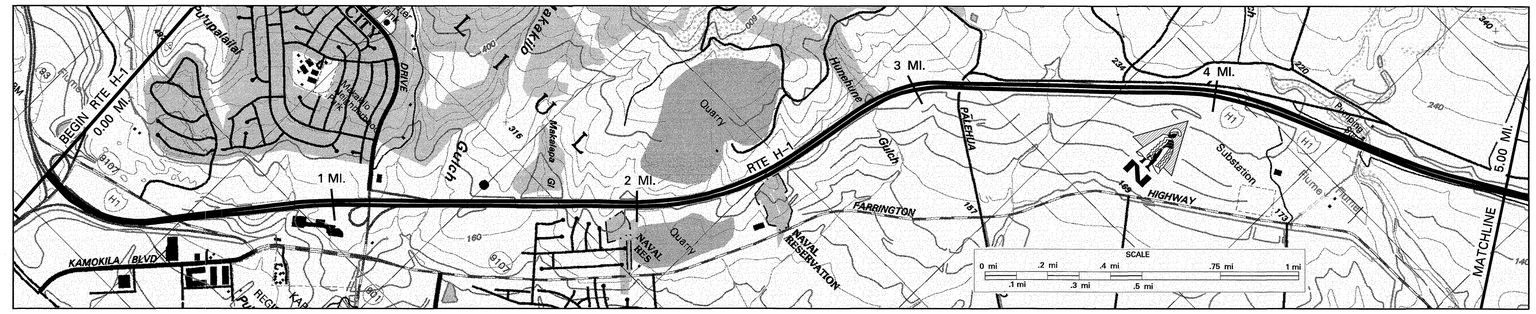
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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: 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 (1.37); 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. (3.16); 99' (3.45); 52' O.B. 52' I.B. (4.51)

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' (0.81); 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: Chain Link Fence (0.09); Chain Link Fence (1.00); Chain Link Fence 50'–100' from E.P. (1.29); 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

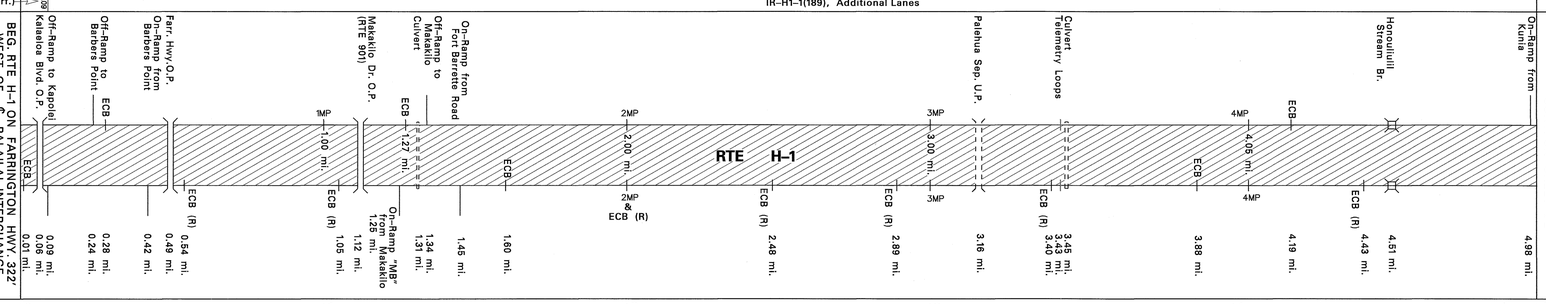
Project No., Type of Construction, and Year Constructed: IM-NH-H1(239), 2004 RECONSTRUCTION (0.44); (H1A-01-02M, 2004 Rehab) (1.06); IM–H1–1(219) 2000 (4.79)

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



SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type: 6'–10' AC; 6'–10' AC/ 6' PCC

Pavement: Width and Type: 24' AC; 36' PCC

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

Divided Highway

Median: Width and Type: 4' Grs.; 12'–14' Sloped Grass; 8'–16' Grass

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

Shoulder: Width and Type: 2'–4' AC

Pavement: Width and Type: 24' AC; 24' PCC; 36' PCC

Shoulder: Width and Type: 4' AC/ 4' Grs.; 10' AC/ 4'–30' Grass; 10' AC; 34' PCC/ 2' AC (median side); 0'–8' PCC/ 6' AC; 36' PCC; 8'–10' AC/ 6'–8' Grass; 8'–10' AC; 34' PCC/ 2'AC(med. side); 0'–4' PCC/ 4' AC; 36' PCC; 8'–10 AC

Number of Traffic Lanes: 2–12'; 2–12'; 3–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): (15'–24' DECEL.); 1–12' Accel.

(Right Side): (2 – 15' ACCEL.); (1 – 15' 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): Conc.

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

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

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

HPMS Section

AADT

DOD Sections: DOD 105; DOD 106; DOD 110

Census Tracts

Functional Classification: Interstate

National Highway System (NHS): NHS

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; I–H1–1(17) Unit 2, 1966; I–H1–1(18) Unit 1, 1966

SCALE: (In Miles) 4" = 1 mile

Date Released	
November 2000	
Revised	
May 02	D.B.
Aug. 04	D.B.
6/06	D.B.

③

ROAD INVENTORY

OAHU RTE H–1

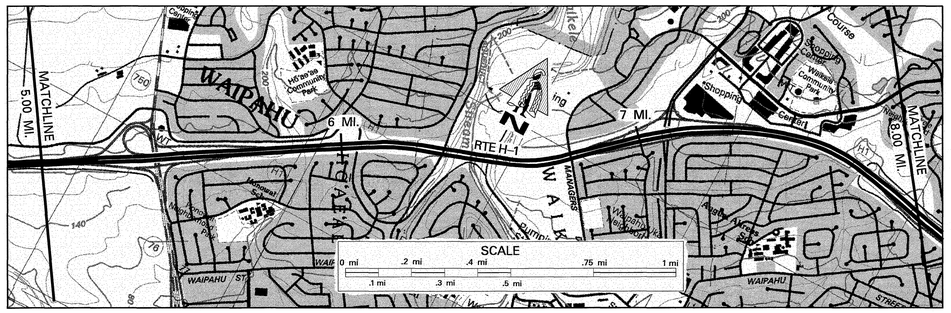
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

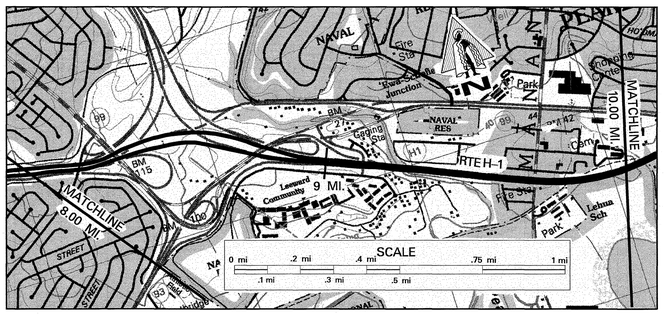
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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. | 5.10 | H1-B (0.44 mi) | 5.54 | 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. | 8.06 | H1-D (1.13 mi.) | 9.19 | 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
	Vertical Clearance
	Horizontal Clearance
Structure Over Road	Vertical Clearance
	Horizontal Clearance

P/CB HS–20 1967 | 164' | 5.37
62' O.B. 50' I.B.
P/CB HS–20 1967 | 104' | 5.95
62'
CBG 1967 || P/CB HS–20 1968 876' I.B. 832' O.B. | 6.34
63'
18'
65'
CBG 1968 | 6.77
18'
76'
TBM HS–20 200' | 7.08
69'
P/CB HS–20 1968 158' | 7.78
69'
CBG 1968 | 8.07
18'
69'
CBG 1968 || OF HS–20 1970 | 8.29
18'
99'
CBG 1971 | 8.68
18'
58'
CBG 1969 || CBG 1969 | 8.77 8.78
18' 18'
58' 32' 31'
CBG 1969 | 9.13
16'–9"
73'
PLCB HS–20 1969 5946' | 9.23
99'

Right of Way Width (min.–max.) if varies: 190' – 280' (5.68); 210' – 365'; 170' – 300'

Available Right of Way Width (Needs Study): 1000' Bushes | 5.16 | Chain Link | 6.05 6.04 | 6.33 | 6.53 | 6.89 6.88 | 7.05 | 7.10 | 0' Residential | 7.78 7.76 | 8.06

Right of Way Fence: Type – Right and Left: (Chain Link 50'–100' from E.P.) | 5.10 | 5.37 Chain Link / Chain Link | Chain Link / Chain Link | Chain Link / Chain Link | Chain Link / Chain Link | Chain Link / Chain Link | Chain Link / 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

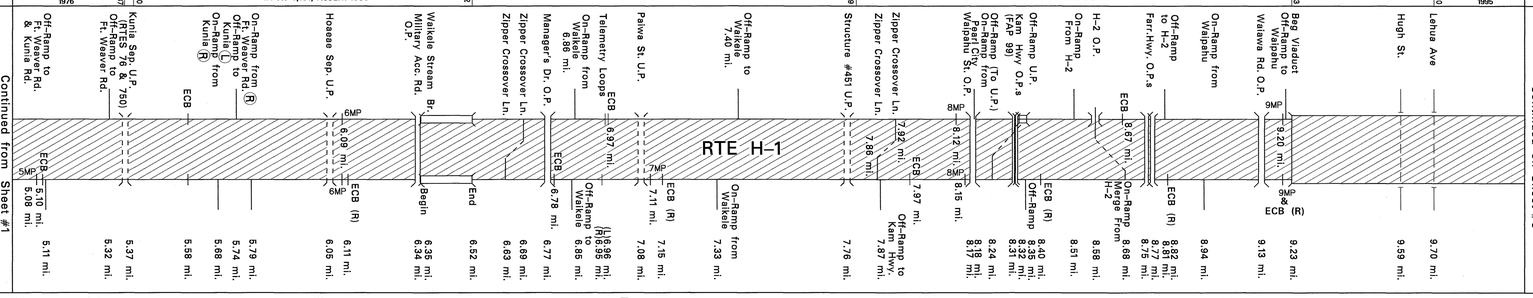
Project No., Type of Construction, and Year Constructed: IR–H1–1(181) Resurf. 1986 (5.88); H1EFG–01–96, Contraflow and Shldr. Lane, 1998

Project No., Type of Construction, and Year Constructed: I–H1–1(108) Safety Imprv. 1976 | 5.37 | 5.40 | IR–H1–1(181) Resurf. 1986 (6.52) | 7.79 | IM–H1–1(224) (R) 1986 | 9.23 | H1-EG-01-95M (R) 1995 | 9.70

Road Diagram

* MP = Milepost Signage

Indicates Grass & / or Physical Barrier on Median.



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 Barriers: LEGEND: Concrete Barrier ——— Zipper Barrier - - - - - M/M Guard Rails ——|——
	Shoulder: Width and Type
	Pavement: Width and Type
	Shoulder: Width and Type

6'–8' AC | 8' PCC (6.35) | 8'–10' AC | 10' PCC (9.23)
36' PCC | 48' AC | 48' PCC | 48' AC | 33' AC | 55' AC | 55' PCC
(Double, 2' Conc. Barr. w/ 6'–20' Gap) 4'–12' AC (Double Conc. Barr. w/ 12' Gap) | 4' PCC | (2' Zip Blocks) (Double Conc. Barr. w/ 12' Gap) 4'–8' AC | (Double Conc. Barr. w/ 10' Gap) 6'–10' AC | 4'–8' AC | 4' PCC
12'–14' Sloped Grass | 4'–20' Grass & Shrubs | 2'–12' Grass & Shrubs | Double Conc. Barr. w/ 12' Gap | 10' Grass & Shrubs | 8' Grass & Shrubs | 6'–2' Grass & Shrubs | 2'–10' Grass & Shrubs | 55'–100' Sloped Grass | 55'–100' Sloped Grass & 102 AC | 12'–6' Grass | 2' Concrete Barrier / 2' Zipper Barrier
2'–6' AC | 2' PCC | 6'–8' AC w/ PCC, 10' Grass, Shrubs | 2'–4' AC | 1'–2' PCC
36' PCC | 24' PCC | 24' AC | 48' AC | 48' PCC (6.35) | 48' PCC (6.62) | 48' AC | 36' AC | 48' AC | 24' AC | 36' AC | 24' AC | 55' AC | 55' PCC
8'–10' AC | 0'–15' PCC | 15'–0' AC | 10' AC | 0'–10' AC | 6' AC / 20' Grass | 6' AC | 10' AC / 2'–20' Grs | 6'–8' AC | 10'–12' AC | 10' PCC

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

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Zipper Lane/Express Lane

Shoulder Lanes

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 Station

HPMS Section

AADT

DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

3–12' | 2–12' | 1–16' Decel | 1–12' Accel | 1–12' Decel | 4–12' | 3–12' | 1–12' Decel | 2–12' Decel | 1–12' Accel | 1–12' Accel | 5–11'
1–14' Decel | Decel | 1–14' Decel | Ramp to Kam Hwy | 1–12' Accel Ramp from H-2 | Ramp to Kam Hwy

Conc | Conc | Conc | High Pressure Sodium Lamps | HPS (Median, 48) | High Pressure Sodium Lamps

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

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

Large Urbanized

Rolling

55 MPH – Minimum 45 MPH (2)

DOD 110 | DOD 115 | DOD 120

Interstate

NHS

I-H1-1(108) Safety Imprv. 1976 | (I-H1-1(18) U-2 1966) | IR–H1–1(181) Resurf. 1986 | IR–H1–1(212) Hwy Lighting 1994 | IR–H1–1(167) Resurf. 1982 | HIE-01-94M Shldr Imprv 1994 | IR-H1-1(206), Ph. 2 & IR-H1-1(193) Additional Lanes 1987/88 | I-H1-1(18) U-2 1966
I-H1-1(18) 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 | 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

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.

ROAD INVENTORY

OAHU RTE H–1

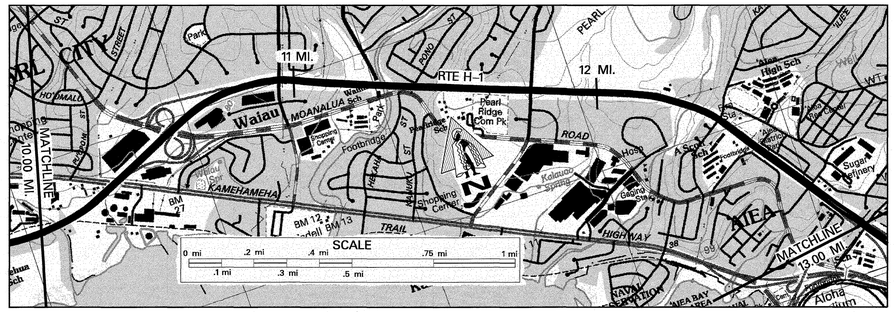
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

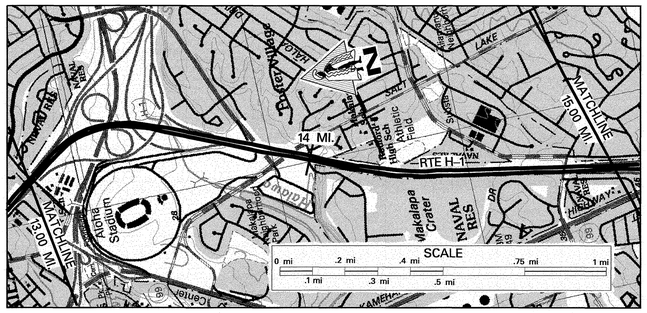
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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) (14.03); H1–G (3.51 mi.)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: CGB HS–20 1970 244' (10.53); 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 (12.86); P/CB HS–20 1970 (13.03); Prestressed Conc. Girder HS–20 1975 116' (13.34), 29' (13.42), (13.49), (13.54), (13.70); Prestressed Conc. HS–20 81'–8" (14.24), (14.65)

Vertical Clearance: 10'–03" (10.53); 10'–32" (10.94); 11'–25" (11.25); 11'–79" (11.79); 12'–31" (12.31); 12'–42" (12.42); 12'–57" (12.57); 12'–79" (12.79); 12'–86" (12.86); 99' (13.03); 13'–34" (13.34); 13'–42" (13.42); 13'–49" (13.49); 13'–54" (13.54); 13'–70" (13.70); 14'–24" (14.24); 14'–65" (14.65)

Horizontal Clearance: 99' (10.53); 163' (11.25); 33' (12.31); 33' (12.86)

Structure Over Road

Vertical Clearance: 18' (10.94); 17'–04" (11.79); 18' (12.42); 17' (12.57); 17'–04" (12.79); 18' (13.03); 18' (13.34); 18' (14.65)

Horizontal Clearance: 83' (10.94); 70' (11.79); 69' (12.42); 75' (12.57); 76' (12.79); 99' (13.03); 150' (13.34); 150' (13.42); 154' (14.65)

Right of Way Width (min.–max.) if varies: 170' – 300' (10.32); 172' – 240' (10.94); 250' – 350' (12.86); 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. (10.94); Chain Link 50'–100' from E.P. (12.86)

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)

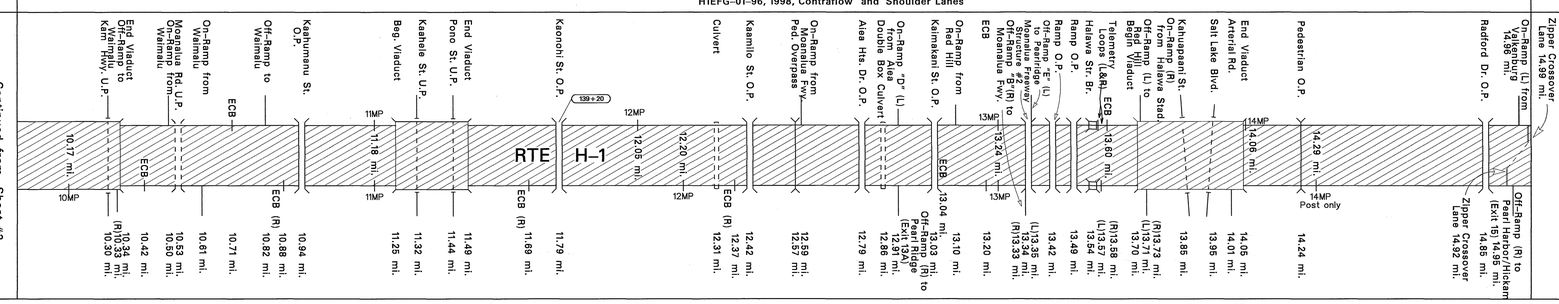
Project No., Type of Construction, and Year Constructed: I–H3–1(75), Unit VIII, H–1 Roadway Widening (Westbound Lanes only), 2006; NH–H1–1(246), Zipper Lane Extension, 2006

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



SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided — Shoulder: Width and Type: 10' PCC; 4'–6' AC (10.86); 12' PCC (11.70); 4'–12' PCC (12.84); 6'–12' AC (13.70); 6'–8' PCC (14.05); 6'–8' AC

Undivided — Pavement: Width and Type: 55' PCC; 55' PCC (Outer Lane includes AC Pav't) (10.78); 60' 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 (14.95); (48' AC)

Undivided — Shoulder: Width and Type: 4' PCC; 12' PCC (11.77); 11' PCC (12.42); 6'–7' PCC; 6'–7' AC (13.24); 10' AC (13.44); 4'–6' AC; 6'–8' PCC; 8'–10' AC

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

Undivided — Median Barrier: LEGEND: Concrete Barrier ——— Zipper Barrier - - - - - M/M Guard Rails ├──┤

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

Undivided — Pavement: Width and Type: 55' PCC; 55' AC; 55' PCC; 55' AC; 55' PCC; 55' AC; 66' PCC (12.84); 66' AC (12.92); 44' AC (13.08); 48' AC; 60' PCC; 60' AC; 48' AC (14.65)

Undivided — Shoulder: Width and Type: 10' PCC; 4'–10' AC (10.78); 10' AC; 10' PCC; 10' AC; 10' PCC; 4' AC; 12'–14' AC; 10' PCC; 10'–12' AC

Number of Traffic Lanes: 5–11' (10.78); 5–12' (10.86); 6–12'; 5–11'; 2–12', 4–11' (12.39); 12.74; 2–12', 5–11'; 12.92; 7–11'; 4–12'; 5–12'; 5–12'; (4–12'); (4–12')

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 6–11'; 4–11'; 4–12'; 5–12'

(Right Side): 96' Accel (10.32); 10.49; 15' Decel (10.81); 11.10; 1 – 12' Accel (12.46); 1 – 12' Accel (12.92); 1 – 12' Accel (13.44); 1 – 12' Accel (14.80); 2 – 12' Accel (14.95); 12' Decel (10.32); 2 – 12' Accel (10.49); 1 – 12' Accel (10.81); 11.14; 1 – 12' Decel (13.24); 2 – 12' Accel (13.44); 1 – 12' Decel (14.67); 14.95

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 (10.32); 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

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 Station

HPMS Section

AADT

DOD Sections: DOD 120; 10.94; DOD 125; 14.05; DOD 130

Census Tracts

Functional Classification: Interstate

National Highway System (NHS): NHS

Previous Projects: Project No., Date and Limits: H1–EG–01–95M(R) 1995 (10.32); I–H3–1(75), Unit 2, 1998, H–3 Finish (11.68); IM–H1–1(227), (R), 1997 (13.44); H1E–01–94M, 1994, (Add Lanes); IR–H1–1(193), 1987, (Add Lanes); IR–H1–1 (207), 1989 (12.47); IR–H1–1(206), Ph.2, 1986, (Add Lanes) (11.03); H1E–01–80M, 1980, (Resurface); I–H1–1 (43):10, 1970 (10.33); I–H1–1(66):10 and I–H1–1(67):10, 1971; I–H1–1(77):13 1971 (12.74); (12.84); (13.02); I–H1–1 (83):13 1975 (13.38); I–H1–1(91):13 1976 (13.70); I–H1–1(104):13 1976 (13.70); (I–H1–1(71,03,125):14 1976); I–H1–1(135):14 Resurface, 1982 (14.40); (14.54); (14.64); I–H1–1(111):14 1976; I–H1–1 (68):10, 1970 (10.05); I–H1–1(65):10, 1970; I–H1–1(63):11 1970 (11.27); (11.55); I–H1–1(64):12 Unit 1; I–H1–1(64) Unit 2 (12.84); (12.89); (13.35); (13.44); IR–H1–1(196)(R) 1986; 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.

ROAD INVENTORY

OAHU RTE H–1

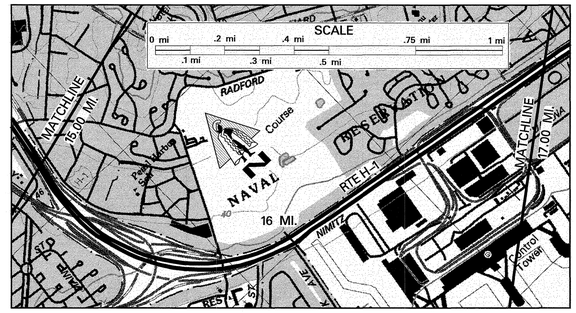
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

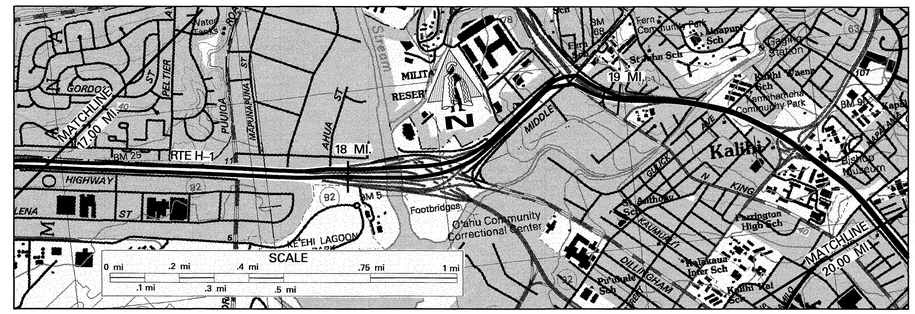
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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–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

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

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

Right of Way Fence: Type – Right and Left: (Conc. Retaining Wall); Chain Link 20'–30' from E.P.; Chain Link 30' from E.P.; Chain Link 15'–20' from E.P.; Chain Link 40' 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; DPI-0203(1) Resurfacing, 2005; H1H–01–00M Rehab, 2005; I–H1–1(187), O.B. Impr 1985; IM–H1–1(220) Pavement Rehab, 1996

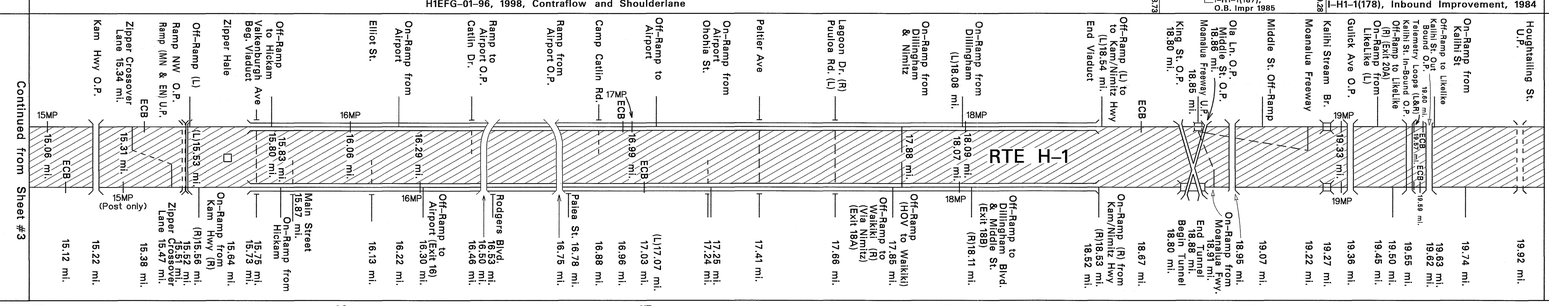
Project No., Type of Construction, and Year Constructed: NH–H1–1(246), Zipper Lane Extension, 2006; I–H1–1(187), O.B. Impr 1985

Project No., Type of Construction, and Year Constructed: H1EFG–01–96, 1998, Contraflow and Shoulderlane; I–H1–1(178), Inbound Improvement, 1984

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

Divided Highway

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

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.))

Shoulder Lanes

HOV Lanes/Contraflow Lanes

Area and Development: Large Urbanized

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

HPMS Section

AADT

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

Census Tracts

Functional Classification: Interstate

National Highway System (NHS): NHS

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 4" = 1 mile

Date Released
November 2000

Revised	
May 02	D.B.
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ROAD INVENTORY

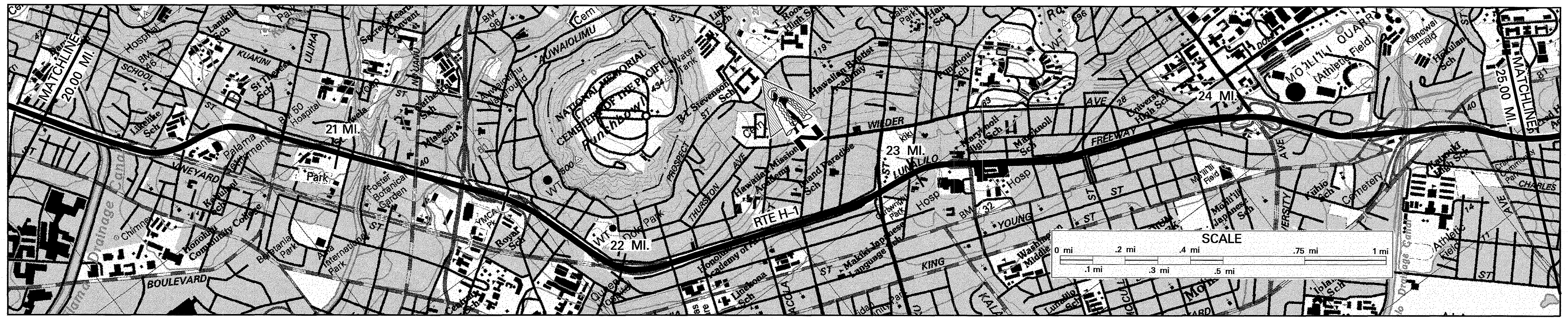
OAHU RTE H-1

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

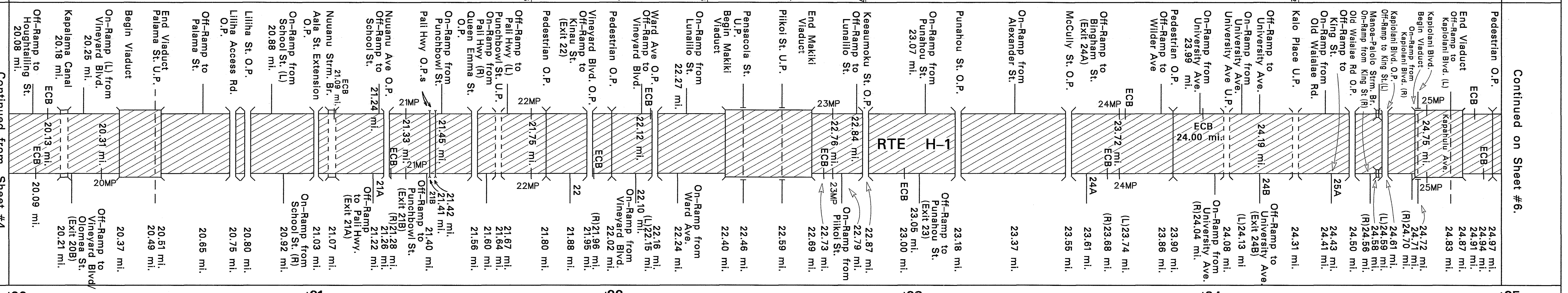
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

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 — 20, 21, 22, 23, 24, 25

Maintenance Control Sections: Length and Description	H1-I (5.25 mi.); End H1-I, Beg. H1-J at Kapiolani IC (Old Waialae Rd.) 24.50; H1-J (0.42 mi.); 24.87 H1-K (2.29 mi); (End H1-J, Beg. H1-K 200' East of Kapahulu Ave.)
Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed (Note: All Structures are HS 20)	P/CB 1965 130' (20.24); CBG 1965 610' (20.40); Slab 1963 (20.78); Slab 1965 (20.83); Slab 1964 (21.08); Slab 1964 91' (21.10); CBG 1961 (21.26); CBG 1960 (21.41, 21.42); SLAB 1961 (21.56); SLAB 1960 36' (21.64); Ped 1960 44' (21.80); CBG 1969 (21.95); Ped 1969 (22.02); P/CB 1968 (22.16); CBG 1969 1526' (22.40); P/CB 1960 (22.87); SLAB 1955 (23.18); SMS 1956 (23.55); SMS 1956 (23.90); TMB 1953 120' (24.12); TMB 1953 44' (24.31); CBG 1967 (24.50); P/CB 1967 117' (24.55); CBG 1969 (24.61); CBG 1967 880' (24.71); CBG 1965 (24.97)
Vertical Clearance	
Horizontal Clearance	99'; 88'; 88'; 99'; 95'; 88'; 86'; 40'; 99'
Structure Over Road — Vertical Clearance	42'; 42'; 49'; 62'; 59'; 68'; 47'; 51'; 47'; 54'; 72'; 49'; 49'; 46'; 47'; 53'; 54'; 68'
Horizontal Clearance	16'-2"; 17'-2"; 15'; 16'; 18'; 18'; 17'-9"; 18'; 17'-8"; 18'; 18'; 16'-8"; 16'; 15'-11"; 16'-5"; 16'-7"; 18'; 16'-11"
Right of Way Width (min.-max.) if varies	150' - 230' (to 20.77); 120' - 240' (to 21.26); 140' - 300' (to 22.40); 140' - 275' (to 23.06); 130' - 160' (to 23.35); 110' (to 24.02); 165' - 260' (to 24.10); 150' - 240'
Available Right of Way Width (Needs Study)	0' Residential/Commercial
Right of Way Fence: Type - Right and Left	Chain Link 15'-20' from E.P. (to 20.55); 20.64 (ChainLink 30'-50' from E.P.) (ChainLink 30' from E.P.) 21.79; 20.60 ChainLink 30'-50' from E.P. 20.93; 21.05 ChainLink 30'-50' from E.P. 21.36; 21.62; 21.86; 22.77 Chain Link 15'-30' from E.P. 24.04; Chain Link 8'-30' from E.P. 24.02; 24.92 (Chain Link 20'-30' 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-H1-1(234) (R), 2000 (21.75 – 24.88)
Project No., Type of Construction, and Year Constructed	IM-H1-1(220), Pavement Rehab, 1996 (to 21.75); I-H1-1(31):21 Unit 1, 1969 (21.75 – 22.34); I-H1-1(31):21 Unit 2, 1969 (22.34 – 22.87); I-H1-1(60):23 Shoulder Imprv., 1977 (22.87 – 24.32); IR-H1-1(184) Safety Imprv., 1979 (24.32 –)



▨ Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP=Milepost Signage

SCALE: (In Miles) 4" = 1 mile — 20, 21, 22, 23, 24, 25

Divided Highway — Undivided — Shoulder: Width and Type	4'-8' AC (to 22.12); 2' AC (22.12 – 22.40); 6' PCC (22.40 – 22.69); 2'-4' AC (22.69 – 23.07); 1'-4' PCC (23.07 – 23.37); 8' - 10' AC (23.37 – 23.86); 0'-8' AC (23.86 – 24.71); 4'-6' PCC (24.71 – 24.83); 9' PCC (24.83 –)
Pavement: Width and Type	48' AC (to 20.25); 36' AC (20.25 –); 48' AC; 22.27 36' AC; 36' PCC; 36' AC; 22.84 44' AC; 36' AC; 44' AC; 23.99 36' AC; 36' PCC; 60' PCC
Shoulder: Width and Type	5' AC; 5' PCC; 6'-10' AC; 4'-6' PCC
Median: Width and Type	2' Concrete Barrier
Median Barrier (LEGEND: Concrete Barrier ——— Zipper Barrier - - - - M/M Guard Rails ├──┤)	
Shoulder: Width and Type	5' AC; 5' PCC; 5' AC; 5'-10' PCC
Pavement: Width and Type	48' AC (to 20.21); 36' AC; 44' AC (to 21.86); 36' AC (to 22.10); 48' AC (to 22.22); 36' AC; 36' PCC; 36' AC (to 22.81); 44' AC (to 23.05); 36' AC; 48' PCC
Shoulder: Width and Type	8' AC (to .25); 20.36 2'-10' AC 20.91; 6' AC (to 21.60); 0'-10' AC (.12, .20, .27); 22.40 4' PCC 22.69; 2'-8' AC (.84 – 23.07); 3' PCC (23.07 – 23.27); 6'-10' AC (.86, .99); 24.04 0'-8' AC 24.71; 6'-14' PCC
Number of Traffic Lanes	4-12'; 3-12'; 5-12'; 4-12'; 3-12'; 4-11'; 3-12'; 4-11'; 3-12'; .83 5-12'
	4-12' (to .21); 3-12'; 4-11'; 3-12' .10; 4-12' .22; 3-12'; .81 4-11' .05; 3-12'; 4-12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	21.37 1-12' Accel 21.45; 22.12 1-12' Decel; 1-12' Accel 22.36; 23.25 1-12' Accel 23.37; 23.86 1-11' Decel 1-11' Accel 24.05 (23.96); 24.19 1-12' Decel 24.24; 24.31 1-12' Accel 24.38; .71
(Right Side)	.16 Decel .21; 20.92 1-12' Accel 21.00; 21.13 1-12' Decel 21.22; 22.10 2-12' Accel; 22.27 2-12' Accel; 1-12' Accel 22.47; 1-12' Accel 22.40; 24.06 1-12' Accel; 1-12' Decel 24.11; 24.40 1-12' Decel 24.47; 24.58 1-12' Accel 24.70; 2-12' Accel 24.74 24.81; 1-12' Accel 24.93
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)	20.03, 20.16, 20.18, 20.20, 20.23, 20.30, 20.62, 20.63, 20.74, 20.75, 20.79, 20.81, 20.85, 21.04, 21.06, 21.10, 21.11, 21.23, 21.24, 21.25, 21.29, 21.39, 21.42, 21.43, 21.44, 21.46, 21.52, 21.62, 21.63, 21.66, 21.75, 21.95, 22.00, 22.35, 22.77, 22.82, 23.08, 23.26, 24.04, 24.08, 24.10, 24.12, 24.20, 24.29, 24.30, 24.40, 24.48, 24.50, 24.55, 24.59 3; 3 1 3; 3; 1; 2 3 2 3; 2; 3 1 3; 2; 3 2 3; 2 3 2 3; 3 4 3; 2; 3; 2; 4; 1; 2; 1; 3 5 3; 3 1 3; 2 3; 3 3; 3 1; 1 3; 2; 3 2 3 2; 3 2 3 1; 2; 3; 3 2; 3 2; 3 1; 3 4 3 1; 2; 1; 3 2; 3 2; 3 1 3; 4; 1; 2; 1; 3; 5; 3; 1 3; 1; 3 2 3; 3 20.04, 20.13, 20.19, 20.21, 20.25, 20.26, 20.64, 20.70, 20.74, 20.75, 20.76, 20.80, 20.82, 21.01, 21.03, 21.05, 21.06, 21.07, 21.10, 21.26, 21.29, 21.37, 21.40, 21.42, 21.45, 21.46, 21.50, 21.52, 21.56, 21.60, 21.64, 21.66, 21.70, 21.76, 21.86, 21.87, 21.93, 21.96, 22.04, 22.13, 22.14, 22.21, 22.24, 22.29, 22.32, 22.37, 22.85, 23.06, 23.08, 23.28, 23.92, 24.10, 24.12, 24.29, 24.30, 24.40, 24.44, 24.46, 24.48, 24.50, 24.53, 24.57
Illumination: Type, Location and Number	High Pressure Sodium Lamps
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
Terrain: 1-Flat, 2-Rolling, 3-Mountainous	Rolling
Speed: 1-Design, 2-Posted	50 MPH ②; 23.72 45 MPH ② (to 24.03); 45 MPH ② (24.03 – 24.49); 50 MPH ②
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Station	
HPMS Section	
AADT	
DOD Sections	DOD 155 (to 20.70); DOD 160 (to 21.59); DOD 165 (to 22.80); DOD 170 (to 24.19); DOD 175
Census Tracts	
Functional Classification	Interstate
National Highway System (NHS)	NHS
Previous Projects: Project No., Date and Limits	IR-H1-1(198)(R.) 1986 (to 21.41); 21.46 I-H1-1(60):23 Resurf, 1979 24.71
	IR-H1-1(153):19, Resurf, 1979 (to 21.64); I-H1-1(31):21, Unit 1, 1969 (21.64 – 22.32); 24.32 IR-H1-1(184) Safety Imprv., 1985
	H1-H1-01-71, Resurf, 1971 (to 21.62); I-H1-1(31):21, U2, 1969 (21.62 – 22.97)
	I-H1-1(34):20, 1966 (to 21.10); I-H1-1(24):21, 1966 (21.10 – 21.42); I-H1-1(27):21, 1967; 22.87 U-59(6), Unit 2 1955; F-59(4), Unit 1, 1954 (to 23.85); U-59(3), 1954 (to 24.45); I-H1-1(5):24, U-2, 1967 (to 24.85); I-H1-1(4):24, 1965

SCALE: (In Miles) 4" = 1 mile — 20, 21, 22, 23, 24, 25

Date Released	
November 2000	
Revised	
May 02	D.B.
Aug 04	D.B.
6/06	D.B.
3/07	D.B.

ROAD INVENTORY

OAHU RTE H–1

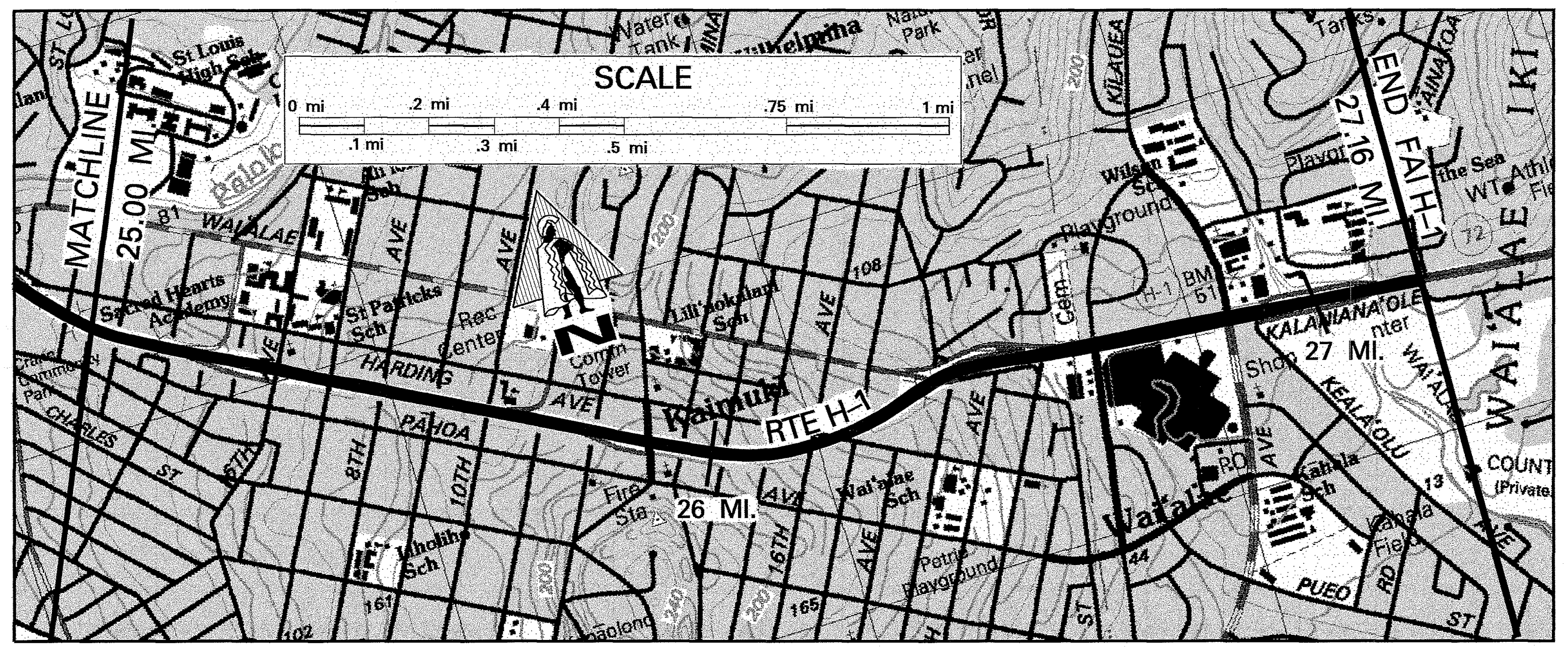
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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 (–)

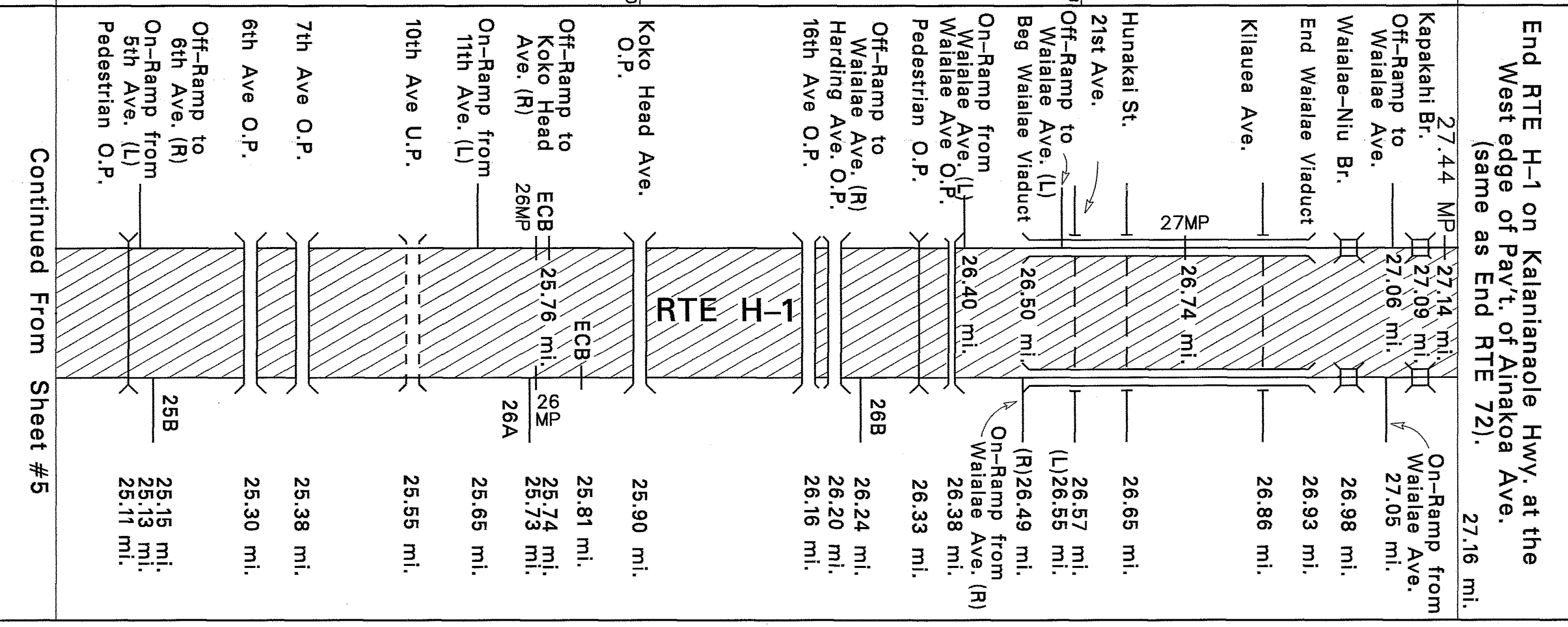
NEEDS STUDY ROUTE NO. ______ FUNCTIONAL CLASSIFICATION ______



SCALE: (In Miles) 4" = 1 mile	25 – 26 – 27 – 28 – 29 – 30
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 (25.11); 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 (26.36); CBG 1967 (26.38); PCTB 1969 2161' (26.50); Slab 1968 55' (26.98); P/CB 1969 49' (27.09)
Vertical Clearance	
Horizontal Clearance	99' (25.55); 47' (26.50); 99' (26.98); 99' (27.09)
Structure Over Road – Vertical Clearance	60' (25.11); 61' (25.30); 60' (25.38); 50' (25.90); 50' (26.16); 50' (26.20); 50' (26.36); 50' (26.38)
Horizontal Clearance	17' (25.11); 17'–2" (25.30); 16'–6" (25.38); 18' (25.90); 16'–10" (26.16); 17'–5" (26.20); 16'–7" (26.36); 16'–7" (26.38)
Right of Way Width (min.–max.) if varies	150' – 240'; 26.66; 120' – 300'
Available Right of Way Width (Needs Study)	0' Residential/Commercial
Right of Way Fence: Type – Right and Left	Chain Link 20'–30' from E.P. (to 25.53); 25.80 Stone Wall 20' from E.P. (to 26.12 / 26.17); (Wall 20' from E.P.); (Stone Wall 15' from E.P.) → 25.80 Stone Wall 20' from E.P. (to 26.12 / 26.17); (Wall 20' from E.P.); (Stone Wall 15' from E.P.) →
Control of Access: 1–None, 2–Partial, 3–Full	Full; 26.35; 27.03
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	IR–H1–1(184), Safety Imprv., 1985; 25.90; IR–H1–1(197), Safety Imprv., 1986; 26.58; IR–H1–1(184), Safety Imprv., 1985

Road Diagram

* MP=Milepost Signage



▨ Indicates Grass & / or Physical Barrier on Median.

SCALE: (In Miles) 4" = 1 mile	25 – 26 – 27 – 28 – 29 – 30
Divided Highway – Undivided – Shoulder: Width and Type	9' PCC; 26.21; 2'–4' AC; 26.36; 9' PCC; 26.93; 2'–6' AC
Pavement: Width and Type	60' PCC; 25.13; 48' PCC; 25.65; 36' PCC; 36' AC
Shoulder: Width and Type	5' PCC; 26.50; 3' PCC; 5'–10' AC; 27.09; 0'
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 ├──┤	27.07
Shoulder: Width and Type	4'–6' PCC; 26.89; 8' AC; 27.07; 0'
Pavement: Width and Type	48' PCC; 25.73; 36' PCC; 36' AC
Shoulder: Width and Type	25.13; 25.65; 9' PCC; 26.93; 0'–6' AC
Number of Traffic Lanes	5–12'; 4–12'; 3–12' 4–12'; 3–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	25.73; 26.24 1–12' Accel 26.40; 26.98 1–12' Accel
(Right Side)	26.21 26.22 1–12' Decel; 26.49 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	LL: 25.01; 3; 25.07 2; 3; 25.22; 25.27 2; 3; 25.32 2; 25.35 25.36 3; 25.40 2; 25.44 3; 25.52 4; 25.66 3; 25.80 2; 25.88 6; 26.01; 26.13 2; 26.17 6; 26.33 2; 26.41 3; 26.46 4; 27.02 RR: 3; 25.14; 25.26 3; 25.28 2; 25.29 3; 25.36 2; 25.37 3; 25.55 4; 25.63 3; 25.73; 25.86 3; 25.88 2; 25.89 6; 26.06 3; 26.14 2; 26.15 6; 26.18 2; 26.20; 26.28 6; 26.36 2; 26.45 3; 26.47; 26.50 4; 27.07 2
Illumination: Type, Location and Number	High Pressure Sodium Lamps; 27.01
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
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Rolling
Speed: 1–Design, 2–Posted	45MPH ②; 25.09; 50 MPH ②; 27.00 50 MPH ②; 26.84; 35 MPH ②
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Station	
HPMS Section	
AADT	
DOD Sections	DOD 175
Census Tracts	
Functional Classification	Interstate
National Highway System (NHS)	NHS
Previous Projects: Project No., Date and Limits	
	IR–H1–1(184) Safety Imprv., 1985
	25.80; I–H1–1(6):25, U–3, 1968; 26.52
	I–H1–1(4):24, 1965; I–H1–1(6):25, U–1, 1968; I–H1–1(6):25, 1969
SCALE: (In Miles) 4" = 1 mile	25 – 26 – 27 – 28 – 29 – 30

Date Released	
November 2000	
Revised	
Aug. 04	*D.B.*
6/06	*D.B.*

ROAD INVENTORY

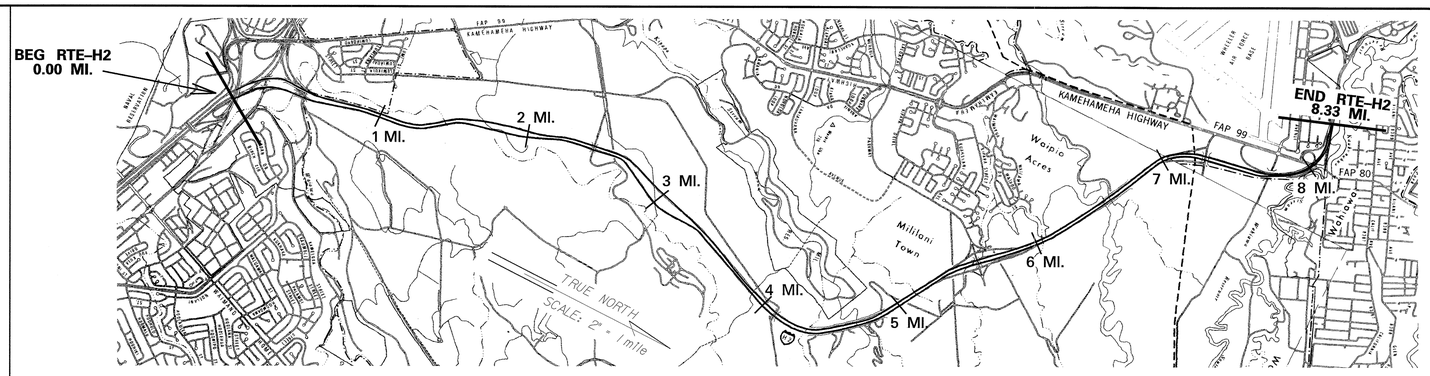
OAHU ROUTE H2

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' 218' 1976; 194' 294'

Vertical Clearance

Horizontal Clearance: 114'-10"; 40'-10"; 52'-10" 40'-8"; 60' 41'-6"

Structure Over Road — Vertical Clearance: 16'-6"; 16'-10"; 17'-4"; 17'-4"

Horizontal Clearance

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: FULL

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE; (IM-H2-1(29), 1998, (On-Off Ramps))

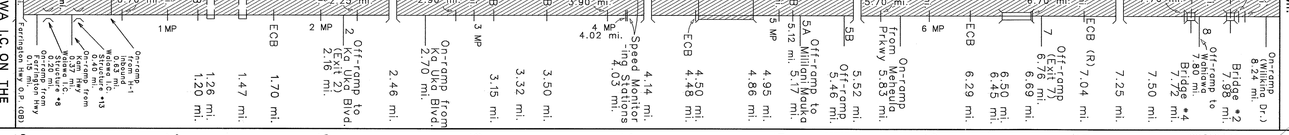
Project No., Type of Construction, and Year Constructed: IM-H1-1(224) (R), 1998; IR-H2-1(27), Phase 2, HOV lanes, 1994

Project No., Type of Construction, and Year Constructed: I-H1-1(46):8, 1975; IR-H2-1(26), Phase 1, HOV lanes, 1994; IR-H2-1(24), Imprv., 1991

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage



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' 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 | 33' PCC | 24' PCC

Shoulder: Width and Type: 1' AC | 10' PCC | 6' - 12' AC | 6' PCC | 1' PCC | 6' PCC | 10' PCC | 10' AC | 10' PCC | 2' AC | 10' PCC | 4' AC & 2' Gravel | 6' PCC | 4' AC | 4' AC | 10' AC | 0

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 | 4.41' Grating | 32' Dirt w/6' AC Gutter & M/M Guard Rails (25' Conc Barrier) | 32' Dirt w/6' AC Gutter | 15' Grass | 8' GRS | 7.98' | 8.13' | 8.23' — Chainlink Fence/ 16' AC, 16' Grass

Shoulder: Width and Type: 4' AC | (4' PCC w/ Conc. Barr.) 9' AC | 15' AC | 6' PCC | 1' PCC | 6' PCC | 15' PCC | 15' AC | 10' PCC | 10' PCC | 2' AC | (44' PCC) 10' PCC | 4' AC | 6' PCC | 4' AC | 4' AC | 10' AC | 0

Pavement: Width and Type: 24' AC | 24' PCC | 36' PCC | 48' PCC | 50' PCC | 48' PCC | 44' PCC | 50' PCC | 48' PCC | 44' PCC | 44' AC | 48' PCC | 36' PCC | (TAPER: 36' - 24') | 24' PCC | (6' PCC) | (10' PCC)

Shoulder: Width and Type: 10' AC | 8' AC | 10' AC | (3-12', 1-14' HOV) | 10' PCC | 10' 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): 2-12'; 3-12'; 3-12', 1-14' HOV; 4-12'; 4-11'; 4-12'; 3-12', 1-14' HOV; 4-12'; 4-11'; 4-12'; 5.20'; 3-11'; 5.47'; 2-12'; 3-12'; 6.37'; 2-12'

(Right Side): 1-12' Decel; 1-12' Accel; 1-12' Decel; 1-12' Accel; 2-12' Accel; 1-12' Accel; 1-12' Decel; 1-12' Accel; (3-2)-12'; 1-12' Accel; 1-12' Accel

12' Accel Lanes; 1-12' Decel; 1-12' Accel; 1-12' Decel; 1-12' 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)

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

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 Station

HPMS Section

AADT

DOD Sections: DOD 435; DOD 440

Census Tracts

Functional Classification: INTERSTATE

National Highway System (NHS): NHS

Previous Projects: Project No., Date and Limits: IR-H2-1(27), Phase 2, HOV lanes, 1994; I-H1-1(46):8 1975; STA 429+69; I-H2-1(12):0 1975; STA 248+00; STA 248+10; I-H2-1(9):4 KIPAPA BR.; STA 225+21; STA 223+00; TRANSISTIONS COVERED BY ADJACENT PROJECTS; I-H2-1(7):4, PH 1, 1976; STA 141+00; STA 138+95; STA 128+95; STA 88+00; I-H2-1(10):6, 1976 WAIKAKAKAUA BR.; I-H2-1(8):6, PH 1 1976; I-H2-1(11):7, PH 1 1976; 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.

ROAD INVENTORY

OAHU RTE – H3

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

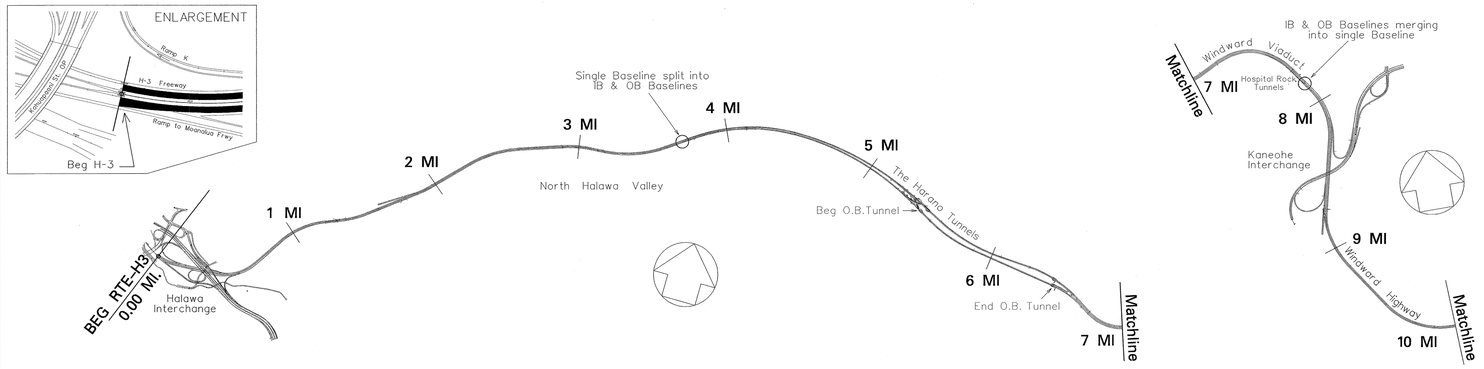
Total Route Length: 15.32 miles

a. Survey Length: 15.32 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed

Structure Over Road — Vertical Clearance / Horizontal Clearance

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

Available Right of Way Width (Needs Study)

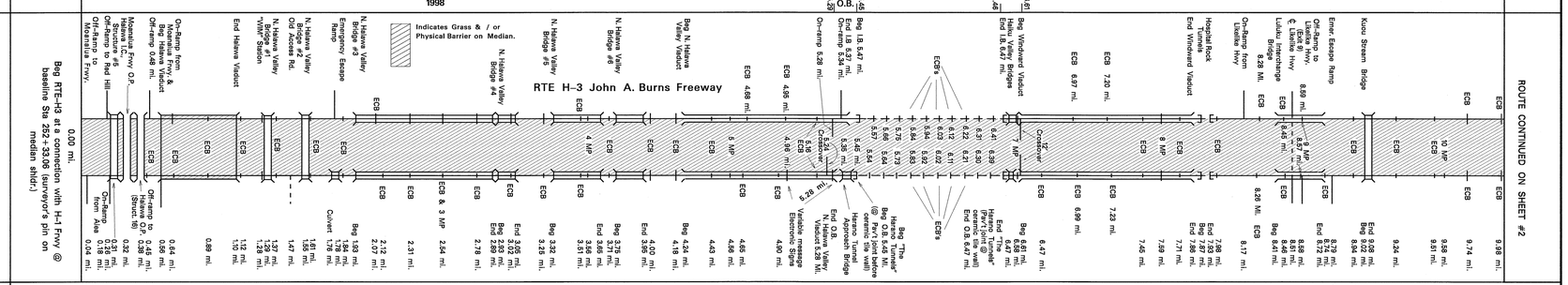
Right of Way Fence: Type – Right and Left

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



Road Diagram

* MP=Milepost Signage

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Median: Width and Type

Median Barriers:

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:

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

Speed: 1–Design, 2–Posted

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

HPMS Section

AADT

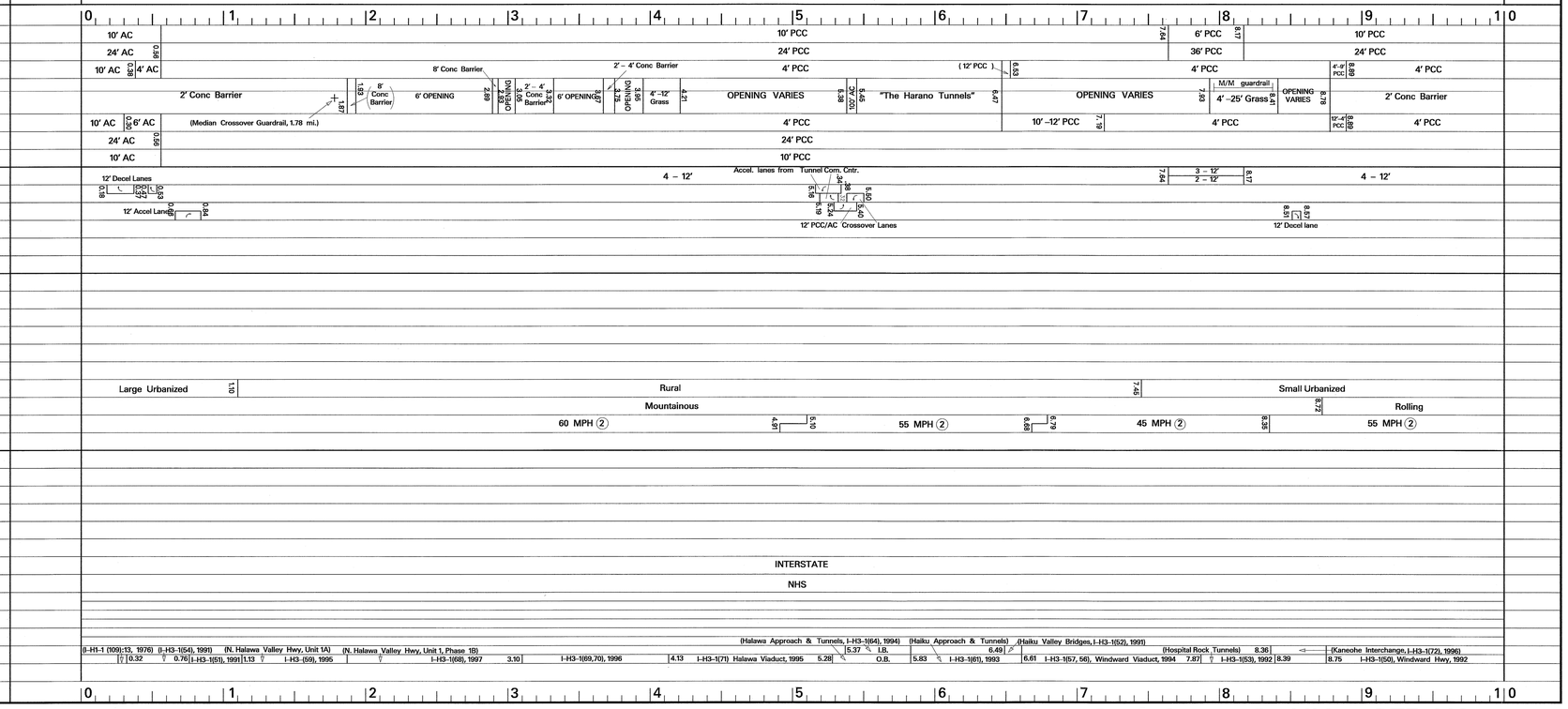
DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits



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.

ROAD INVENTORY

OAHU RTE – H3

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

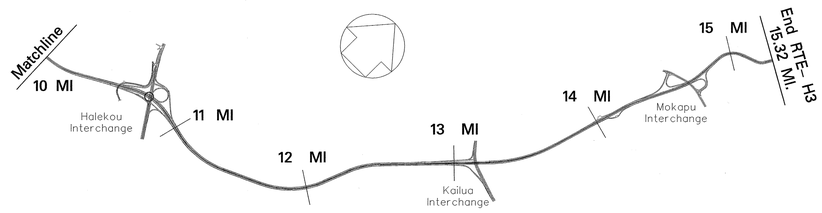
Total Route Length: 15.32 **miles**

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

post-tensioned box Girder, HS-20, 1984 (?, 210') | 205' Prestr. Cont. Conc. Girder, HS-20, 1977 | 147' Prestr. Cont. Conc. Girder, HS-20, 1977 (144', 147') | 169' Concrete Box, HS-20, 1971 (172') | ? Cont. Conc. Box Girder, HS-20, 1967 (151', 43') | Culvert, HS-20, 1967

Vertical Clearance

Horizontal Clearance

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

Structure over Road

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 (490+04 – 745+17.05)

Project No., Type of Construction, and Year Constructed

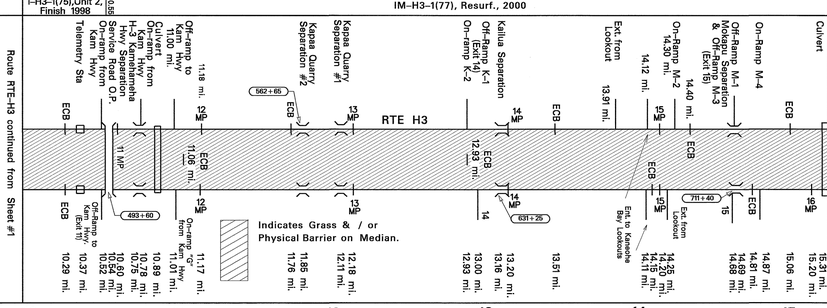
IM-H3-1(80), Resurface, 2007

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



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'-8' PCC Taper, 4' PCC | 8' PCC | 8' AC | 4' AC | 2' Conc Barrier | 9' AC

Median: Width and Type

2' Conc Barrier | 4%(V) – 2V / .02 – 2:1 | M/M | 32' Grass w/ 6' Conc Gutter | M/M | 32' Grass | 2' Conc Barrier w/Glare Screen

Median Barriers:

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

(Right Side)

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

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

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 Station

HPMS Section

AADT

DOD Sections

Census Tracts

Functional Classification

Interstate

National Highway System (NHS)

NHS

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 | I-H3-1(24):11, 1988 (Windward Hwy.) | 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

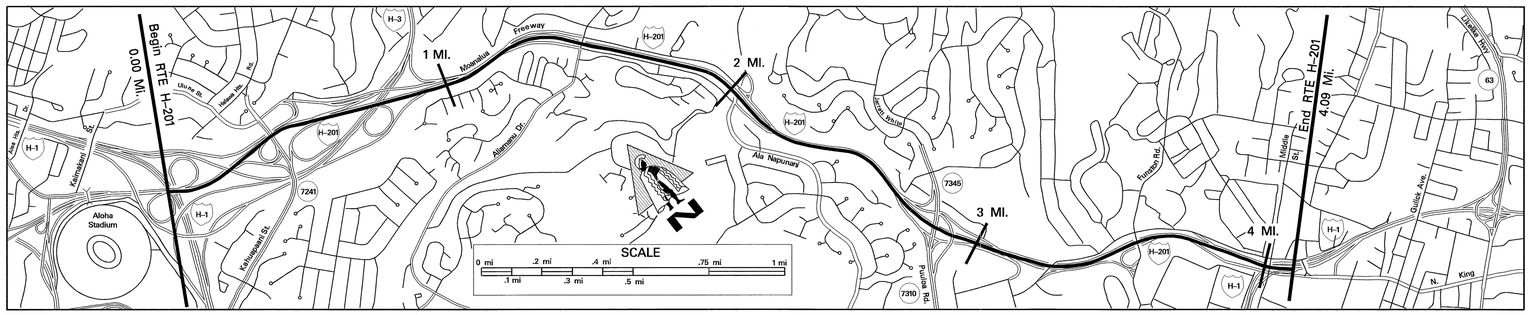
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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.

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 — 62'
Culvert HS 20 1960
RC Box Gdr. HS 20, 1964

Vertical Clearance

P/S & RC Box Gdr 1974, HS 20

Horizontal Clearance

116' — 118' — 130' — 28' — 28'

Structure Over Road

Vertical Clearance

19' 8" — 17' 10" — 17' 3" — 16' 6" — 18' — 17' 7"

Horizontal Clearance

64' — 68' — 52' — 40' — 52' — 33' — Inb. 36', 36' 6" — Outb. 36', 38'

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

8' FP, CL – 40' FP — 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)

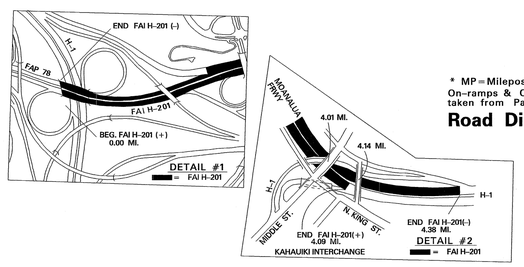
State

Project No., Type of Construction, and Year Constructed

STA 0.00 — DPI–0203(1), Resurface 2005 — STA 12+35

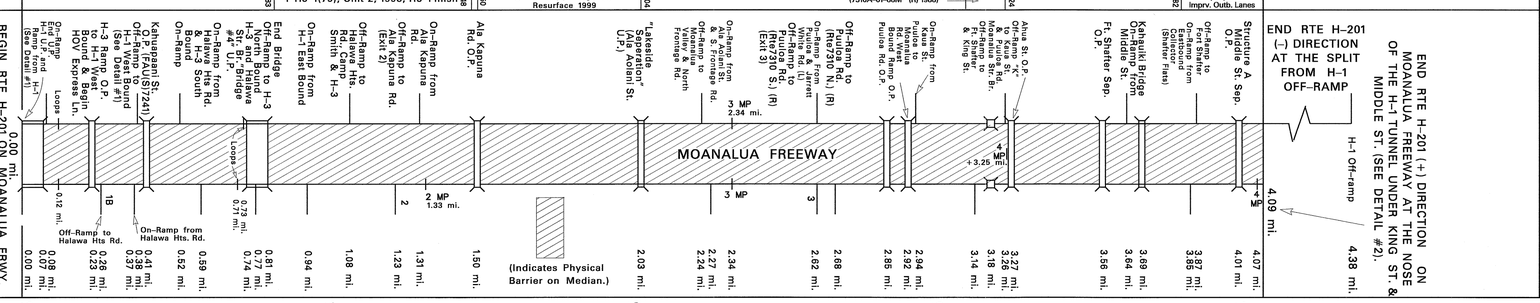
Project No., Type of Construction, and Year Constructed

I–H3–1(75), Unit 2, 1998, H3 Finish — STP–H201(3) Frntg. Rds. Resurface 1999 — (7310A–01–88M (R) 1988) — I–H1–1(167)1985 Imprv. Outb. Lanes



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

Road Diagram



SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type

10' PCC — 10' AC — 10' 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' 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) — 48' AC — (36' PCC) 36' AC — 36' AC — 48' AC — 36' AC — 31' AC

Shoulder: Width and Type

8' PCC — 10' AC — 10' PCC — 10' AC — 6' AC — 10' AC — 8' AC — 10' 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) — (1–12' Accel, Decel) — (1–12' Decel) — (1–12' Accel) — (1–12' Decel)

(Right Side)

(1–12' Accel, Decel) — (1–12' Accel) — (2–12' Accel) — (1–12' Decel) — (1–12' Decel) — (1–12' Accel)

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

2–12' — 2–12'

Sidewalk: Width and Type (Right and Left)

(AC Gutter) — (4' Conc. Gutter) — (AC Gutter) — (AC Gutter) — (Conc. Barrier) — (Conc. Curb & Gutter) — AC Gutter — (Conc. Barrier)

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

AC Gutter — AC Gutter — AC Gutter — AC Gutter

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

(Conc. Barrier) — (Conc. Barrier) — (Conc. Barrier) — Conc. Barrier — Conc. Barrier

Illumination: Type, Location and Number

(Conc. Barrier) — Sodium Vapor — (Conc. Barrier) — Mercury Vapor — (Conc. Barrier)

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

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 Station

HPMS Section

AADT

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

National Highway System (NHS) — NHS

Previous Projects: Project No., Date and Limits

78A–01–91M, 1993, Resurface Outbound Lanes — IM–H201, 1995 Resurface — (IR–H1–1(214) Resurf. 1992)
78A–01–90M(R), Inb. Lanes, 1990 — 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. — F–FF–078–1(16), 1979 — (I–H1–1(29):18, 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 — S–0720(1), Unit 2 1958 — US–6–0720(3) Unit3, 1960 — BU–072–1(2), 1960
168+05 — 208+61.36 — 208+00 — 239+00 — 283+78.43 — 285+35.55 — 311+00 — 318+85 — 316+90 — 346+50 — 359+49.08 — 7+50 — 11+75

SCALE: (In Miles) 4" = 1 mile

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

ROAD INVENTORY

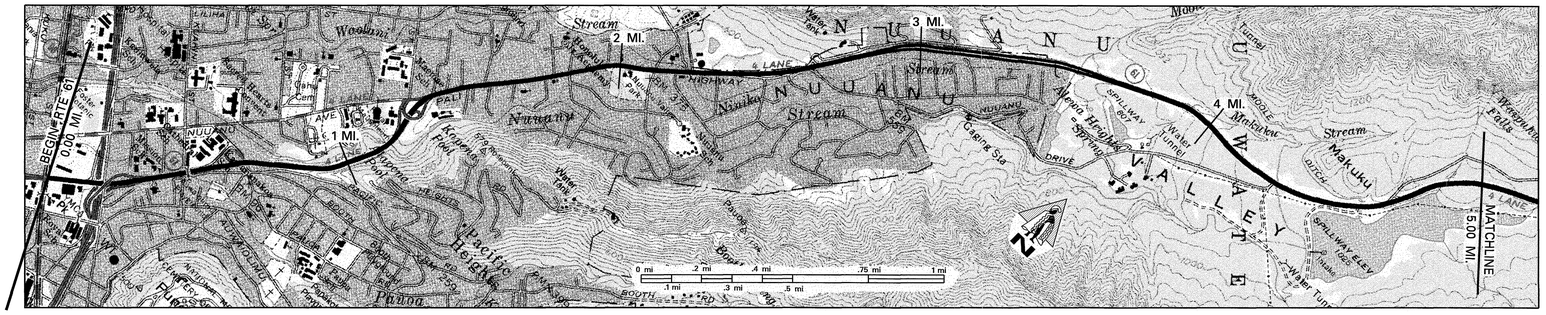
OAHU RTE 61
PALI HIGHWAY

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

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"

Horizontal Clearance: 36'

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

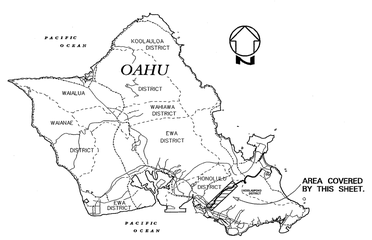
Right of Way Fence: Type – Right and Left: Chainlink 8' from Pvmt. | Stonewall 10' from Pvmt. | Stonewall (Stonewall) 20' from Pvmt. (Chain Link) | Chainlink 20'–40' from Pvmt.

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

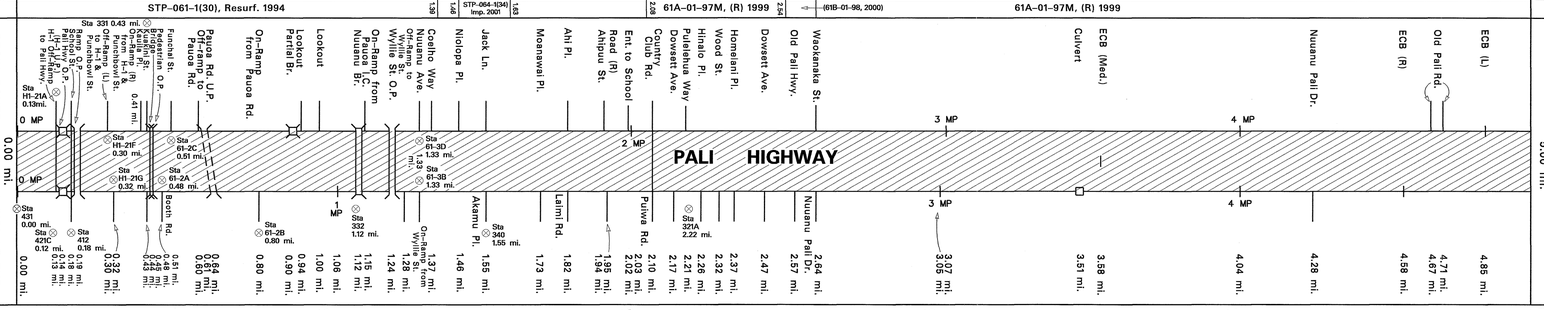


Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

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



CONTINUED ON SHEET #2 5.00 mi.

SCALE: (In Miles) 4" = 1 mile

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: 36' AC | 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: Width and Type (Raised Median except where otherwise indicated.): 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) | (3'-6' Conc. Sw. w/ Curb) | 4' Barrier | 10'–38' Grass | 4' Barrier

Median Barriers: Legend: —— = Conc. Barrier —|—|— = M/M Guard Rail —×—×—×— = Chain Link Fence

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

Pavement: Width and Type: 36' AC | 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' (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): 3-12' | 2-12' | 10' Decel. Ln.

(Right Side): 12' T.L. | 10' T.L. | 11' | 10' | 10'

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

Sidewalk: Width and Type (Right and Left): 5' Conc. | 5' Conc. | 5' Conc. | 6' Conc. S.W. | 6' P.C.C. | (4' B.P. S.W.) | 3' Grass | 2' AC | 6' Conc.

Curb and/or Gutter: Type (Right and Left): Conc. Curb, AC Gutter | Conc. Curb, AC Gutter | Conc. Curb | Conc. Gutter & Curb | AC & Conc. Curb | Conc. Curb

Protective Devices: Type, Location and Number (All Metal Rails on Metal Posts unless otherwise noted. MCB = Metal on top of Concrete Barrier. RW = Rock Wall. CB = Concrete Barrier): MCB | MCB | RW | MCB | CB

Illumination: Type, Location and Number: MV | 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 (Honolulu)

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

Speed: 1–Design, 2–Posted: 25 MPH (2) | 35 MPH (2) | Not Posted | 25 MPH (2) | 35 MPH (2) | 45 MPH (2) | 45 MPH (Left Ln. Min. 40 MPH) (2)

Intersection Control Devices: Type, Location and Cycle Timing: 3 Phase | 3 Phase | 3 Phase | 3 Phase

Traffic Station: B72 0061 00000 | B72 0061 00011 | B72 0061 00018 | B72 0061 00030 | B72 0061 00055 | B72 0061 00060 | B72 0061 00133 | B72 0061 00146 | B72 0061 00196 | B72 0061 00210 | B72 0061 00264 | B72 0061 00272 | B72 0061 00287 | B72 0061 00362 | B72 0061 00434 | B72 0061 00450 | B72 0061 00467

HPMS Section: 0.08 | 0.16 | 0.30 | 0.37 | 0.61 | 0.97 | 1.41 | 1.94 | 2.10 | 2.29 | 2.72 | 2.87 | 3.62 | 4.27 | 4.50 | 4.65

AADT (Year 2006): 31,400 (24,400) | 58,900 | 52,700 | 56,700 | 71,100 | 50,000 | 49,600 | 47,100 | 48,100 | 47,600

DOD Sections

Census Tracts

Functional Classification: (Freeway & Expressway (Other)) | Freeway & Expressway (Conn. Link)

National Highway System (NHS): NHS

Previous Projects: Project No., Date and Limits
- 61A–01–97M, (R) 1999
- STP–061–1(31), Sidewalk 1996
- NH–061–1(28), Street Lights, 1994
- F–061–1(23), Improv., 1989
- STP–061–1(30) Resurface 1994
- 61ABC–01–90M (R) 1991
- FR–061–1(24),1981 (R)
- 61B–01–85M (R) 1985
- 61B–01–81M (R) 1982
- 61BD–01–82M (R) 1983
- U–061–1(4), 1959
- U7–0610(2), 1957
- FR–061–1(24), 1981 (R)
- 61B–01–68 1968
- BU–061–1(6) Unit 4, 1958,60
- BU–061–1(7) Unit 5, 1960,62
- U–061–1(4), 1957
- U–061–1(4), 1956
- U 33 (2), 1955,56
- BF–BU–061–1(2), 1957
- S–216 (4), 1954

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.
Dec. 07	D.B.

ROAD INVENTORY

OAHU RTE 61

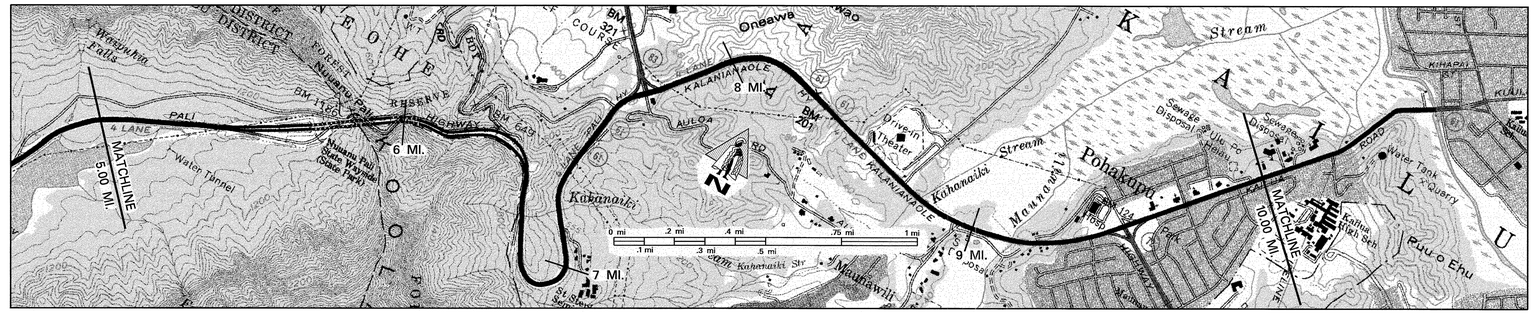
PALI HWY. – KALANIANAOLE HWY. – KAILUA RD.

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

Maintenance Control Sections : Length and Description

5.00 – 6.00	61 A (5.69 mi.)
6.00 – 6.34	61 B (0.35 mi.)
6.34 – 9.50	61 C (3.46 mi.)
9.50 – 10.60	61 D (1.10 mi.)

Structure Carrying Road – Bridges (Over 20'): Length, Type, Capacity and Year Constructed

- 5.89 (9) OTH, Tunnel, 1957 (12) TBM, HS-20, 1956 (18) OTH, Tunnel, 1959 (13) TBM, HS-20, 1956 (17) TBM, HS-20, 1956 (14) OTH, Tunnel, 1957 (19) OTH, Tunnel, 1961
- 1000' 1080' 500' 497' (11)(12)(13) 40' 42' 113' (15)
- 6.05 (17) (18) 6.24 (19) (21)(22) 6.34 (23) (24) (31) (25) 6.40 (26)
- (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) (5A) 206', CBG, HS-20, 1961; (23) (7) 301', CBG, HS-20, 1956; (24) (7A) 129', CBG, HS-20, 1961; (25) (8) 372', TBM, HS-20, 1956; (26) (8A) 176', CBG, HS-20, 1961
- TBM, H20, 1951 104' | TBM, H20, 1951 122'

Structure Carrying Road – Vertical Clearance: 32' | 31'

Structure Carrying Road – Horizontal Clearance: 24'

Structure Over Road – Vertical Clearance: 16' 16' 03" | 16' 05" 16' 10" | 24' 24' | 24' 24'

Structure Over Road – Horizontal Clearance: 25' 24'

Right of Way Width (min.–max.) if varies: 200' – 650' | 160' – 580' | 180' – 370' | 190' – 470' | 130' – 320' | 120' – 200'

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

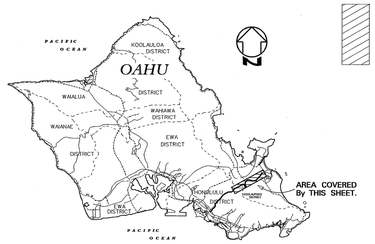
Right of Way Fence: Type – Right and Left: 20'–40' from Pvmt. Chain Link | Chain Link 5' from Pvmt. | Stone Wall 5' from Pvmt. | Stone Wall 20'–30' from Pvmt. | Tile Wall 20' from Pvmt. | Various

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State (210 + 10.10) (306 + 00)

Project No., Type of Construction, and Year Constructed: 61C–01–05M, Resurface, 2006 | STP–061–1(33), Shldr. 2000

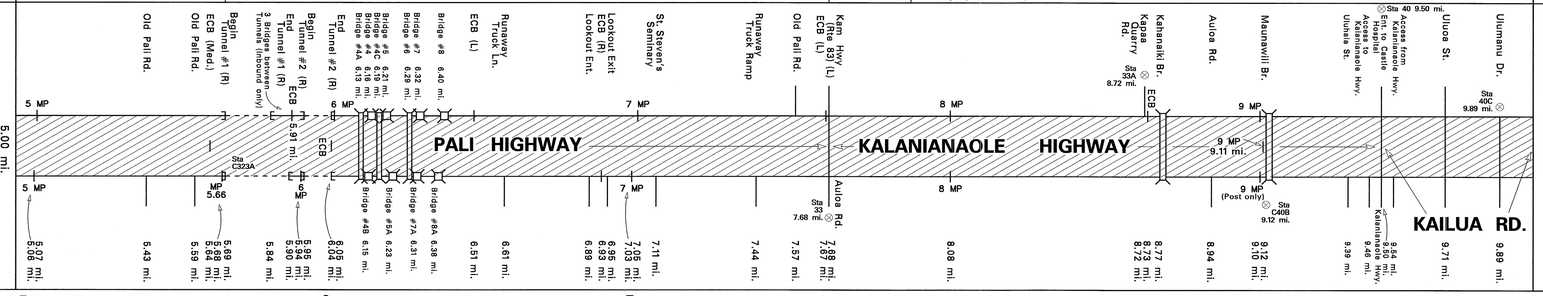
Project No., Type of Construction, and Year Constructed: 61A–01–97M, (R) 1999 | 61ABC–01–90M, (R) 1991 | (61C–01–04M, 2004, Emergency Land slide Repair) | 61 CD–01–92M, (R) 1993



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: 9.50 mi.– 10.60 mi. (5' Bike Lane Included In Shoulder Width)
- Pavement: Width and Type: 24' AC | 25' AC | 24' AC | 22' AC
- Shoulder: Width and Type: 3' AC | 0'–2' AC | 6' AC (Tunnel) (36' Grass) | 0'–2' AC | 3'–6' AC | 2'–4' AC | 0'–2' AC

Divided Highway – Median

- Median: Width and Type: 4' Barrier | 15'–28' Raised Grass w/ Curb | Tunnel | 14' Grass | 4' Barrier | 24' Grass — Raised Median except where otherwise indicated.
- Median Barriers: Legend: ——— = Conc. Barrier, ⊢—⊣ = M/M Guard Rail

Divided Highway – Undivided

- Shoulder: Width and Type: 2'–4' AC | 1'–2' AC | 4'–6' AC | 0'–2' AC | 4'–6' AC | 0'–2' AC
- Pavement: Width and Type: 24' AC | 25' AC | 24' AC | 22' AC
- Shoulder: Width and Type: 9.50 mi.– 10.60 mi. (5' Bike Lane Included In Shoulder Width): 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): 12' T.L. | 10' T.Ls. | 10' T.Ls. | 2 –11' (L) T.Ls. | 10' T.Ls. | 10' T.Ls. | U-Turn Only | U-Turn Only | 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' Conc. | 8' A.C. S.W.) | 8' B.P. S.W. | 6' Conc. | 6' Conc. | (2' AC) | (7.5' Conc.)

Curb and/or Gutter: Type (Right and Left): Conc. Curb | 4' Conc. Gutter | Conc. Gutter | 6' Conc. Gutter | 2' Conc. Gutter | AC Gutter | Conc. C&G | Conc. Curb | Conc. C&G | (6' Conc.)

Protective Devices: Type, Location and Number: Conc. Curb & 2' Conc. Gutter | 4' Conc. Gutter | (2' Conc. Gutter) — All Metal Rails on Metal Posts unless otherwise noted. CB = Concrete Barrier

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: Large Urbanized (Honolulu) | Small Urbanized (Kaneohe/Kailua)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Rolling | Mountainous (35 MPH (2)) | Rolling

Speed: 1–Design, 2–Posted: 45 MPH (2) | 45 MPH (Left Ln. Min. 40 MPH) (2) | 35 MPH (2) | 45 MPH (Left Ln. Min. 40MPH) (2) | 45 MPH (2) | 35 MPH (2) | 25 MPH (2) | 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing: Stop Lights | Traffic Lights | Traffic Lights | Stop Lights

Traffic Station: 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 Section: 5.15 | 5.55 | 5.69 | 5.90 | 6.04 | 6.44 | 6.78 | 8.29 | 8.43 | 9.05

AADT (Year 2006): 47,600 | 47,700 | 47,100 | 43,800 | 45,600 | 32,400

DOD Sections

Census Tracts

Functional Classification: Freeway & Expressway (Conn. Link) | Principal Arterial

National Highway System (NHS): NHS | None

Previous Projects: Project No., Date and Limits

- 61ABC–01–90M, (R) 1991 | 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 BD–01–82M (R) 1983
- 61 ABC–01–90M (R), 1991
- 61 BD–01–82M (R) 1983 | 61 CD–01–92M, (R) 1993
- 61 BC–01–77, (R) 1978
- S–216 (4), 1954 | OutBound, BF–061–1(5), 1957 | InBound, S–216 (5), 1954 | OutBound, BF–061–1(8), 1960 | InBound, S–0610 (1), 1955 | S–216 (3), 1951,53 | F–15 (3), 1949 | S–230 (2), 1950

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.

ROAD INVENTORY

OAHU RTE 61
KAILUA ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

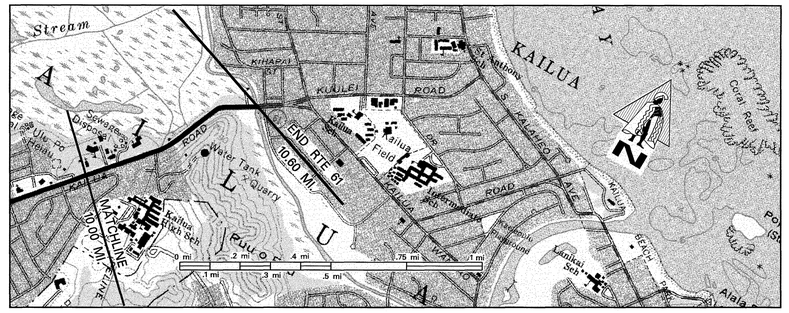
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

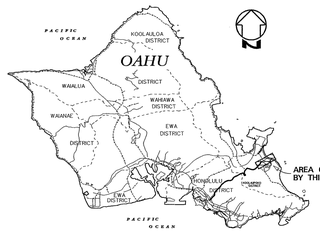
Total Travel Way Length: 10.60 MILES (a+b, less c)
- a. Existing Length: 10.60 MILES
- b. Temporary Length: 0.00 MILES
- c. Length used as T.W. for another Route: 0.00 MILES (–)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles) 4" = 1 mile

		10 – 11	11 – 12	12 – 13	13 – 14	14 – 15
Maintenance Control Sections : Length and Description		61 D (1.10 mi.)	End 61 D Same as End Route.			
Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed	Slab, H15, 1940 57' Slab, H15, 1940 54'				
	Vertical Clearance					
	Horizontal Clearance	25' 25'				
Structure Over Road	Vertical Clearance					
	Horizontal Clearance					
Right of Way Width (min.–max.) if varies		100'–200'				
Available Right of Way Width (Needs Study)		Residential (Cable Net System)				
Right of Way Fence: Type – Right and Left		Various 20' FP 10.10 10.25 10.38 10.63 Partial (Ancored Wire Mesh)				
Control of Access: 1–None, 2–Partial, 3–Full						
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)		344 + 00 State 363 + 51.10				
Project No., Type of Construction, and Year Constructed		10.22 10.59 (61D-02-06, Landslide Mitigation, 2007)				
Project No., Type of Construction, and Year Constructed		344 + 95.74 10.24 362 + 02.47 10.56 (61D-01-06, Temporary Lanes for Landslide, 2006)				



Road Diagram

* MP=Milepost Signage

CONTINUED FROM SHEET #2

Hanale Pl. | Private Rd. | Kawainui Br.

10.00 mi. | 10.10 mi. | 10.22 mi. | 10.59 mi. | 10.60 mi.

KAILUA RD.

Sta C40C 10.59 mi.

344 + 00

10.61 MP
10.60 mi.

END ROUTE 61 ON KAILUA RD. AT THE NORTHEAST END OF KAWAINUI BR.

Indicates Grass & / or Physical Barrier on Median.

SCALE: (In Miles) 4" = 1 mile

		10 – 11	11 – 12	12 – 13	13 – 14	14 – 15
Divided Highway – Undivided	Shoulder: Width and Type 9.50 mi. – 10.60 mi. (5' Bike Lane Included In Shoulder Width).	7' AC 10.07 10' AC				
	Pavement: Width and Type	22' AC				
	Shoulder: Width and Type	0'–2' AC				
Divided Highway	Median: Width and Type	24' Raised Grass 2'–9' Raised Grass	(24' Raised Grass)			
	Median Barriers:	10.24 10.56				
	Shoulder: Width and Type	0'–2' AC				
	Pavement: Width and Type	22' AC				
	Shoulder: Width and Type 9.50 mi. – 10.60 mi. (5' Bike Lane Included In Shoulder Width).	4'–5' AC 10.26 1.5' AC 10.59	(4'–5' AC)			
Number of Traffic Lanes		4–11'				
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)		21' U-Turn Only	36' U-Turn Only			
(Right Side)						
Frontage Road: No. of Lanes, and Width (Right and Left)		10.07 2' AC				
Sidewalk: Width and Type (Right and Left)		6' Conc.	7' Conc.			
Curb and/or Gutter: Type (Right and Left)		Conc. C&G				
Protective Devices: Type, Location and Number All Metal Rails on Metal Posts.		10.01 10.14 10.24 10.49				
Illumination: Type, Location and Number		40 HPS (Continued)				
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 (Kaneohe/Kailua)				
Terrain: 1–Flat, 2–Rolling, 3–Mountainous		Rolling 10.22 Rolling Mountainous 10.53	(Rolling)			
Speed: 1–Design, 2–Posted		35 MPH (2) 25 MPH (2)	(Not Posted)			
Intersection Control Devices: Type, Location and Cycle Timing		10.49 10.59				
Traffic Station		B72 0061 00950 B72 0061 01036				
HPMS Section		10.01 10.51				
AADT (Year 2006)		32,400 10.26 30,400 10.60				
DOD Sections		DOD 505	(Note: DOD 505 Continues for 1.47mi. on Kailua Rd. & Oneawa St. End DOD 505 at Intersection of Oneawa St. and Mokapu Blvd.)			
Census Tracts						
Functional Classification		Principal Arterial				
National Highway System (NHS)		None				
Previous Projects: Project No., Date and Limits		STP-061-1(33), Shldr. Imprv. 2000				
		61 CD-01-92(M), 1993				
		61 BC-01-77(M), 1978 (R)				
		S-230 (2) 1950				

SCALE: (In Miles) 4" = 1 mile

Date Released	
Oct. 2002, D.B.	
Revised	
Mar 03	D.B.
6/06	D.B.
3/07	D.B.
12/07	D.B.

ROAD INVENTORY
OAHU RTE 63
KALIHI ST. AND LIKELIKE HWY.

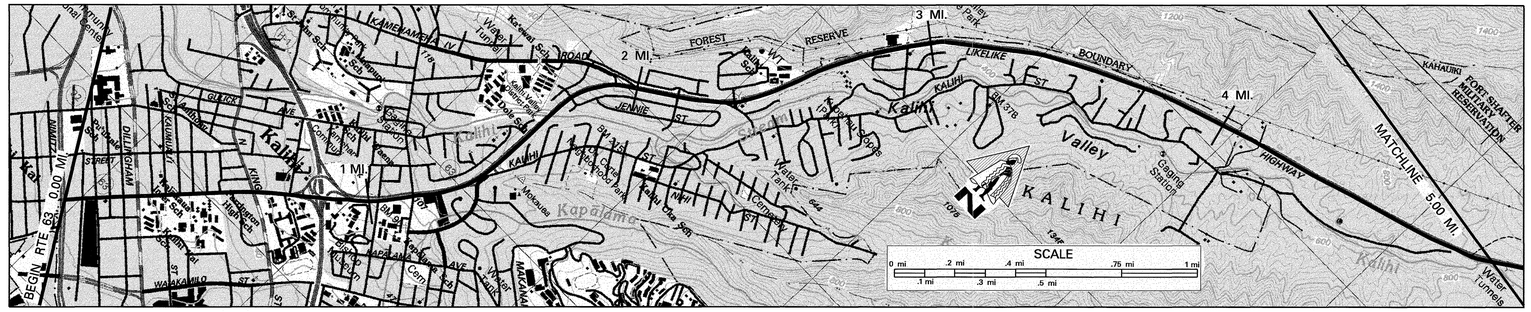
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

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)

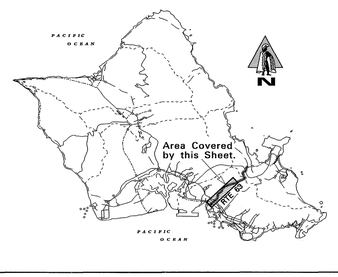
Right of Way Fence: Type – Right and Left — FP = From Pavement

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; (63A-01-86M (R) 1987); STP-063-1(20) (R) 1997; 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)

KALIHI STREET — LIKELIKE HIGHWAY

Continued on Sheet 2 5.00 mi.

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 Barriers: = Chain Link; = Guardrail; = 2' Concrete Barrier w/ Glare Screen
- 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) — M.C.C. = Mountable Concrete Curb

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 (Honolulu)

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 00125); 3 Phase; 2 Phase

Traffic Station — B72 0063 00000; B72 0063 00024; B72 0063 00062; B72 0063 00074; B72 0063 00086; B72 0063 00098; B72 0063 00115; B72 0063 00131; B72 0063 00164; B72 0063 00179; B72 0063 00194; B72 0063 00233; B72 0063 00252; B72 0063 00286; B72 0063 00300

HPMS Section — 0.07; 0.43; 0.70; 0.85; 0.89; 1.00; 1.22; 1.25; 1.64; 1.66; 1.85; 2.21; 2.52; 2.69; 3.00

AADT (Year 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

DOD Sections — DOD 475 | DOD 480

Census Tracts

Functional Classification — Minor Arterial | Principal Arterial | Freeway & Expressway (Connecting Link)

National Highway System (NHS)

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-01-76M (Resurface) 1976
- 63A-03-76M (Resurface) 1976
- 63A-08-70 (Resurface) 1970
- 63A-02-68, 1970
- 63A-01-67 (R), 1967
- 63A-01-74, 1974
- US-0630(2), 1958
- US-S-0630(1), 1956
- S-0630-(3), 1958

SCALE: (In Miles) 4" = 1 mile

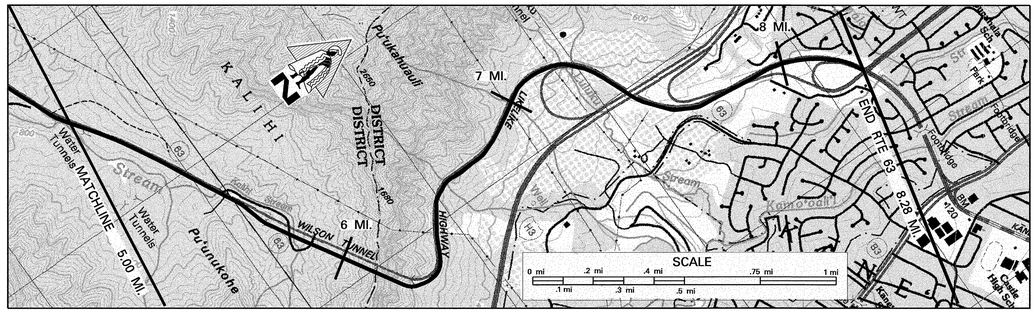
Date Released	
Feb 2001, D.B.	
Revised	
Mar. 04	D.B.
6/06	D.B.

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

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' (5.32); 160' (6.28); 120' (7.33); 150' – 180'

Available Right of Way Width (Needs Study): Mountainous (Banana Patches & Forest Reserve) (8.27)

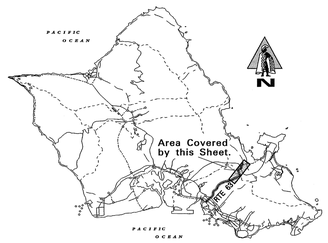
Right of Way Fence: Type – Right and Left: (Chainlink) (7.49); Chainlink (7.95)

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State (238+00; 1+02)

Project No., Type of Construction, and Year Constructed: STP-063-1(22), Wilson Tunnel Imp., 2006 (5.69); (I.B.) (O.B.) (6.28); HWY-O-06M, Resurf., 2007 (53+70)

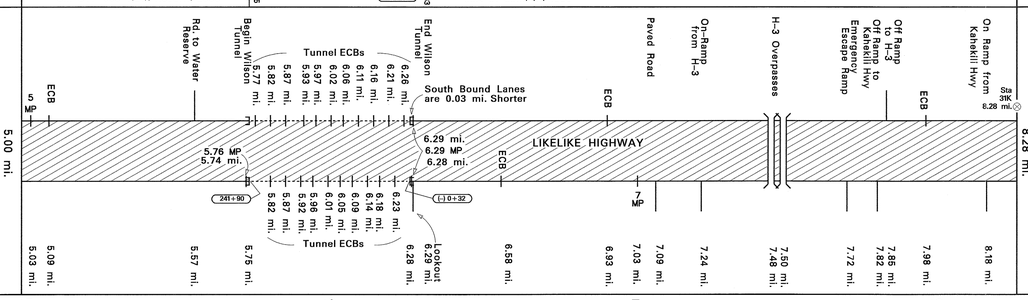
Project No., Type of Construction, and Year Constructed: CM-STP-063-1(21), Resurf., 2003 (5.75); (2+40); 63A-01-89M, (R) 1990 (6.33)



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage



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

SCALE: (In Miles) 4" = 1 mile

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 (5.59); 0; 2'–4' AC (6.92); 4'–6' AC (7.33); 8'–10' AC
- **Median: Width and Type**: 2' Concrete Barriers; 4'–40' Grass; Tunnels (20' Grass) (6.30); (6.35); 4' Concrete & Steel Barrier
- **Median Barriers:** ⊢⊣ = Guardrail; ▬▬ = Concrete Barrier; ● = Terminal Impact Attenuator

Divided Highway — Divided

- **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 (7.33); 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 (6.35); 8' Grass (6.63); 2'–4' AC (7.02); 8'–10' AC

Number of Traffic Lanes: 2–11' (5.38); 2–12'; 4–12'; 2–12' (7.23); 3–12' (7.71); 4–12' (7.82); 2–12' (8.18); 3–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): (7.71)

(Right Side): (7.85)

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 (5.39); (5.46); (5.49); MCC (5.57); (5.66); MCC; Conc. G.; Conc. Curb (6.28); Conc. Gutter; AC G.; AC Gutter; (AC Gutter); AC Gutter

Protective Devices: Type, Location and Number Metal on Metal unless otherwise noted: AC Gutter; MCC (5.12); (5.29); (5.40); (5.46); (5.48); (5.57); (5.66); (5.71); (5.74); (5.75); (6.28); (Conc.); (6.35); MCC; MCC; MCC; (7.07); (7.12); (Conc.); AC Gutter; (Conc.); AC Gutter; (8.21)

Illumination: Type, Location and Number: from 2.93 mi. 148 HPS (5.35); M.V. (7 S.V.); Sodium Vapor (L) &(R) (7.49); (7.78); (8.35); (8.27)

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 (Honolulu) (6.28); Small Urbanized (Kaneohe/Kailua)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: (2) Rolling (5.50); (3) Mountainous (7.70); (2) Rolling

Speed: 1–Design, 2–Posted: 45 MPH (2); (5.66); 35 MPH (2) (6.43); 45 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing: (5.62); Traffic Lights (7.76); (7.94)

Traffic Station: B72 0063 00300; B72 0063 00575; B72 0063 00628; B72 0063 00700; B72 0063 00724; B72 0063 00818

HPMS Section: (5.72); (5.75); (6.28); (7.00); 7.90; 8.20

AADT (Year 2006): 29,500; (7.44); 38,200; (8.18); 42,000; (8.28)

DOD Sections: DOD 480

Census Tracts

Functional Classification: Freeway & Expressway (Conn. Link)

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

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

63A-03-76M, (R) 1976 (5.35); (6.34); 63A-03-76M (Resurface) 1976; (7.33); FR-0300(11) (Resurface) 1981
63A-08-70, (R) 1970 (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

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

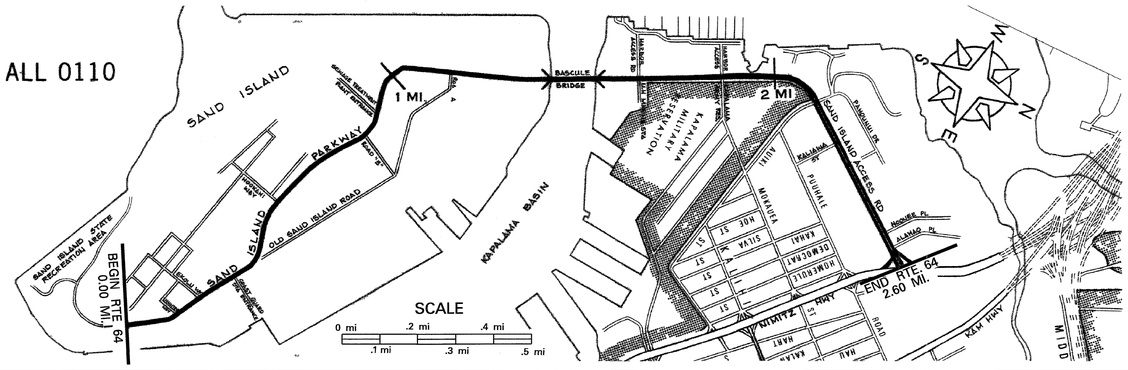
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

*

ALL 0110



SCALE: (In Miles) 4" = 1 mile

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

Horizontal Clearance
- Inb.: 32'
- Outb.: 32' + 8' Bikelane

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.-max.) if varies: 1.53 Est. 100' 2.06 2.07 100'-120'

Available Right of Way Width (Needs Study): 0.24 0.87 Industrial Area 1.37 1.84 2.07

Right of Way Fence: Type – Right and Left (Footage is the Distance of Fence from Pavement.)
- Hollow Tile 8' (0.24–0.87); Chain Link 8' (0.87–1.37); Chain Link 15'-20' (1.37–2.07); (Chain Link 20') (2.07–2.40)
- C.L. 8' (0.11–0.15); Chain Link 6' (0.15–0.38); Chain Link 8' (0.38–0.83); Chain Link 10' (0.83–1.11); Chain Link 4' (1.11–1.40); Chain Link 15'-20' (1.40–2.12); Chain Link 15'-20' (2.12–2.35); Chain Link 15'-20' (2.35–2.95)

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 NH-064-1(8), 2005 Bascule Br. Deck Replacement (1.36–1.53); STA 52+98 (HWY-D-05-00 Inter Imp., 2003) (1.80–1.98); (92A-01-00, Imprv., 2003) (2.40)

Project No., Type of Construction, and Year Constructed: NH-064-1(5) Resurf. 1996; (BR-F-064-1(2) Widening 1990) (0.80–0.87); STP-064-1(6) Resurf. 1996

Road Diagram

* MP = Milepost Signage

BEGIN RTE 64 ON SAND ISLAND PARKWAY ON 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.); Makepono St. (0.43 mi.); Begin Divided Hwy (0.64 mi.); Driveway (L) Entrance to Maintenance Pier (R) (0.68 mi.); Driveway (0.74 mi.); Gate (#1) Piers 51B, 52, 53 (0.82 mi.); Sewage Treatment Plant Ent. (0.87 mi.); Road "A" (Marine Ed Cntr Bishop Museum) (Pier 51A) (L) Road (R) (1.10 mi.); Truck Off-load Area (Gated Rd.) (1.21 mi.); Truck Weighing Station (1.23 mi.); Paved Road (R) (1.32 mi.); Begin Bascule Bridge (1.36 mi.); End Bascule Bridge (1.40 mi.); Keehi Boat Harbor Access Rd. (L) Ent to "One Sand Island Rd." (UH Marine Ctr.) (R) (1.53 mi.); Road #2 (1.86 mi.); End Divided Hwy (1.96 mi.); Begin Divided Hwy & Paved Road (2.02 mi.); Pahounui Dr. (L) Auiki St. (R) (2.12 mi.); Kailava St. (2.24 mi.); Pahounui Dr. (2.31 mi.); Hoonee Pl. (2.49 mi.); Spurs (LL&(R) Alaha Pl. (2.55 mi.); END RTE 64 ON SAND ISLAND ACCESS RD. AT THE SOUTH EDGE OF PAVEMENT OF NIMITZ HIGHWAY (RTE 92). 2.60 mi. (2.57 mi.)

Sand Island Parkway — Sand Island Access Rd.

Indicates Grass & / or Physical Barrier on Median.

SCALE: (In Miles) 4" = 1 mile

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; 26' Dirt; 24' AC; 28' AC

Shoulder: Width and Type: 0; 0

Divided Highway — Median

Median: Width and Type: 0'-12' Painted; 0'-22' Raised Grass, Conc. Curb & Gutter; 8' Raised w/ Conc Curb (G.R. Conc. Barriers G.R.); 0'-14' Paint (0'-8' Raised Grass Conc. Curb & Gutter); (0'-6' Paint); 0'-6' Raised Grass with Curb; 6'-12' Raised Grass with Curb

Divided Highway — Undivided

Shoulder: Width and Type: 0; 0; 0

Pavement: Width and Type: 12' AC; 26' AC; 24' AC; 24' PCC; 24' AC; 24' PCC; 24' Steel; 26' PCC; 26' AC; 24' AC; 36' AC; 36' PCC

Shoulder: Width and Type: 0; 2' AC; 0; 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'; 2-14', 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', 1-14'; 1-12', 1-14'; 5' Bike Lane; 3-12'

(Right Side): 8' Bike Lane; (1-11' T.L.); (1-11' Accel. Lane); (1-12' T.L.); (1-12' T.L.); (1-12' T.L.); 5' Bike Route; 6' Bike Lane

Frontage Road: No. of Lanes, and Width (Right and Left): 1-14'; (Truck Pullover Lane)

Sidewalk: Width and Type (Right and Left): 6' Conc.; 8' Conc.; 8' Conc.; 6' Conc.

Curb and/or Gutter: Type (Right and Left): 6' Conc. Curb & Gutter; 4' AC; 10' AC; 6' Conc. Curb; Conc. Curb; (Conc. Curb)

2' Conc. Curb & Gutter; Conc. Curb; Conc. Curb; Conc. Curb

Protective Devices: Type, Location and Number (Note: Metal Rails on Metal Posts Unless Otherwise Noted.): Conc. w/ Metal Rail

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

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 Station: B72 0064 00000; B72 0064 00025; B72 0064 00082; B72 0064 00110; B72 0064 00137; B72 0064 00155; B72 0064 00164; B72 0064 00213

HPMS Section: 0.17; 0.55; 0.99; 1.29; 1.53; 1.93; 2.33

AADT (Year 2006): 1,000; 8,400; 13,100; 17,100; 15,600; 21,300; 23,200

DOD Sections: DOD 280

Census Tracts: CT 57; CT 57.99; CT 59.99; CT 59

Functional Classification: Principal Arterial (Other)

National Highway System (NHS): None; NHS

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

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

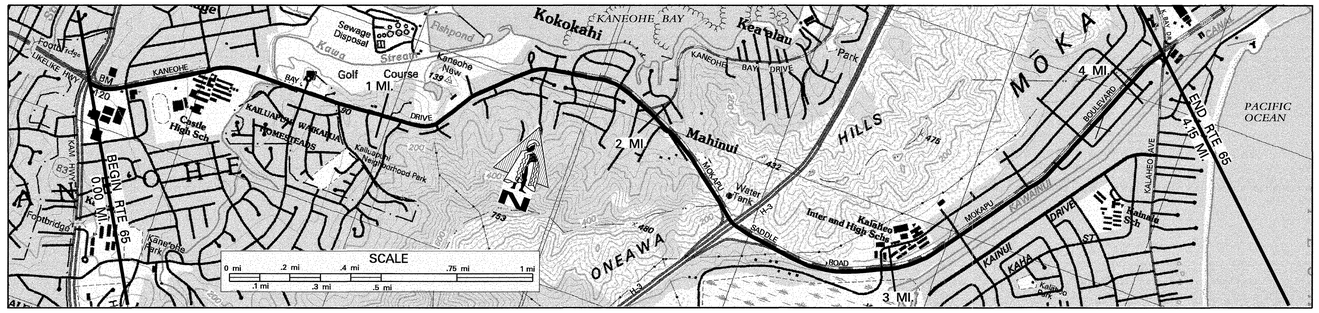
Total Route Length: 4.15 miles

a. **Survey Length:** 4.15 miles

b. **Proposed Length:** 0.00 miles

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

*



SCALE: (In Miles) 4" = 1 mile

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'); Slab 1952 Ped. O.P. (42'); CBG 1971 Both InB. & OutB. (169')
- Vertical Clearance: 0.65; 1.65; 2.45
- Horizontal Clearance: 39'

Structure Over Road

- Vertical Clearance: 16'; 18' (L) & (R), 53' (L), 52' (R)
- Horizontal Clearance: 34'

Right of Way Width (min.–max.) if varies: 100' – 155'; 1.73; 145' – 420'; 2.16; 110'

Available Right of Way Width (Needs Study): Residential Area; 2.00; Mountainous; Residential Area

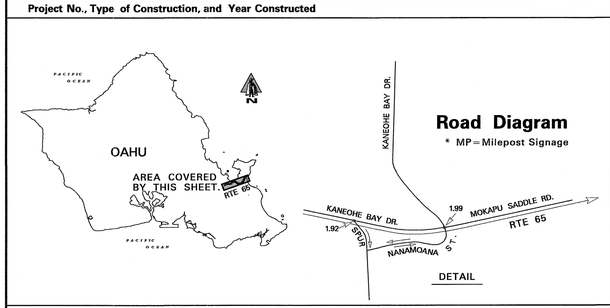
Right of Way Fence: Type – Right and Left: 0.19; 0.22 ChainLink 10' from Edge of Pavement; 2.88; 3.16 ChainLink 15'-25' from Edge of Pavement

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STA 20+00; STA 35+27.70; State

Project No., Type of Construction, and Year Constructed: 0.34; 0.55; STP-065-1(9) Improve, 2005; (65A-02-90, 1993 Inter. Impr.); (65A-03-90, 1993 Inter. Impr.); (65A-01-90M,1991); 1.83; 65B-01-01M Shldr., 2002; 2.15; STP-065-1(7) 2000; 2.28; H3M-01-90M Resurf., 1992; 2.98; (STP-065-1(4) Traffic Light 1996); 3.32

Project No., Type of Construction, and Year Constructed: 65A-01-90M (R) 1991; 1.10; 1.28; 1.50; 1.78; 65A-01-89 1991; 1.91; 2.28; 2.87; 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 Northeast edge of pavement of Kam. Hwy (Rte 83). 0.00 mi.

KANEOHE BAY DRIVE — STA 22+77; STA 35+27.70 — MOKAPU SADDLE RD. — MOKAPU BLVD.

Makalaini St. (L) 0.11 mi.; Aumoku St. (R) 0.34 mi.; Puohala St. 0.39 mi.; Ent. to Castle High School 0.50 mi.; End Divided Hwy 0.51 mi.; Castle Rd Entrance 0.55 mi.; Begin Divided Hwy 0.65 mi.; Kawa Br/End Divided 0.67 mi.; Puaas Rd. 0.68 mi.; Begin Divided Hwy 0.73 mi.; Makulele Dr. 0.83 mi.; Kapana Rd. End Divided Hwy 0.84 mi.; Nohonai Pl. 0.94 mi.; Namoku St. 1.06 mi.; Begin Divided Hwy 1.12 mi.; Moakaka Pl. 1.17 mi.; Begin Divided Hwy 1.28 mi.; Miha St. 1.40 mi.; End Divided Hwy 1.50 mi.; Begin Divided Hwy 1.57 mi.; Kaneohe Bay Dr. Ent. to H-3 1.61 mi.; Bay Divided Hwy 1.67 mi.; Ent. to H-3 1.68 mi.; End Divided Hwy 1.75 mi.; Likeke Pl. 1.78 mi.; Mikiola Dr. West Inter. 1.83 mi.; Mikiola Dr. East Inter. 1.92 mi.; Kaneohe Bay Dr. Nanamoana St. Spur 1.99 mi.; See Detail; Nanamoana Nanamoana 2.05 mi.; Kaheinani Pl. (R) 2.10 mi.; 2.12 mi.; 2.20 mi.; Ramp to H-3 S.B. 2.34 mi.; H-3 Overpasses (Kaneohe Bay Dr. Ramp to H-3 S.B.) 2.44 mi.; 2.43 mi.; Ramp to H-3 N.B. 2.55 mi.; Ramp from H-3 N.B. 2.65 mi.; Kapaa Quarry Rd. (R) Kalaheo High School (L) 2.96 mi.; Onaewa St. (R) Iliiplo St. (L) 3.24 mi.; Ilikupono St. 3.52 mi.; Ilikala Pl. 3.64 mi.; Iliimalia Lp. (R) Iliilani St. (L) 3.76 mi.; Iliimalia Lp. (R) Iliiveh Lp. (L) 4.01 mi.

End Rte 65 on Mokapu Blvd. at the Southwest edge of pavement of Kaneohe Bay Dr. (L) 4.15 mi.

Indicates Physical Barrier on Median.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

- Shoulder: Width and Type: 0'; 0.39 5' Shared Bike Lane; 6' AC; 2' AC / 2' Grass; 1.72; 4'–6' AC; 1.94; 10' AC; 2.96; 0'
- Pavement: Width and Type: 24' AC; 12' AC; 2.6' 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; 0.56; 0' (8'–10' AC); 0' 4' AC/4' Grass; 0' (4' AC 4' Grs.); 0' (4' AC 4' Grs.); 0'; 2'–4' AC; 2.08; 0'; 2.20; 10' AC; 2' AC

Divided Highway — Divided

- Median: Width and Type: 18' Grass Raised; 0.16; 0.22; 0.34 Bike Lane; (10' Painted AC); 0.49; 10' Painted AC; 0.67; 10' Painted AC; 0.84; 1.12; 11' Painted AC; 1.28; 1.30; 11' Painted AC; 1.51; 1.57; 10' Painted AC; 1.73; 24' Raised Grass (24' Painted AC); 2.12; 2.20; 4' Barrier (24' AC Raised); 3.16; 3.17; 28' Grass Raised
- Median Barriers: = Guardrail; = Conc. Barrier
- Shoulder: Width and Type: 0'; 0.42; 0'; 0'; 0'; 0'; 2' AC; 2.36; 2.42; 10' AC; 2' AC
- Pavement: Width and Type: 24' AC; 8'–10' AC; 0.98; 12' AC; 12' 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; 1.69; 0'; 1.83; 10' AC; 3.17; 0'

Number of Traffic Lanes: 4–12'; 0.07; (L) 1–12', (R) 2–12'; 0.45; 5' Shared Bike Lane; 2–12'; 2–11'; (L) 1–12', (R) 2–12'; 2.01; 2.06; 4–12'; 3.02; 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; 0.16; 0.20; 0.42; 9' TL's; 0.67; 0.69; 0.80; 11' AC TL's; 1.17; 1.24; 1.36; 1.40; 1.44; 1.57; 1.60; .66; .51 .63; 1.72; 1.83; 1.90; 1.89; 2.05; 2.10; 2.19; 2.26; 2.34; 2.43; 2.54; 2.65; 2.71; 2.89; 2.96; 3.02; 3.05; 3.18; 3.26; 3.34; 10' AC T.L.'s; 3.46; 3.52; 3.70; 3.76; 3.95; 4.01; 4.09

(Right Side): 0.04; 0.08; 0.34; 8' AC TL's; 10' AC T.L.'s; 12' AC T.L.'s

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

Sidewalk: Width and Type (Right and Left): 0.39; 10' Conc. SW; 3' AC; 0.74; 8' Conc. SW; 1.69; 8'–10' Conc.; 1.83; 2.96; 8' Conc.; 3.17

Curb and/or Gutter: Type (Right and Left): 8' Conc. Curb; 0.40; 0.42; Curb; 0.49; 0.71; 0.74; Curb; 0.80; 0.86; 1.69; 1.98; 1.79; Curb; 2.00; 2.68; 2.86; 2.89; Conc. Curb; 3.17; Conc. Curb; Conc. Curb

Protective Devices: Type, Location and Number — All Metal Rail on Metal Post unless otherwise noted. 0.50; 0.95; 0.83; 1.02; 1.14; 1.21; 1.44; 1.57; 1.61; 2.26; 2.42; 2.85; 3.00; 3.17

Illumination: Type, Location and Number: 0.39; 17 HPS; 0.86; 0.90; Mercury Vapor; 1.52; 1.92; 1.98; 2.05; 2.10; 2.60; 2.65; 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; 2.85

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: (1) Flat; 0.72; (2) Rolling; 2.00; (3) Mountainous; 2.50; (3) Mountainous (1) Flat; (1) Flat

Speed: 1–Design, 2–Posted: 35 MPH (2); (B72 0065 00199); 30 MPH (2); 35 MPH (2); 3.17; 30 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing: 0.00; 0.11; 0.39; (B72 0065 00040); 0.73; 3 Ph.; (B72 0065 00085); (B72 0065 00151); (B72 0065 00168); 3 Ph.; 1.92; (B72 0065 00205); 3 Ph.; 2.43; 2.87; 2.96; 3 Ph.; (B72 0065 00317); 3.24; 4.15

Traffic Station: B72 0065 00000; B72 0065 00048; B72 0065 00073; B72 0065 00090; B72 0065 00155; B72 0065 00173; B72 0065 00184; B72 0065 00211; B72 0065 00219; B72 0065 00234; B72 0065 00324

HPMS Section: 0.25; 0.44; 0.62; 0.79; .87; 1.35; 1.52; 1.61; 1.63; 1.72; 1.75; 1.88; 2.04; 2.05; 2.18; 2.35; 2.80; 3.19; 3.85

AADT (Year 2006): 28,100; 0.40; (22,400); 0.48; 22,100; 0.73; 21,800; 0.90; (19,700); 0.85; 19,500; 1.61; (19,900); 1.65; 19,800; 1.89; 1.84; 19,600; 1.99; 16,200; 2.11; 16,400; 2.34; 23,700; 3.17; (25,100); 3.24; 10,100; 4.15

DOD Sections: 0.65; DOD 510; 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 (Other)

National Highway System (NHS)

Previous Projects: Project No., Date and Limits: 6300A-01-80M (R) 1981,80 S-230(1) 1950; 1.71; 1.73; S-0630(10) 1970; 90 + 72; (-)4 + 98.05; 1.78; 65A-01-90M 1991; 2.12; 2.35; 2.40; S-0630(11) 1971; 31 + 75; 2.59; S-0630(11) 1968; 3.18; 73 + 04.30; 51 + 93.17; 65B-01-87M (R) 1987; 4.12; S-0630(6) 1958; (-)0 + 36

SCALE: (In Miles) 4" = 1 mile

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

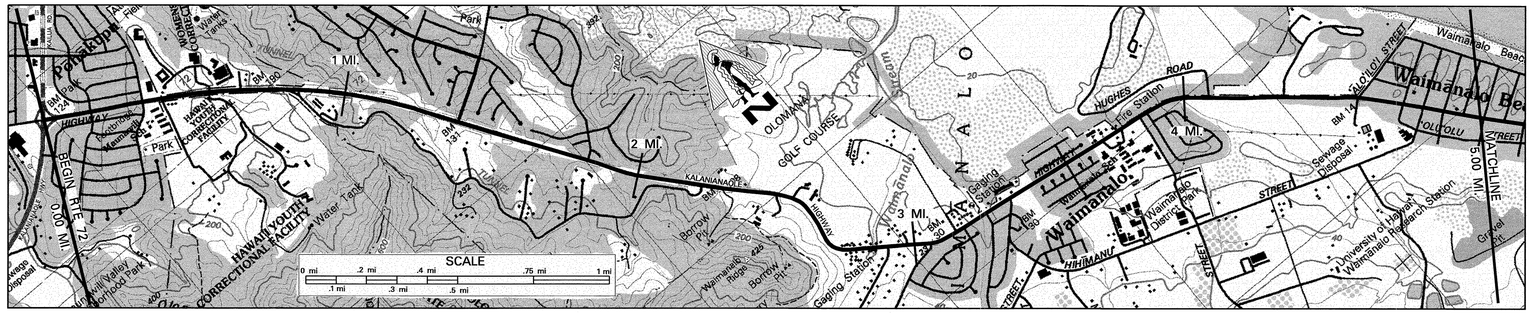
ROAD INVENTORY
OAHU RTE 72
KALANIANAOLE HWY

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

Maintenance Control Sections : Length and Description

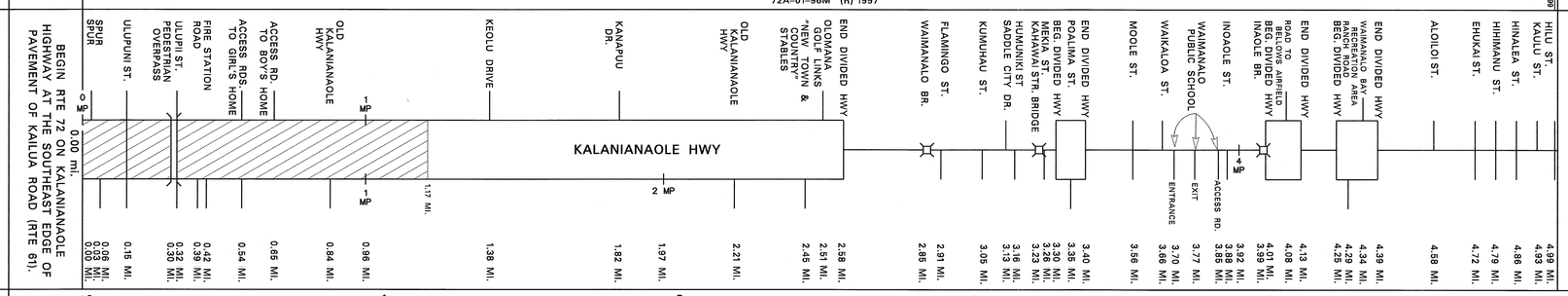
72 A (5.25 MI.)

Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed: PED. O.P. P/CB 1967 118'; TEE BEAM 1924, H-10 53' 33'; BOX CULVERT 1986, HS-20-44 16'
Vertical Clearance: 23' 23' 46'
Horizontal Clearance
Structure Over Road — Vertical Clearance: 16'-7"
Horizontal Clearance: 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 TILE WALL TREES BUSHES AND PASTURE
Right of Way Fence: Type - Right and Left (CL=CHAINLINK, FP= FROM PAVEMENT): WOOD ON ROCK WALL 23' F.P. C.L. WIRE ON WOOD 30' F.P. C.L. 30' F.P. C.L. 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



CONTINUED ON SHEET #2

SCALE: (In Miles) 4" = 1 mile

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
Divided — 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
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' 2-12' 1-20' 1-12' 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): (2-14') (2-10') (2-11')
(Right Side): 10' T.L. 10' T.L.s
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left): 3' AC 3' AC 3' CONC. 3' AC 3' AC
Curb and/or Gutter: Type (Right and Left): METAL ON CONC. AC CURB CONC. C&G. AC CURB
Protective Devices: Type, Location and Number: M/M
Illumination: Type, Location and Number: 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
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 Station: 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 Section: 0.25 0.69 1.02 2.06 2.88 2.75 2.85 3.99 4.49
AADT (Year 2006): 32,700 32,700 29,200 23,800 22,700 17,500 16,900 16,500
DOD Sections: DOD 310 DOD 311
Census Tracts
Functional Classification: PRINCIPAL ARTERIAL PRINCIPAL ARTERIAL (CONN. LINK)
National Highway System (NHS): NHS
Previous Projects: Project No., Date and Limits: 72A-01-88M (R), 1988 72A-01-79M (R) 1979 F-072-1(13) 1963 F-072-1(15) 1966 72A-01-71, 1976 F-072-1(15), 1976 F-072-1(24) 1969 F-072-1(28), RESURFACE 1985 F-072-1(15), 1976 WDRC 1(7) 1946 COUNTY (72AB-01-88M (R), 1988)

SCALE: (In Miles) 4" = 1 mile

Date Released
JAN 05, D.B.

Revised	
G.N.	5/06
D.B.	12/07

ROAD INVENTORY
OAHU RTE 72
KALANIANAOLE HWY

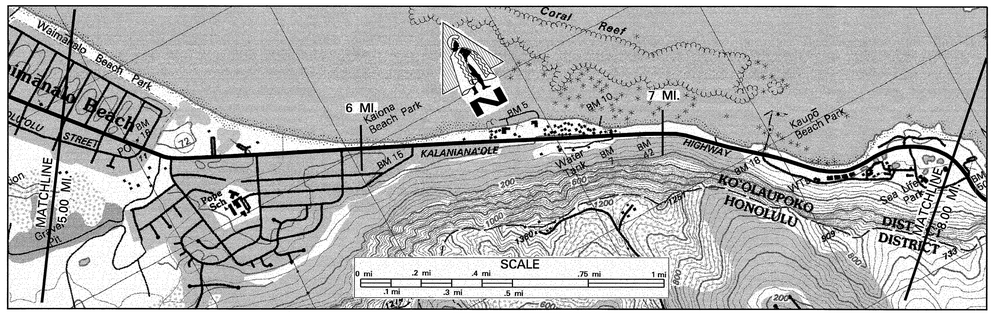
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

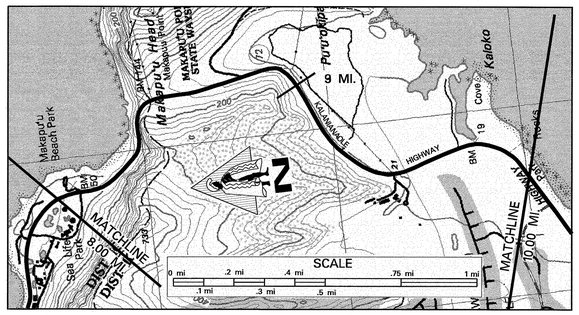
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

(72 A (5.25 MI.))
5.36 END 72 A – BEGIN 72 B AT CENTERLINE WAILEA ST.
72 B (8.00 MI.)

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' (9.50); 70' (9.75)
- Horizontal Clearance: 48' (9.50); 39' (9.75)

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: 100' (5.69); 80' (6.42); 50'–165' (8.92); 60'–100'

Available Right of Way Width (Needs Study): TREES BUSHES & PASTURE (6.86); BEACH (L), TREES & BUSHES (R); (Boulder Barrier) (8.83–8.85); RESIDENTIAL

Right of Way Fence: Type – Right and Left: (ROCK WALL) (7.33–7.48); CHAINLINK FENCE (7.48–8.04); NONE; CHAINLINK (9.40–9.69)

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STA 189+40.62 STATE; STA 135+96.72; (166+00); (183+50)

Project No., Type of Construction, and Year Constructed: 72B–01–99, 2005 Realignment (7.38–7.69); (72B–02–02, ROCK SCALING & PROTECTION 2003) (8.31–8.44); STP–072–1(46), Ph 1, Improvements, 2006 (8.46–8.49); (8.70)

Project No., Type of Construction, and Year Constructed: 72 AB–01–88M, RESURFACE 1988; STP–072–1(45), SHOULDER IMPROVEMENTS 2000

Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET #1 — 5.00 mi.

MANANA ST. 5.07 MI. · ALAHI ST. 5.12 MI. · PUOONE ST. 5.19 MI. · NAKANI ST. BEGIN DIVIDED 5.26 MI. · OLULU ST (R) 5.30 MI. · WAILEA ST (L) 5.35 MI. · ALAKOA ST. 5.43 MI. · ROADS TO WAIMANALO PARK 5.51 MI. · HULI ST. 5.61 MI. · END DIVIDED HWY 5.64 MI. · CULVERT 5.70 MI. · NALU ST. 5.74 MI. · BELL ST. 5.92 MI. · KAIONA BEACH PARK 6.16 MI. · CULVERT 6.38 MI. · KALANIANAOLE 6.63 MI. · MAKAI RESEARCH PIER (L) 7.20 MI. · BEGIN DIVIDED 7.32 MI. · END DIVIDED HWY 7.43 MI. · OCEANIC INSTITUTE RD. (R) 7.72 MI. · MAKAPUU BEACH ROAD 7.82 MI. · CULVERT 8.04 MI. · ENTRANCES TO SEA LIFE PARK 8.02 MI. · END DIVIDED HWY 8.10 MI. · RD. TO BEACH (L) 8.30 MI. · BEGIN DIVIDED 8.46 MI. · CULVERT 8.47 MI. · MAKAPUU LOOKOUT 8.54 MI. · Entr./Exit 8.57 MI. · Entr./Exit Only 8.65 MI. · MAKAPUU LIGHT HOUSE ROAD 8.73 MI. · END DIVIDED (176+15) · HIGHWAY · WAYAMALU STREAM BRIDGE 9.50 MI. · WAYAMALU GOLF COURSE RD. 9.46 MI. · WAYAMALU CANAL BRIDGE 9.75 MI. · BEGIN DIVIDED 9.96 MI. · SANDY BEACH PARK WAY 9.99 MI.

CONTINUED ON SHEET #3. — 10.00 mi.

Divided Highway

	5	6	7	8	9	10
Undivided						
Shoulder: Width and Type	12' GRASS (5.26–5.30); 16' AC (5.30–5.35); (0'–1' AC)	2' AC; 6' GRASS (6.32–6.40); 9' AC (6.40–6.42); 6' GRASS (6.89–6.98); 6' AC	4' AC (7.20–7.32); 2' AC (7.32–7.38); 5' AC (7.69–7.72); 7'–10' GRAVEL (8.18–8.28); 12'–20' AC (8.28–8.30); 0	9' AC (8.47–8.54); 6' AC (8.54–8.60); 5' AC (8.60–8.65); 6' AC	5' AC	(4' AC)
Pavement: Width and Type	21' AC (5.26–5.30); 22' AC (5.30–5.35)	12' AC	22' AC	12' AC (7.32–7.38); 1'–4' AC (7.38–7.43); 22' AC	1'–4' AC (8.18–8.30); 22' AC; 11' AC (8.46–8.54); 18' AC (8.54–8.60)	(5' AC BIKELANE) 24' AC; 28' AC (9.70–9.96)	(14' AC)
Shoulder: Width and Type	0	0	8'–16' GRAVEL (6.42–6.89); 14'–16' GRASS (6.89–7.69); 12' GRASS	0; 2' AC / 10' GRASS (7.69–7.72)	0; 2' CONC. GUTTER (8.31–8.46)	0; 5' AC	(0)
Median: Width and Type	10' PAINT (5.30–5.70)	0	0	12' PAINT (7.20–7.43); 10' PAINT (8.02–8.54)	4' PAINT (8.46–8.54); 4'–15' PAINT (8.54–8.73)	(0'–12' PAINT) (8.73–9.99)	
Undivided							
Shoulder: Width and Type	0		0	0	0		(0)
Pavement: Width and Type	12' AC		12' AC; 1'–4' AC (7.38–7.43)	1'–4' AC	11' AC		(14' AC)
Shoulder: Width and Type	(2'–11') 4' AC (5.25–5.50); 2' AC (5.50–5.64)		2' AC/ 12' GRASS; 2' AC/10' GRASS	5' AC	(2'–9') 5'–8' AC		(4' AC)
Number of Traffic Lanes	2–10.5' (5.25–5.35)	2–12' (5.35–5.64); 2–11' (5.64–6.89)	2–11' (6.89–7.38); 2–12' (7.38–7.69)	2–11' (7.69–8.42)	2–11' (8.42–8.60); 2–12' (8.60–9.70)	2–14' (9.70–9.96)	
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	12" T.Ls. (5.35–5.64); 11' 2-WAY (L) T.Ls. (5.64–6.89)		10' T.Ls. (7.28–7.37)	10' T.Ls. (7.69–8.07); ALL TLS 11' (8.47–8.85)		10' T.Ls. (9.97–9.96)	
(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 (5.72–6.16)	(6.89–7.27); (7.33–7.71)	(7.71–8.30); STONE WALL (8.30–8.13)	(8.48–9.78)		
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		LARGE URBANIZED		
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	FLAT		ROLLING	MOUNTAINOUS	FLAT (8.92–9.46)	FLAT	
Speed: 1–Design, 2–Posted	35 MPH (2)	45 MPH (2) (6.89–7.34)	35 MPH (2); 45 MPH (2) (7.34–7.70)	35 MPH (2)	45 MPH (2)		
Intersection Control Devices: Type, Location and Cycle Timing							
Traffic Station	B72 0072 00461; B72 0072 00526	B72 0072 00535	B72 0072 00743; B72 0072 00756; B72 0072 00771	B72 0072 00782; B72 0072 00804; B72 0072 00826	B72 0072 00855	B72 0072 00890	
HPMS Section	5.01–5.30		7.42–7.71	8.02–8.26; 8.48–8.55	8.56	9.72	
AADT (Year 2006)	16,500; 5.26; 17,100; 5.35	10,700	7.82	10,800; 8.04; 10,900	8.80	11,900	
DOD Sections		DOD 311			8.92	DOD 312	
Census Tracts							
Functional Classification			PRINCIPAL ARTERIAL (CONN. LINK)				
National Highway System (NHS)			NHS				
Previous Projects: Project No., Date and Limits							
						(STP–072–1(42), WIDENING 1996) 9.96	
			72AB–01–88M, RESURF., 1988		8.91 STP–072–1(40), 1993		
				8.41	HES–0300(23) 1985, SAFETY IMPROVEMENTS		
				8.26	LT–0–01–79M (R), 1979		
	COUNTY 5.30		72B–01–75M, 1975		8.92 F–6(16), 1950	9.67 SDR 1(1), 1946	

SCALE: (In Miles) 4" = 1 mile

Date Released	
JAN 05, D.B.	
Revised	
G.N.	5/06
D.B.	3/07

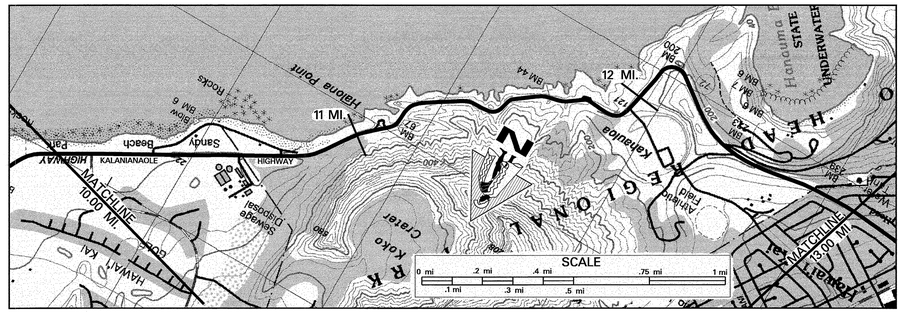
ROAD INVENTORY
OAHU RTE 72
KALANIANAOLE HWY

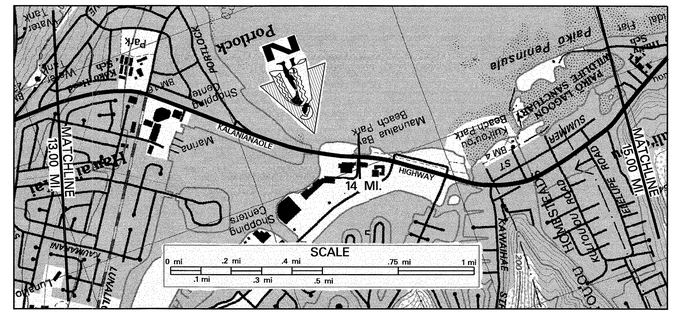
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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
*





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 (13.25) | 72 C (5.20 MI.)

Structure Carrying Road

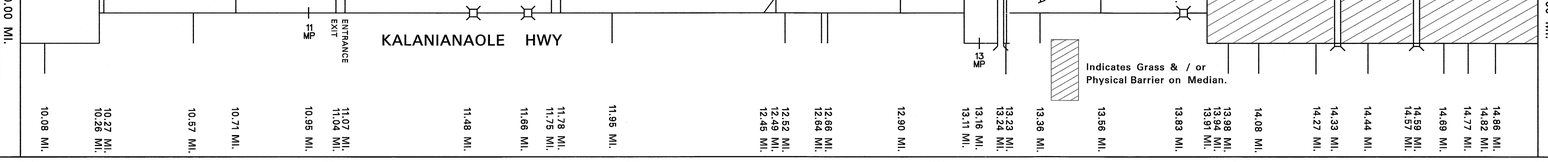
	10.26–10.97	11.06–11.78	12.41–12.49	13.24–13.28	13.93–14.34
Bridges (Over 20'): Length, Type, Capacity and Year Constructed	TEE BEAM 1931, H-15	CONC. MASONRY ARCH 1931, H-20		PED O.P. 1968	SLAB 1969, HS-20 / SLAB, 1971, H-15 / TEE BEAM, 1964 H10
Vertical Clearance	100' (11.48)	70' (11.66)			250' (13.82) / 109' (14.33) / 58' (14.69)
Horizontal Clearance	27'	25'		17' 10"	44' / 64' / 60'

Structure Over Road

	10.26–10.97	11.06–11.78	12.41–12.49	13.24–13.28	13.93–14.34
Vertical Clearance				60'	
Horizontal Clearance					

	10.26–10.71	10.71–10.97	10.97–12.49	12.49–13.28	13.28–13.93	13.93–14.34
Right of Way Width (min.–max.) if varies	60'–100'	100'	60'–100'			50'–165'
Available Right of Way Width (Needs Study)	BEACH (L), RESIDENTIAL (R)		RUGGED COASTLINE		RESIDENTIAL AREA	
Right of Way Fence: Type – Right and Left						
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-072-1(45) SHLD. IMPRV.2000) (10.05)		STP-072-1(41) RD. WAY IMPRV. 2000 (11.36–12.48)		72 BC-01-97M, RESURF 1998 (13.93)	
Project No., Type of Construction, and Year Constructed	STP-072-1(42) WIDENING 1996 (10.26)	STP-072-1(40), 1993 (R) (10.97–11.09)		72B-01-88M (R) 1988 (12.79–13.28)	7400A-01-81M RESURF, 1981 (13.28–13.48) HWY-0-01-83M, 1983 (R) (13.48–13.93)	NH-STP-072-1(35), WIDENING 1995

Road Diagram
* MP = Milepost Signage



SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided

	10.08–10.26	10.26–10.57	10.57–10.71	10.71–10.95	10.95–11.06	11.06–11.48	11.48–11.66	11.66–11.78	11.78–11.95	11.95–12.41	12.41–12.49	12.49–12.52	12.52–12.66	12.66–12.90	12.90–13.16	13.16–13.23	13.23–13.36	13.36–13.56	13.56–13.83	13.83–13.94	13.94–14.08	14.08–14.27	14.27–14.33	14.33–14.44	14.44–14.59	14.59–14.69	14.69–14.77	14.77–14.82	14.82–14.86
Shoulder: Width and Type	4' AC	2'–4' AC			6' AC		6' AC		0'	8' CORAL		0'	4' AC		8' CORAL	5' AC BIKE ROUTE				5' PCC BIKEWAY								
Pavement: Width and Type	14' AC	24' AC			22' AC										12' AC	36' AC		48' AC		22' AC		33' AC						
Shoulder: Width and Type	0'	2'–4' AC			0'							8'–10' CORAL	8'–10' CORAL	8' AC	0'	6'–8' AC BIKE ROUTE				2' AC								
Median: Width and Type	0'–12' PAINT														0'–12' PAINT					2'–14' RAISED MEDIAN (GRASS & TREES)								
Median Barriers: (= CONC. BARRIER; = M/M GUARDRAILS)																												
Shoulder: Width and Type	0'														0'					2' AC								
Pavement: Width and Type	14' AC														12' 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'		4–12'		2–11'		6–11'						
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	ALL TURN LANES 11'-12' UNLESS OTHERWISE NOTED															2–12'				3–11'								
(Right Side)	ALL TURN LANES 11'-12' UNLESS OTHERWISE NOTED																											
Frontage Road: No. of Lanes, and Width (Right and Left)	1–10' T.L.	1–14' T.L.																										
Sidewalk: Width and Type (Right and Left)		1–12' ACCEL. LN.																										
Curb and/or Gutter: Type (Right and Left)									CONC. CURB & GUTTER					CONC. CURB														
Protective Devices: Type, Location and Number	ALL GUARDRAILS METAL ON METAL UNLESS OTHERWISE NOTED																											
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														
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				(B72 0072 01073)													3 PHASE		3 PHASE		3 PHASE		2 PHASE		3 PHASE		2 PHASE	
Traffic Station	B72 0072 00890	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 01408	B72 0072 01419	B72 0072 01429		B72 0072 01444			
HPMS Section		10.16			10.76	11.04	11.14			12.00	12.11	12.31	12.33	12.64	12.72	12.94	13.06	13.81			14.13	14.20	14.43					
AADT (Year 2006)	11,900	10.08	8,900	10.73			9,700						12.49		11,000		13.28	33,000	14.08		49,000	50,700	66,600		69,600			
DOD Sections																												
Census Tracts					1.01				11.89					1.02					13.79			1.03		14.28	2			
Functional Classification														PRINCIPAL ARTERIAL (CONN. LINK)										14.28	OTHER FREEWAYS & EXPRESSWAYS			
National Highway System (NHS)														NHS														
Previous Projects: Project No., Date and Limits						11.06	7400A-01-82M, (R) 1982						12.81															
		STP-072-1(40), (R) 1993				11.09								12.79	72B-01-88M, (R) 1988			(7400A-01-81M, (R) 1981)				HWY-0-01-83M (R) 1983							
(STP-072-1(42), WIDENING 1996)		10.26		10.71			7400A-02-82, GUARDRAILS & SHOULDERS								72B-01-75M, 1975 13.17		13.27	13.46 T-9001(19), 1973										
		LT-0-01-79M, (R) 1979										12.38		B-72-01-61, 1961								(740A-01-70 (WIDEN) 1971) 14.22			14.44				
		SDR 1(1) 1946				11.06	F-6(16) 1950			12.32		FAP 6-D, 1937	12.63			13.26	FAP 258, 1937		13.69	72C-02-68, 1969 14.05	FAP 258, 1937 14.25		740-A-01-70, 1970		14.59	C-72-01-63, 1963		

SCALE: (In Miles) 4" = 1 mile

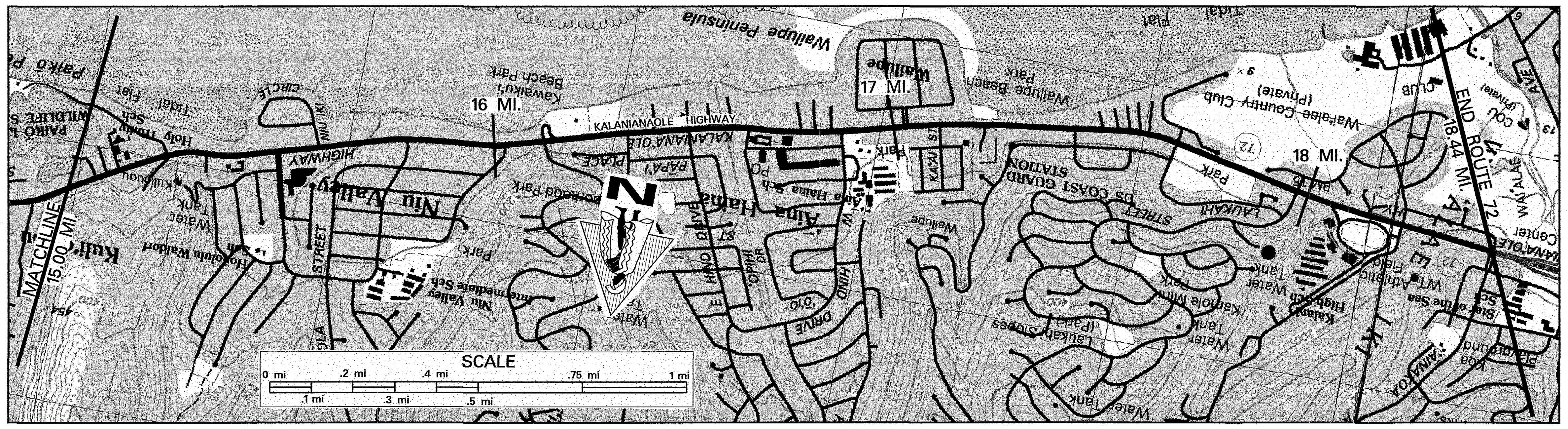
Date Released	
JAN. 05, D.B.	
Revised	
G.N.	5/06

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

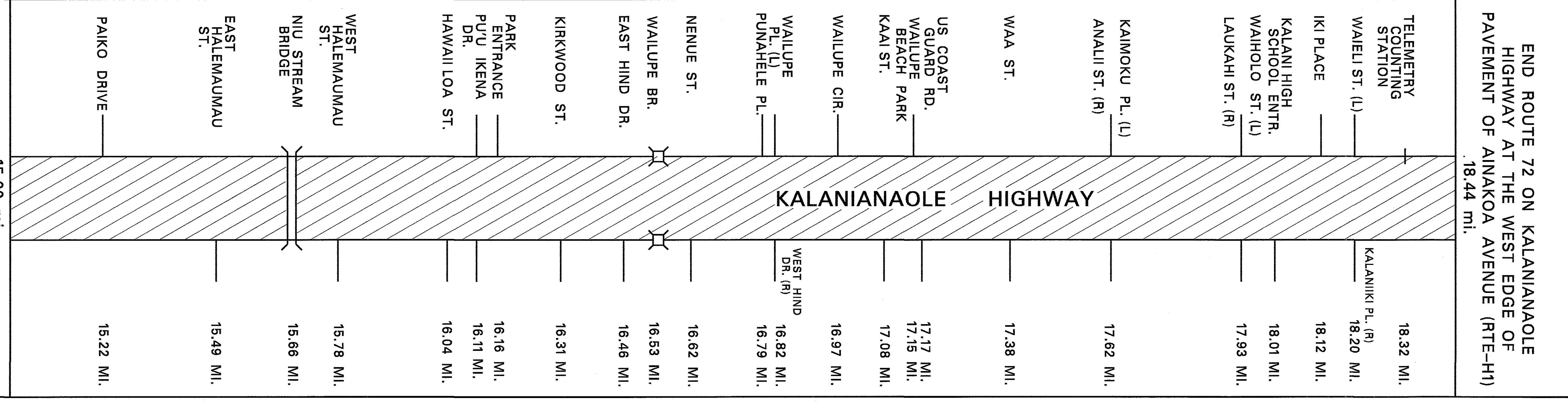
Item	15–20
Maintenance Control Sections: Length and Description	72 C (5.20 MI.)
Structure Carrying Road – Bridges (Over 20'): Length, Type, Capacity and Year Constructed	SLAB, 1993, HS-20-44 (15.66); 66' TEE BEAM, 1955, HS-20 / 60' TEE BEAM, 1930, H-15 (16.53)
Structure Carrying Road – Vertical Clearance	75' (15.66)
Structure Carrying Road – Horizontal Clearance	97' (15.66); 28' (OUTBOUND) / 36' (INBOUND) (16.53)
Structure Over Road – Vertical Clearance	
Structure Over Road – Horizontal Clearance	
Right of Way Width (min.–max.) if varies	50'–165' ; 16.24 ; 120' ; 17.22 ; 120'–135'
Available Right of Way Width (Needs Study)	RESIDENTIAL AREA
Right of Way Fence: Type – Right and Left	15.62 (CHAINLINK FENCE) 15.69; (CHAINLINK FENCE) 16.70; 16.80 TILE WALL 17.12; 17.25 CHAINLINK FENCE 17.50; TILE WALL; 17.76 TILE WALL 18.01 CHAINLINK FENCE 18.31; 17.84 TILE WALL
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	16.81 NH-072-1(47), RESURF., 2002
Project No., Type of Construction, and Year Constructed	NH-STP-072-1(35), WIDENING, 1995 ; 15.48 ; F-072-1(34)B, WIDEN & REALIGN, 1993 ; 16.47 ; 72C-01-87M, (R), 1987

▨ Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP=Milepost Signage

CONTINUED FROM SHEET #3.
15.00 mi.



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

Item	15–20
Divided Highway – Undivided – Shoulder: Width and Type	5' PCC BIKEWAY ; 5' PCC BIKELANE ; 6'–8' BIKEWAY
Divided Highway – Undivided – Pavement: Width and Type	(6'–23' RAISED SHRUBS) 33' AC
Divided Highway – Undivided – Shoulder: Width and Type	2' AC (6' SHRUBS) (6'–15' SHRUBS) ; 16.48 ; 0 (1'–12' GRASS) ; 16.92 ; 6' AC ; 18.41 ; (0)
Divided Highway – Median: Width and Type	2'–14' RAISED MEDIAN (GRASS & TREES) ; 15.49 ; 6'–17' RAISED SHRUBS ; 25' GRASS & TREES ; 11' GRASS & TREES ; (11' RAISED CONC.)
Divided Highway – Median Barriers: ═ = CONC. BARRIER; ├─┤ = M/M GUARDRAILS	15.06, 15.10, 15.17, 15.20, 15.28, 15.33, 15.40, 15.44, 15.98, 16.02, 16.16, 16.31, 16.80
Divided Highway – Shoulder: Width and Type	2' AC (6'–12' RAISED SHRUBS) ; 16.31 ; 0 ; 6' GRAVEL ; (0)
Divided Highway – Pavement: Width and Type	33' AC
Divided Highway – Shoulder: Width and Type	5' PCC BIKEWAY ; 5' PCC BIKELANE ; 6' AC BIKELANE ; 17.45 ; 6' AC ; 18.20 ; 5' AC BIKELANE
Number of Traffic Lanes	6–11'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	15.22, 15.28, 15.44, 15.64, 15.81, 15.90, 16.33, 16.35, 16.48, 16.51, 16.61, 16.64, 16.85, 16.88, 16.94, 16.99, 17.05, 17.08, 17.14, 17.34, 17.41, 17.45, 17.60, 17.74, 17.92, 17.97, 18.07, 18.18, 18.32
(Right Side)	15.16, 15.43, 15.49, 15.55, 15.59, 15.75, 16.42, 16.58, 16.98, 17.04, 17.61, 17.66, 18.04, 18.19, 18.22
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. ; 16.52 ; 16.67 ; 16.75 ; 16.81 16.83 16.85 ; 5' CONC. S.W. ; 17.01 ; 17.24 ; 17.61 17.64 ; 17.77 17.81 ; 17.93 17.95 17.97 ; 18.02 18.08 ; 18.19 18.22 ; 18.42 ; ALL 5' CONC. S.W. 6' CONC. S.W. ; 5' CONC. S.W. ; 5' AC ; 5' CONC. S.W.
Curb and/or Gutter: Type (Right and Left)	AC CURB ; AC CURB ; CONC. CURB & AC GUTTER
Protective Devices: Type, Location and Number — ALL GUARDRAILS METAL ON METAL	15.32, 15.46, 16.28, 16.33, 16.40, 16.52, 16.55, 16.57, 16.67, 18.24
Illumination: Type, Location and Number	HIGH PRESSURE SODIUM ; 15.48 ; SODIUM VAPOR ; 16.81 ; MERCURY VAPOR ; 18.42
Curves: Degree of Curvature (Right and Left)	
Grades: % Grade, Positive or Negative	
HOV Lanes/Contra-Flow Lanes	15.78 CONTRA-FLOW HOV, MORNING 5:00-8:30 AM
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	LARGE URBANIZED
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	15.08, 15.22 3 PHASE, 15.49, 15.81, 16.48, 16.62, 16.85, 17.00, 3 PHASE 17.62, 17.97, 18.28
Traffic Station	B72 0072 01444 ; B72 0072 01549 ; B72 0072 01682
HPMS Section	15.30 ; 16.37 ; 18.26
AADT (Year 2006)	69,600 ; 15.49 ; 64,700 ; 16.82 ; 77,700 ; 18.44
DOD Sections	
Census Tracts	2 ; 15.70 ; 16.08 ; 3 ; 17.17 ; 5 ; 4.01 ; 18.04 ; 4.02
Functional Classification	OTHER FREEWAYS & EXPRESSWAYS
National Highway System (NHS)	NHS
Previous Projects: Project No., Date and Limits	16.31 ; 72C-01-79M, RESURFACE, 1980 HWY-0-01-83M (R) 1983 ; 16.24 ; 72C-01-87M, (R), 1987 (72C-01-75M, (R), 1975) 16.17 ; 16.31 ; 16.33 ; T-9001-(18), 1973 ; 16.85 ; 72 B-03-68 UNIT 2, 1970, (WIDENING) ; 17.96 ; 72B-03-68 UNIT 1, 1969 C-72-01-63, 1963 ; 16.03 ; WDRC 4 (1), 1946 ; 16.27 ; F6 (18), 1956 ; 17.24 ; F 6 (17), 1954

SCALE: (In Miles) 4" = 1 mile

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

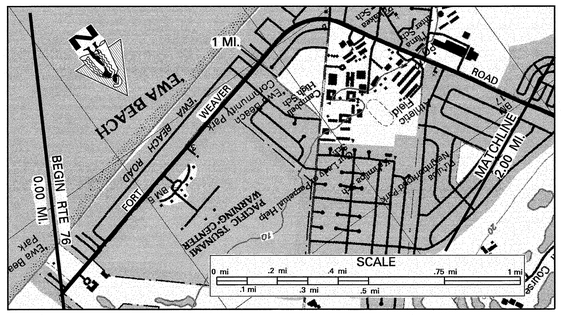
Total Route Length: 6.64 miles

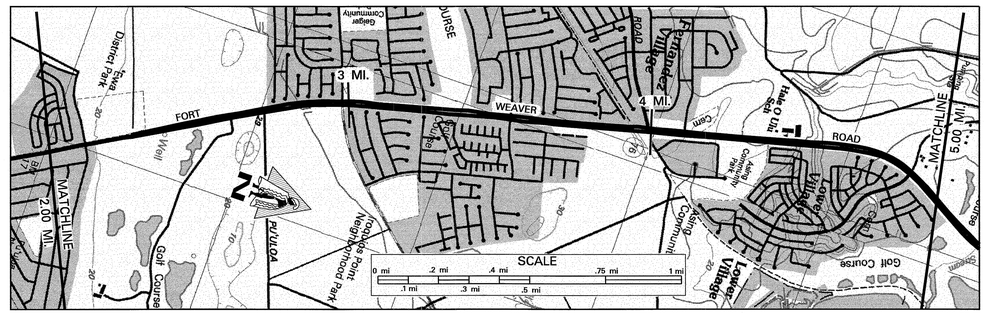
a. Survey Length: 6.64 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*





SCALE: (In Miles) 4" = 1 mile

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) 0.99 | CULVERT (STR) 1936 E9-H-15 1.84 | PRESTRESSED CONCRETE HS 20-44 4.36
- Vertical Clearance: 24' | 102'
- Horizontal Clearance: 30' | 42' INBOUND 42' OUTBOUND

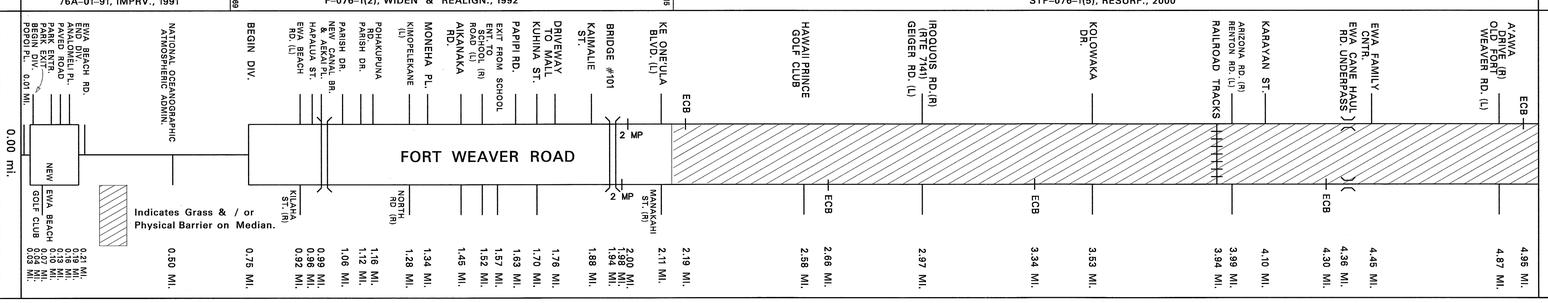
Structure Over Road

- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.-max.) if varies	50' – 60' (1.45) 60' (2.15) 160' (3.82) 170'
Available Right of Way Width (Needs Study)	RESIDENTIAL (1.83) RES (R), SUGAR (L) (2.15) CLEAR 1000' SUGAR CANE 40' FP
Right of Way Fence: Type – Right and Left (CL = CHAIN LINK, FP = FROM PAVEMENT)	0.00 (CL 15' FP) 0.26 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 (0.99) F-076-1(2), WIDEN & REALIGN., 1992 (2.15) STP-076-1(5), RESURF., 2000
Project No., Type of Construction, and Year Constructed	

Road Diagram

* MP=Milepost Signage



SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided

- Shoulder: Width and Type: 10' CORAL & GRASS, 4' AC BIKE ROUTE | 10' AC (0.82) 8' AC, 6' AC BIKE ROUTE | 10' AC
- Pavement: Width and Type: (22' AC) 11' AC | 22' AC (0.89) | TAPER 11'-22' 22' AC | 24' AC
- Shoulder: Width and Type: (4' AC BIKE ROUTE) (10' CORAL & GRASS) 0 | 4' AC BIKE ROUTE, 10' CORAL & GRASS (10' AC) | 0 | 4' AC

Divided Highway – Divided

- Median: Width and Type: 11' PAINT (0.18) (0.75) | 11' PAINT (FLUSH) (2.15) | 28' TREES AND SHRUBS
- Median Barriers:
- 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 (0.87) 6' AC BIKE ROUTE, 8' AC | 10' AC

Number of Traffic Lanes	(0.08) 2–11' (0.92) 4–11' (2.25) 4–12' (3.67) (3.82) (3.99) (4.04) (4.10) (4.17) (4.41) (4.53) (4.87) (4.99)
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) (Right Side) (ALL AUX. LANES ARE 12' UNLESS OTHERWISE INDICATED)	(2.11) (2.26) (2.77) (2.97) (3.12) (3.43) (3.53) (3.63) (3.87) 10' AC (3.99) (4.38) (4.41) (4.45) (4.75) (4.91) (2.42) (3.18) (3.40)
Frontage Road: No. of Lanes, and Width (Right and Left)	(2.15) 8' AC BIKEWAY (R)
Sidewalk: Width and Type (Right and Left)	(1.30) 4' RAISED AC (1.69) (4.38)
Curb and/or Gutter: Type (Right and Left)	(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 (2.05) 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
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	(1) FLAT
Speed: 1–Design, 2–Posted	35 MPH (2) (1.12) (1.06) 25 MPH (2) (2.29) 35 MPH (2) 45 MPH (2) (2.44) 45 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	TRAFFIC LIGHT (1.28) TRAFFIC LIGHT (1.45) TRAFFIC LIGHT (1.70) TRAFFIC LIGHT (2.11) (2.27) TRAFFIC LIGHT 3 PHASE (2.97) TRAFFIC LIGHT 3 PHASE (3.63) (3.99) TRAFFIC LIGHT 3 PHASE
Traffic Station	B72 0076 00000 (0.49) B72 0076 00082 (1.02) B72 0076 00128 (1.96) B72 0076 00211 (2.17) B72 0076 00219 (2.66) B72 0076 00297 (3.34) B72 0076 00353 (3.63) B72 0076 00363 (3.77) B72 0076 00399 (4.10) B72 0076 00410 (4.30) B72 0076 00431 (4.31) (4.39) B72 0076 00439 B72 0076 00475
HPMS Section	
AADT (Year 2006)	2,500 (0.82) 6,600 (1.28) 24,900 (2.11) 38,700 (2.19) 38,700 (2.97) 43,300 (3.63) 61,100 (3.99) 65,200 (4.75) 55,800 (5.00)
DOD Sections	DOD 395 (2.97) DOD 400
Census Tracts	83 (1.83) 84 (3.94) 86.02
Functional Classification	MINOR ARTERIAL (2.11) PRINCIPLE ARTERIAL (3.99) FREEWAY & EXPRESSWAY
National Highway System (NHS)	
Previous Projects: Project No., Date and Limits	(2.16) F-076-1(1), WIDEN & REALIGNMENT, 1987; (1.26) 7600A-01-83M, (R), 1983; 760B-02-71 1971; (2.78) 760AB-02-72, 1972 (3.17); (3.81) 7600B-01-82, 1983, (CONST.); (3.82) 760-AB-01-72 (4.07) 760B-02-71, 1971; (4.61) M-7600(2), 1982, (CONST.)

SCALE: (In Miles) 4" = 1 mile

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

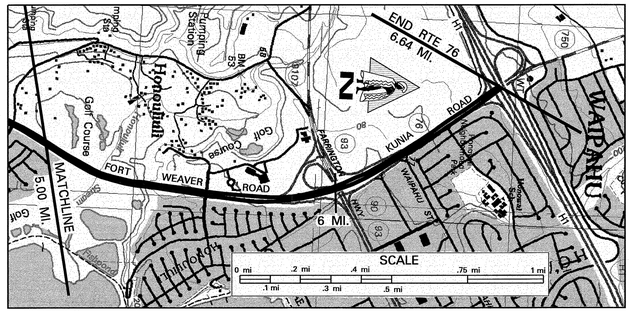
Total Route Length: 6.64 miles

a. Survey Length: 6.64 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*

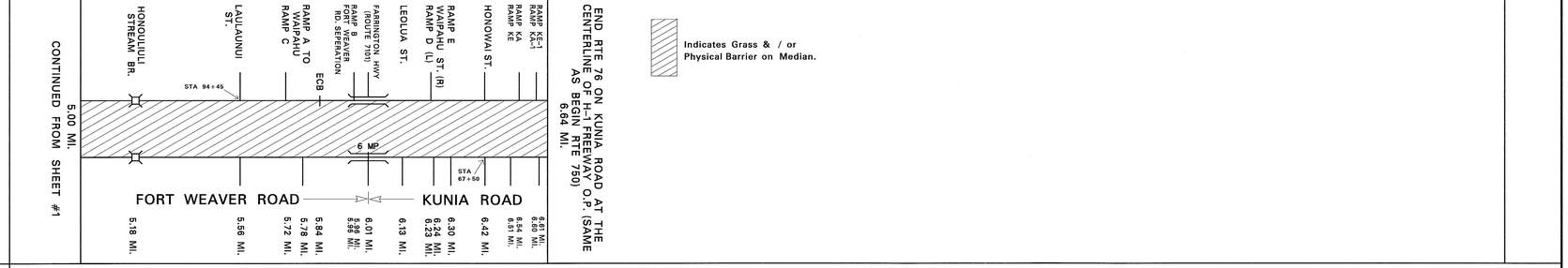


SCALE: (In Miles) 4" = 1 mile

	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' (5.18) | 42' INBOUND | 42' OUTBOUND	PRESTRESSED CONC. HS 20-44 | 270' (5.95) | 42' INBOUND | 54' OUTBOUND				
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	(170') 5.02 170'–340' 5.27	200'–1000' 6.07	170'–1500' 6.27	170'		
Available Right of Way Width (Needs Study)	CLEAR 1000' SUGAR CANE 40' FROM PAVEMENT 5.95		RES. (R), SUGAR (L)			
Right of Way Fence: Type – Right and Left	PARTIAL					
Control of Access: 1–None, 2–Partial, 3–Full	STATE					
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	STA 123+95 5.34 CMAQ-076-1(8) Widening, 2005	5.80 STA 94+45	6.24 STA 76+50 HWY-0-01-04 Improv 2005			
Project No., Type of Construction, and Year Constructed	STP-076-1(5), (RESURF.), 2000 5.64	STP-076-1(13), (RESURF.), 2000 6.05	IM-H1-1(219), (IMPRV.) SEE ALSO H-1 & RTE 750, 2000			

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 4" = 1 mile

	5	6	7	8	9	10
Divided Highway – Undivided – Shoulder: Width and Type	10' AC	12' CONC. 10' AC				
Divided Highway – Undivided – Pavement: Width and Type	24' AC 5.34 36' AC 5.90 24' AC	24' CONC. 24' AC 6.27 36' AC				
Divided Highway – Undivided – Shoulder: Width and Type	4' AC	8' CONC. 12' AC 6.56 6' AC				
Divided Highway – Median: Width and Type	28' TREES & SHRUBS (2' CONC. BARRIER) 5.98	6.03 CONC. BARRIER				
Divided Highway – Median Barriers:						
Divided Highway – Shoulder: Width and Type	4' AC	6' CONC. 10' AC				
Divided Highway – Pavement: Width and Type	24' AC 5.34 36' AC 5.76 24' AC	24' CONC. 24' AC 5.95 36' AC 6.42 24' AC				
Divided Highway – Shoulder: Width and Type	10' AC	12' CONC. 10' AC 6.37 6.50 20' AC				
Number of Traffic Lanes	4–12' 5.34 3 – 12' 5.90	2 – 12' 3 – 12' 2 – 12'				
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	ALL AUX. LANES ARE 12' UNLESS OTHERWISE INDICATED					
(Right Side)	A = ACCEL. D = DECEL. 5.34 5.47 5.59 5.70 5.76 5.72 5.78 5.98 D 6.08 6.26 6.31 6.49 6.51 6.64 A-D 2 TL's 1-12' TL					
Frontage Road: No. of Lanes, and Width (Right and Left)	5' BIKE LANE					
Sidewalk: Width and Type (Right and Left)	8' AC BIKEWAY (R) 5' BIKE LANE 5.56 5.23	8' AC BIKEWAY (R) 5.98 6.03 6.24 10' CONC.SW				
Curb and/or Gutter: Type (Right and Left)	(4' CONC. GUTTER) (8' CONC. GUTTER) M/M 4' CONC. GUTTER 8' CONC. GUTTER M/M 5.92	4' CONC. GUTTER 8' CONC. GUTTER				
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					
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	SR 3 PHASE TRAFFIC LIGHTS	6.45 | 2 PHASE				
Traffic Station	B72 0076 00500 B72 0076 00512 B72 0076 00524	B72 0076 00592 B72 0076 00601	B72 0076 00627 B72 0076 00654			
HPMS Section	5.00 5.12 5.18 5.66	6.01 6.03	6.43 6.55			
AADT (Year 2006)	55,800 5.34 61,400	5.92 50,500 6.27	80,700 6.52 (34,200) 6.64			
DOD Sections	DOD 400	6.01 DOD 180				
Census Tracts	86.02					
Functional Classification	FREEWAY & EXPRESSWAY					
National Highway System (NHS)						
Previous Projects: Project No., Date and Limits	5.67 STP-076-1(3), (RESURF), 1994 M-7600(2), (CONST.), 1982 5.91 M-7600(1), (CONST.), 1982					

SCALE: (In Miles) 4" = 1 mile

Date Released	
FEB 05, DB	
Revised	
G.N.	5/06

ROAD INVENTORY
OAHU RTE 78
MOANALUA FREEWAY

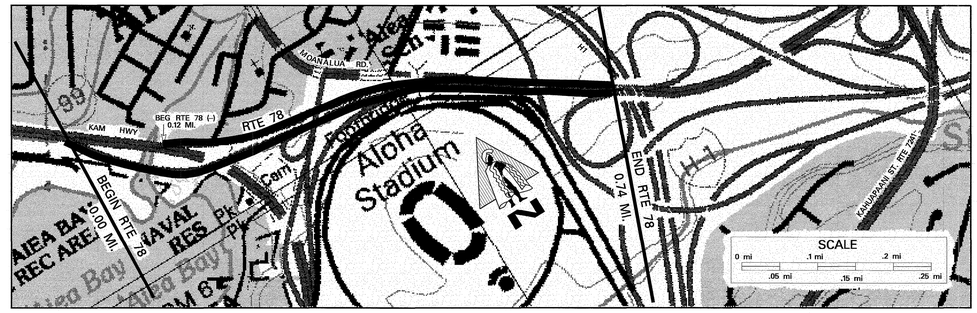
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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'
- PRESTRESSED BEAM, 1965 HS 20, 194'
- PEDESTRIAN, 1966, 148'
- P/S GDR, 1974, HS 20, 1852'

Vertical Clearance
- 0.02
- 0.34
- 0.49
- 0.65

Horizontal Clearance
- 44'

Structure Over Road

Vertical Clearance
- 16' 08"
- 16' 03"
- 16' 05"

Horizontal Clearance
- 50'
- 54'
- 78'

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 – 0.38: CHAINLINK 30' FROM PAVEMENT
- 0.45 – 0.65: CHAINLINK 20' FROM PAVEMENT

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

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

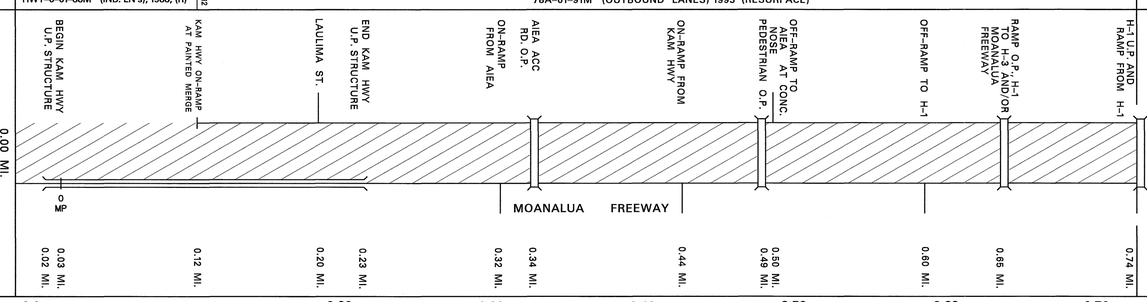
Project No., Type of Construction, and Year Constructed

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)

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
- 10' AC (0.58 – 0.74)

Pavement: Width and Type
- 24' AC
- 36' AC

Shoulder: Width and Type
- NONE (2' CONC. GUTTER)
- 8' AC

Median: Width and Type
- INTERCHANGE
- 10' GRAVEL
- 20' GRAVEL, GRASS, HEDGE
- 8' TWIN CONC. BARRIER WITH DIRT FILL

Median Barriers:

Shoulder: Width and Type
- NONE (0.02 – 0.23)
- 2' CONC. GUTTER (0.23 – 0.61)
- 8' AC

Pavement: Width and Type
- 24' AC
- 36' AC (0.32 – 0.61)
- 24' AC

Shoulder: Width and Type
- NONE (0.02 – 0.23)
- 2' CONC. GUTTER (0.23 – 0.61)
- 7' AC

Number of Traffic Lanes
- 2-12'
- 2-12' (0.32 – 0.58)
- 3-12' (0.32 – 0.61)
- 3-12' (0.58 – 0.74)
- 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)
- 5' CONC. (0.11 – 0.23)
- 5' AC (0.23 – 0.36)

Curb and/or Gutter: Type (Right and Left)
- 0.01 – 0.11
- 0.31 – 0.36

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

Terrain: 1–Flat, 2–Rolling, 3–Mountainous
- (2) ROLLING

Speed: 1–Design, 2–Posted
- 35 MPH (2)
- 50 MPH (2) (0.65 – 0.74)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station
- B72 0078 00000
- B72 0078 00032 (0.27)
- B72 0078 00061 (0.48)

HPMS Section
- 0.65

AADT (Year 2006)
- 37,200
- 52,200 (0.32 – 0.61)
- 36,800 (0.61 – 0.74)

DOD Sections
- DOD 220
- DOD 225 (0.00 – 0.74)

Census Tracts
- 77.01
- 76 (0.34 – 0.74)

Functional Classification
- FREEWAY & EXPRESSWAY

National Highway System (NHS)

Previous Projects: Project No., Date and Limits
- 78A-01-90M, (R), 1988 (0.21 – 0.74)
- HWY-0-01-88M, (R), INBOUND LANES, 1988 (0.01 – 0.74)
- FR-078-1(123), 1981, (R) (0.10 – 0.57)
- F-FR-078-1(25), 1985, (R) (0.57 – 0.74)
- SU-072(6), 1964, (OUTBOUND) (0.10 – 0.56)
- (I-H1-1(88);13, 1971) (0.56 – 0.59)
- F-090-1(10), 1964 (INB) (109 + 09.58 – 121 + 00)
- SU-072(6), 1964, (INBOUND) (0.21 – 0.59) (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.

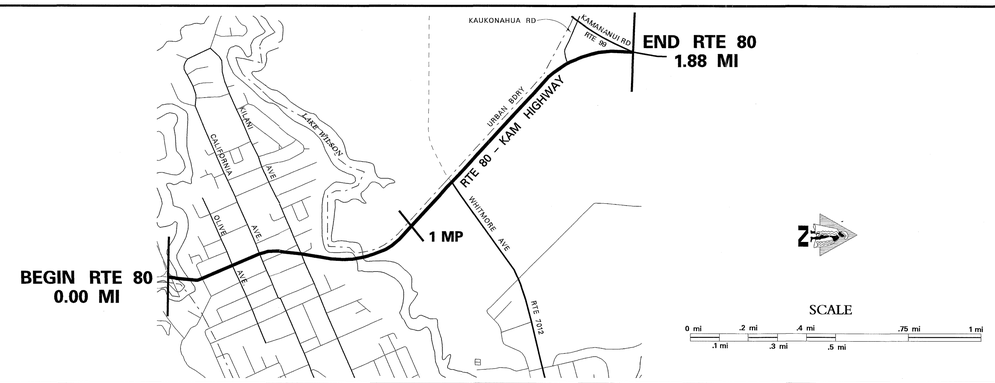
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Maintenance Control Sections : Length and Description: BEG 80A same as BEG Route; 80A (1.88 mi.); END 80A SAME AS END ROUTE (1.88)

Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed: PRESTRESSED GIRDERS & TEES; HS-20- 44, 1982, 375'; STT H20 1932 214'

Structure Carrying Road — Vertical Clearance: 14'11"

Structure Carrying Road — Horizontal Clearance: 102'; 24'

Structure Over Road — Vertical Clearance: 0.01

Structure Over Road — Horizontal Clearance:

Right of Way Width (min.–max.) if varies: 120'; 0.02; 80'; 0.57; 50' – 80'; 0.86; 50' – 90'; 1.66; 65' – 70'; 1.77; 60'

Available Right of Way Width (Needs Study): RESIDENTIAL/COMM.; 0.65; TREES; 0.89; 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; (194+41) 0.95; 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 WILIKINA DR. (RTE 99) 0.00 MI.

Wilson Bridge; Ohai St. (L) Avocado St. (R); Olive Ave. (87+45); California Ave.; Maelo St.; Kilani Ave.; Hiwi Place; End Divided Hwy.; Kaukonahua Br. (Karsten Thot Br.); KAMEHAMEHA; Beg. Div. Hwy.; 1 MP (post only); Whitmore Ave. (Rte 7012); End Div. Hwy; Culvert; HWY; Beg. Div. Hwy.; Kaukonahua Rd. (1.60 mi.); End Div. Hwy.; Kamananui Rd.

0.01 mi. 0.11 mi. 0.22 mi. 0.33 mi. 0.41 mi. 0.47 mi. 0.51 mi. 0.55 mi. 0.65 mi. 0.89 mi. 1.02 mi. 1.10 mi. 1.29 mi. 1.37 mi. 1.57 mi. 1.65 mi. 1.74 mi. 1.78 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

Divided Highway — Undivided — Shoulder: Width and Type: 0; 0.51; 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; 0.06; 12' PAINT; 0.55; 0.89; 0'–12' AC PAINTED MEDIAN; 1.29; 6'-4" AC (PAINTED); FLUSH w/ AC ROLL CURB; 1.57; 1.59; 1'-6" AC; 1.65; 4'-7" AC; 1.74; 6'-5" 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; 0.33; 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; 0.41; 0.52; 0.55; 1.06; 1.15

(Right Side): 2-WAY LEFT TURN LN.; 0.14; 0.17; 0.22; 8' PARK; 0.49; (PARKING DURING OFF-PEAK HRS. ONLY.); 0.69; 12'; 1.04; 1.10; 1.39; 11'; 1.66

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

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; 0.48; 0.61; 0.69; HPS LAMPS; 1.10; MV LAMPS; 1.25; 1.66; MV LAMPS; 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

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 Station: B72 0080 00000; B72 0080 00008; B72 0080 00011; B72 0080 00033; B72 0080 00047; B72 0080 00073; B72 0080 00089; B72 0080 00110; B72 0080 00129; B72 0080 00157; B72 0080 00176

HPMS Section: 0.02; 0.11; 0.27; 0.38; 0.73; 0.89; 1.01; 1.29; 1.44; 1.76; 1.82

AADT (Year 2006): 43,300; 0.08; 37,100; 0.33; 23,200; 0.47; 23,300; 1.10; 15,000; 1.57; 14,000; 1.88

DOD Sections: DOD 385; 1.10; DOD 390

Census Tracts: CT 94; CT 93; 0.66; CT 91

Functional Classification: 0.02; PRINCIPAL ART. (CONN. LINK); 1.10; PRINCIPAL ARTERIAL

National Highway System (NHS): NHS

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

70+93 0.06 (DA-WR-8(3), 1949); 0.11; F-F-080-1(5), 1982 (WIDENING); 0.58; 99+99.70; 0.56; 109+46.85; 115+32; 116+00; 137+00; 136+39; 1.56; 151+75; 9+90.33; 1.77; 17+25

FAP 7–D, 1933; 0.33; 8-80-01-65, 1966; FAP 7–8, 1931; 0.74; FAP 7–P, 1932; 0.86; 80B-02-68, 1968; 1.25; FAP 7–D, 1932; F-80-1(2), 1968; NRS 21-A, 1935

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–O, 1933; 1.63; F-80 1(2), 1969; 1.77; FAP 7–0, 1933

SCALE: (In Miles) 10" = 1 mile

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.

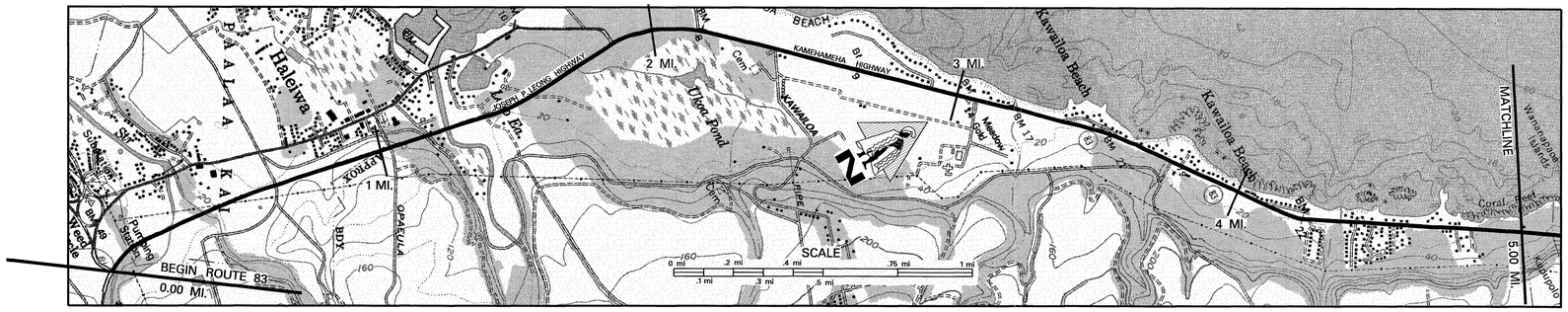
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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 _____



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description: 83A (2.11 mi.); 83B (11.97 mi.)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: Prestressed Concrete Girder — 1995 1195' (0.08); 1995 126' (0.36); 1995, HS29 134' (0.75); 1995, HS29 230' (1.21); 1995, HS29 244' (1.68); Slab, 1937 H15 70' (3.23, 3.77); TBM 1929, HS-20-44 25' (4.40)

Vertical Clearance: 44' (0.08); 44' (0.36); 44' (0.75); 44' (1.21); 44' (1.68); 24' (3.23, 3.77); 33'-8" (4.40)

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.-max.) if varies: 120' – 250'; 60' (2.21–4.30); 50' (4.30–4.84)

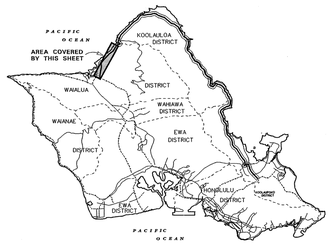
Available Right of Way Width (Needs Study): Pasture (0.00–2.21); Trees (2.21–2.84); Residential (2.84–3.39); Bushes & Trees – Houses (L) (3.39–4.30); Residential (4.30–4.84); Bushes & Trees (4.84–5.00)

Right of Way Fence: Type – Right and Left (FP=From Edge of Pavement, W/W=Wire on Wood): 20' FP W/W (2.21–2.40); 20' FP W/W (3.10–3.21); 15' FP W/W (4.21–4.30)

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: F-083-1(24) & 83A-01-92 (Haleiwa Bypass), 1994 (0.00–2.09); 83B-01-97M Resurface, 1997 (2.09–5.00)



Road Diagram

* MP=Milepost Signage

Begin Route 83 at the Centerline Intersection of Kamehameha Hwy., Kaukonahua Road and the Joseph P. Leong Highway. 0.00 mi.

Begin Haleiwa Stream Viaduct (0.08 mi.); End Divided Hwy. (0.16 mi.); End Viaduct (0.31 mi.); Opaelua Uka Str. Br. (0.36 mi.); Paved Road (0.62 mi.); Beg. Divided Hwy. (0.75 mi.); Wailua Cane Haul Rd. O.P. (0.81 mi.); Emerson Rd. (1.00 mi.); End Divided Hwy. (1.17 mi.); Anahulu Uka River Br. (1.21 mi.); Rd. to Gov't. Property (1.36 mi.); Paved Rd. (1.57 mi.); Ukoa Pond Br. (1.68 mi.); Beg. Divided Hwy. (1.79 mi.); Kamehameha Hwy. (1.86 mi.); End Divided Hwy. (1.94 mi.); Paved Rd. (2.14 mi.); Kawailoa Drive (2.41 mi.); Papailoa Dr. (3.86 mi.); Aluvion Inc. (2.95 mi.); Lauhulu Br. (3.09 mi.); Pohakuloa Way (3.23 mi.); Pohakuloa Way (3.38 mi.); Bridge (3.58 mi.); Paved Rd. (3.77 mi.); Kawailoa Br. (4.15 mi.); Ikuwai Place (4.40 mi.); Punalau Place (4.45 mi.); 4.50 mi.

JOSEPH P. LEONG HWY. — KAMEHAMEHA HIGHWAY — 3 MP

CONTINUED ON SHEET #2.

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type: 8' AC; 10' AC; 4' AC; 2' AC (2.24–2.34); 4' AC; 4' GRS. (4.84–4.85); 5' AC (4.85–5.00)

Pavement: Width and Type: 12' AC; 12' PCC; 24' AC; 12' AC; 24' AC; 12' AC; 24' AC; 22' AC (2.11–4.84)

Shoulder: Width and Type: 0; 10' AC; 0; 10' AC; 0; 10' AC; 4' AC; 5' AC (4.85–5.00)

Divided Highway – Divided

Median: Width and Type: 12' AC; (12' PCC); 16' AC Paint; 6' AC Paint; 10' AC Paint

Median Barriers: (.08–0.16); (0.81–1.00); (1.17–1.79); (1.84–)

Shoulder: Width and Type: 0; 0; 0

Pavement: Width and Type: 12' AC; 12' PCC; 12' AC; 12' AC

Shoulder: Width and Type: 10' AC; 10' AC; 10' AC

Number of Traffic Lanes: 2–12'; 2–11' (2.11–)

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 12' T.Ls. (0.13–0.36); 12' T.Ls. (1.00–1.17); 12' T.Ls. (1.72–2.00)

(Right Side): 10' T.Ls. (0.81–1.19); (2.00–2.24)

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: MV (4.80–)

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

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Flat; (Mountainous) (4.00–4.80)

Speed: 1–Design, 2–Posted: 35 MPH (1) (0.23–0.28); 45 MPH (1) (0.77–0.83); 35 MPH (1) (1.70–2.11); 45 MPH (1) (3.11–4.00); 35 MPH (2); 35 MPH (2) / 45 MPH (2) (3.97–)

Intersection Control Devices: Type, Location and Cycle Timing: 3 Phase (1.60)

Traffic Station: B72 0083 00000; B72 0083 00008; B72 0083 00030; B72 0083 00081; B72 0083 00117; B72 0083 00186; B72 0083 00208

HPMS Section: (0.08–0.30); (0.81–1.17); (1.21–2.28); (3.95–)

AADT (Year 2006): 10,300; 1.86; 17,500

DOD Sections: DOD 340 (2.21–)

Census Tracts

Functional Classification: Principal Arterial

National Highway System (NHS): NHS

Previous Projects: Project No., Date and Limits: F-083-1(19) Unit 1, (R) 1985 (3.54); F-083-1(20) Unit 2, (R) 1985 (4.55); 83B-01-87M, (R) 1987 (4.84); WDR 3(1) 1949 (2.10); F-083-1(24) (Structures) & 83A-01-92 (Roadway), (Haleiwa Bypass) 1994; FAP 3-D, (Part of project on old alignment) 1937 (4.33, 212+98 / 61+00); FAP 3-A, 1928

SCALE: (In Miles) 4" = 1 mile

Date Released	
Jan 2003,	DB
Revised	
Apr 04	D.B.
Aug. 04	D.B.
5/06	G.N.

ROAD INVENTORY

OAHU RTE 83
KAMEHAMEHA HIGHWAY

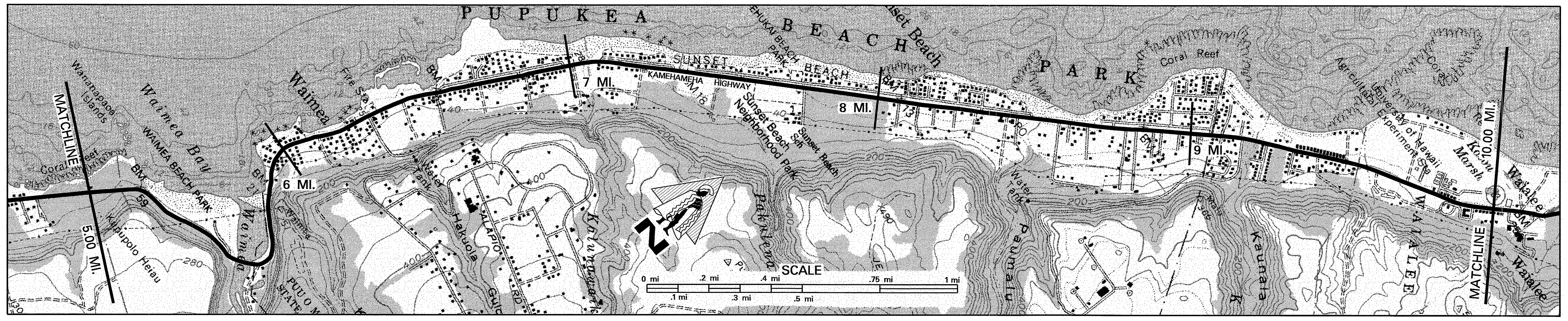
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

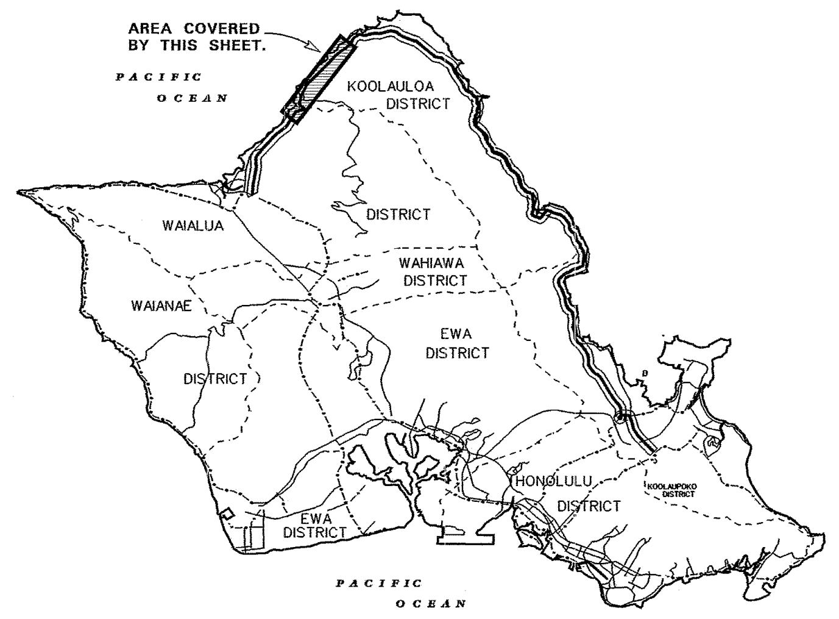
Total Designated Route Length: 43.92 MILES (a+b)
a. Existing Length: 43.92 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 43.92 MILES (a+b, less c)
a. Existing Length: 43.92 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: 0.00 MILES (–)

NEEDS STUDY ROUTE NO. ______ FUNCTIONAL CLASSIFICATION ______



SCALE: (In Miles) 4" = 1 mile — 5 · 6 · 7 · 8 · 9 · 10

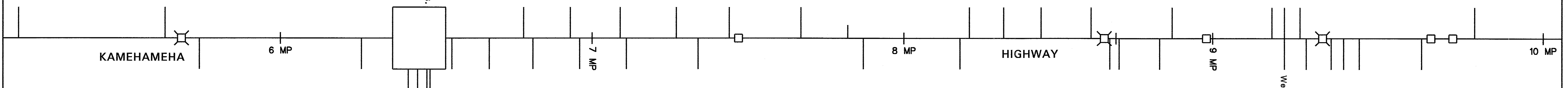
Item	Entries along route (mile breakpoints as printed)
Maintenance Control Sections : Length and Description	83B (11.97 mi.)
Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed	TBM 1930, H15, 268' (5.56) Slab 1930, H15, 90' (8.52) TBM 1929, H15, 32' (9.22)
Vertical Clearance	
Horizontal Clearance	24' (5.56) 23' (8.52) 24' (9.22)
Structure Over Road — Vertical Clearance	
Horizontal Clearance	
Right of Way Width (min.–max.) if varies	50'
Available Right of Way Width (Needs Study)	Bushes & Trees 5.98 Residential 7.24 Bushes & Trees 9.59 .66 .74 1000' Clear Pasture 9.96 (Residential)
Right of Way Fence: Type – Right and Left CL=Chain Link W/W=Wire on Wood FP=From Edge of Pavement	10' FP: 7.62 C.L. 7.78, 7.90 W/W 8.00, 8.08 C.L. 8.26 9.02 W/W 9.09 15' FP 15' FP 9.35 C.L. 9.42 9.59 W/W 9.71; .66 C.L. .74; 9.75 C.L. 9.84; 9.87 20' 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
Project No., Type of Construction, and Year Constructed	6.25 83B–01–98, 2001 Inter. Imp. 6.44
Project No., Type of Construction, and Year Constructed	83B–01–97M Resurface 1997 5.66 STP–083–1(45), 2000 Rockfall Remediation 5.90 83B–01–88M Resurface 1988 9.34 FR–083–1(18), (R) 1983



Road Diagram

* MP=Milepost Signage

CONTINUED FROM SHEET #1. 5.00 mi.



Feature	Mile
Ili' Ohu Place	5.05 mi.
Waimea Bridge Waimea Beach Park Road	5.56 mi. 5.52 mi.
Waimea Valley Adventure Park	5.63 mi.
6 MP	5.89 mi.
Kapuhi Street	6.15 mi.
Beg. Divided Hwy. Kapaoa Place Pupukea Road Shopping Cntr. Rds.	6.25 mi. 6.30 mi. 6.33 mi. 6.36 mi. 6.37 mi.
End Divided Hwy. Pahoe Road	6.42 mi. 6.44 mi.
Puula Road	6.56 mi.
Ke Iki Road Kumupali Road	6.67 mi. 6.70 mi.
Ke Iki Road Hakuola Road	6.82 mi. 6.85 mi.
7 MP	6.89 mi.
Ke Iki Road Kahae Road	6.98 mi. 7.00 mi.
Ke Waena Road	7.16 mi.
Pukea Road	7.23 mi.
Ke Waena Road Culvert	7.33 mi. 7.36 mi.
Ke Nui Road	7.56 mi.
Ehukai Beach Park Sunset Beach Elem. School	7.71 mi. 7.76 mi.
8 MP	7.89 mi.
Barros Road Ke Nui Road	8.07 mi. 8.10 mi.
Ke Nui Road	8.21 mi.
Ke Nui Road	8.33 mi.
Ke Nui Road Paumalu Bridge Paumalu Place Sunset Beach (@ Lifeguard Stand) Paumalu Place	8.49 mi. 8.52 mi. 8.55 mi. 8.57 mi. 8.58 mi.
Parking Lot Restrooms & Hoalua Street	8.71 mi. 8.75 mi.
9 MP Culvert	8.86 mi. 8.88 mi.
Oopuola Street	9.07 mi.
Kapu' ai Place	9.11 mi.
Maika Place Comsat Station Kaunala Bridge Mamao Street Iwia Place	9.16 mi. 9.18 mi. 9.22 mi. 9.26 mi. 9.30 mi.
Kaunala Street	9.35 mi.
Road (R) Culvert	9.55 mi. 9.58 mi.
Culvert	9.65 mi.
Dairy Road	9.72 mi.
10 MP	9.94 mi.

CONTINUED ON SHEET #3. 10.00 mi.

SCALE: (In Miles) 4" = 1 mile — 5 · 6 · 7 · 8 · 9 · 10

Item	Entries along route (mile breakpoints as printed)
Divided Highway — Undivided — Shoulder: Width and Type	5' AC 5.63 4' AC 5.95 5' AC 7.50 4' AC
Pavement: Width and Type	22' AC 5.94 20' AC | 10' AC | 20' AC 7.50 22' AC
Shoulder: Width and Type	5' AC 5.70 4' AC 5.95 5' AC | 0 | 5' AC 7.50 4' AC
Median: Width and Type	8.5' Paint
Median Barriers:	6.25 6.42
Shoulder: Width and Type	0
Pavement: Width and Type	10' AC
Shoulder: Width and Type	5' AC
Number of Traffic Lanes	2–11' 5.94 2–10' 7.50 2–11'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	10' T.Ls. 6.40
(Right Side)	6.30 6.33
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	5.66 5' Conc. 5.90
Curb and/or Gutter: Type (Right and Left)	(Concrete Wall w/ Metal Railing) Conc. 5.99 6.09
Protective Devices: Type, Location and Number M/M = Metal Rails on Metal Posts	5.16 M/M 5.47; 5.49 5.52; (M/M) 5.54 5.57; 5.71 5.89 M/M (Metal on Concrete); 5.70 5.88 (Conc. Barrier w/ Metal Netting); 8.87 8.89 (Metal on Concrete); 9.36 9.37 (Metal on Concrete)
Illumination: Type, Location and Number	MV 5.13 11 Sodium Vapor Lamps 6.11 21 MV 6.98; 8.96 MV 9.53
Curves: Degree of Curvature (Right and Left)	
Superelevation (Range)	
Grades: % Grade, Positive or Negative	
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	6.57 Rural
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Mountainous 6.57 Flat; Rolling
Speed: 1–Design, 2–Posted	(35 MPH (2)) (45 MPH (2)) 5.07 35 MPH (2); 6.50 (School Zone 25 MPH (2)) 6.97 7.00 7.05; 7.36 (School Zone 25 MPH (2)) 7.85 45 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	2 Phase 6.33
Traffic Station	B72 0083 00208 | B72 0083 00522 | B72 0083 00544 | B72 0083 00563 | B72 0083 00633 | B72 0083 00907
HPMS Section	5.22 5.62 5.63 7.88
AADT (Year 2006)	17,500 5.44 16,300 6.33 13,600 9.07 7,900
DOD Sections	DOD 340
Census Tracts	
Functional Classification	Principal Arterial
National Highway System (NHS)	NHS
Previous Projects: Project No., Date and Limits	83B–01–87M, (R) 1987 7.49 WDR (3)1, 1940 (83B–01–77M, (Realign.) 1977) 6.39 83C–03–68, 1968 9.35 FR–083–1(18), (R) 1983 FAP 3–A, 1928 5.70 5.91 FAP 3–A, 1928 9.25 321+00 FAP 3–B, 1930

SCALE: (In Miles) 4" = 1 mile — 5 · 6 · 7 · 8 · 9 · 10

Date Released	
Jan 2003, DB	
Revised	
Aug. 04	D.B.
5/06	G.N.

ROAD INVENTORY

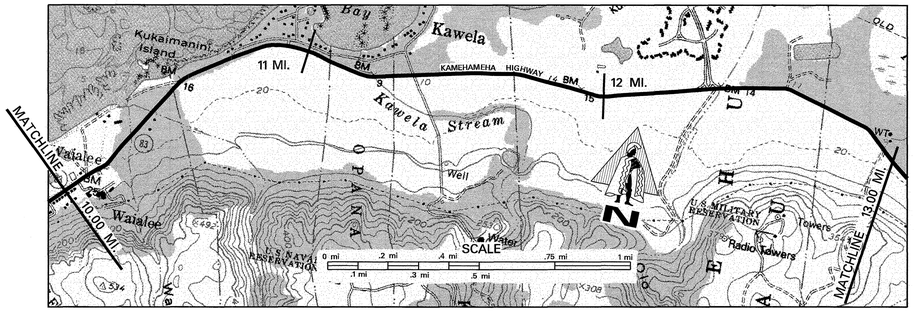
OAHU RTE 83
KAMEHAMEHA HIGHWAY

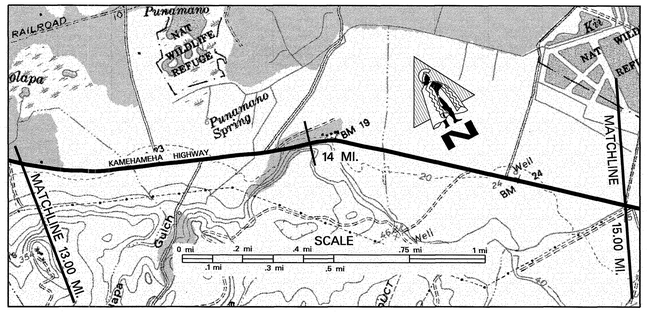
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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: 83B (11.97 mi.); End 83B – Begin 83C on Kamehameha Hwy., 0.60 mi. East of Kahuku Airport Road. (14.08); 83C (7.62 mi.)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Tee Beam 1931, H15 — 39' (10.42)
- Tee Beam 1931, H15 — 24' (11.22)
- Tee Beam 1931, H15 — 25' (12.27)
- Tee Beam 1931, H15 — 26' (13.39)

Vertical Clearance: 24' (10.42); 24' (11.22); 24' (12.27); 24' (13.39)

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 50' (14.00); 60'

Available Right of Way Width (Needs Study): (Residential) (10.06); 1000' Clear – Sugar & Pasture (R), Beach (L)

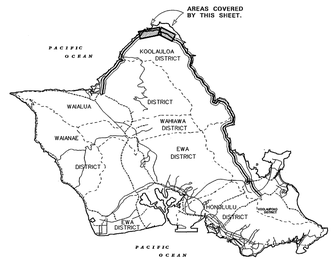
Right of Way Fence: Type – Right and Left (W/W=Wire on Wood CL=Chain Link FP=From Edge of Pavement): W/W 20' FP (11.27–11.92); CL 25' FP (11.73–12.48); 10' FP W/W (14.08–14.32); 15' FP W/W (14.53–14.91)

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 (10.50); 83BC-03-89M, (R) 1990



Road Diagram

* MP=Milepost Signage

CONTINUED FROM SHEET #2. 10.00 mi.

Crawford Convalescent Home; Culvert; Waialee Br.; Beach Park; Pahipahialua St.; Kawela Br.; Kawela Camp Rd.; Culvert; Payed Rd. Kuilima Dr. (Turtle Bay Hilton); Culvert; Culvert; Marcon Rd. (Kahuku Airport Rd.) Nanahu Br.; Kahuku Training Area; Road Culvert; Culvert

KAMEHAMEHA HIGHWAY — 11 MP, 12 MP, 13 MP, 14 MP, 15 MP

10.07 mi., 10.29 mi., 10.42 mi., 10.58 mi., 10.98 mi., 11.22 mi., 11.36 mi., 11.93 mi., 12.38 mi., 12.37 mi., 12.35 mi., 12.82 mi., 12.93 mi., 13.17 mi., 13.39 mi., 13.48 mi., 13.62 mi., 13.81 mi., 13.86 mi., 14.00 mi., 14.23 mi., 14.93 mi.

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Rolling (10.54); Flat

Speed: 1–Design, 2–Posted: 45 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: B72 0083 00907; B72 0083 01235; B72 0083 01388 (13.86–14.08); B72 0083 01408

HPMS Section: 11.93; 12.35; 13.86; 14.08; 14.93

AADT (Year 2006): 7,900; 7,900

DOD Sections: DOD 340; 13.48; DOD 341

Census Tracts

Functional Classification: Principal Arterial

National Highway System (NHS): NHS

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

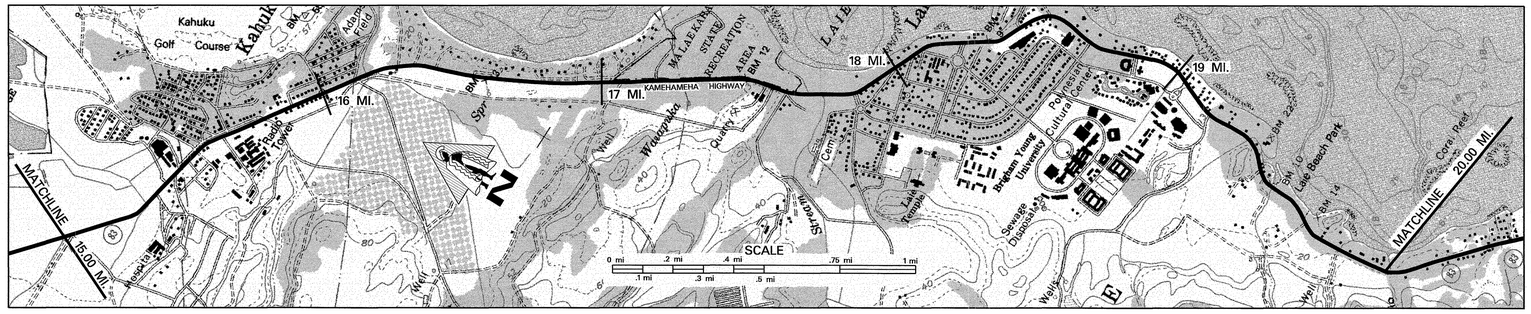
OAHU RTE 83
KAMEHAMEHA HIGHWAY

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: 127' (15.04)
- 4 Cell Box Culvert 2005 HL-93: 126.5'
- Pre-Stressed Conc. Girder 1999, HS-20-44: 107' (16.19)
- Slab 1933, H15: 91' (17.66)
- Tee Beam 1932, H15: 26' (18.31)
- Slab 1933, H15: 90' (19.50)

Vertical Clearance

Horizontal Clearance
- 40' | 40' | 40' | 24' | 24' | 24'

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)

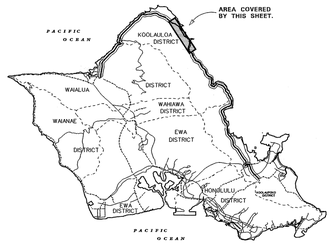
Right of Way Fence: Type – Right and Left (W/W=Wire on Wood, CL=Chain Link, SW=Stone Wall, FP=From Pavement)
- 1000' Clear-Sugar & Pasture (R) Beach (L); W/W 30' FP (15.36); W/W 15' FP (15.40); 20' FP (15.95); CL (15.98); 20' FP (16.03); (W/W) (16.47); 15' FP W/W (16.58); W/W (17.23); W/W (17.48); (Conc.) 10' FP (17.86); (W/W)(S) (18.05); 10' FP (18.21); (SW) (18.27); (Wood on Wood) 19' FP (18.70); (Wood on Wood) 19' FP (18.87); (W/W)(S) (19.03); (Wood on Wood) 19' FP (19.27); SW 12' FP; SW 12' FP (19.82)

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

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

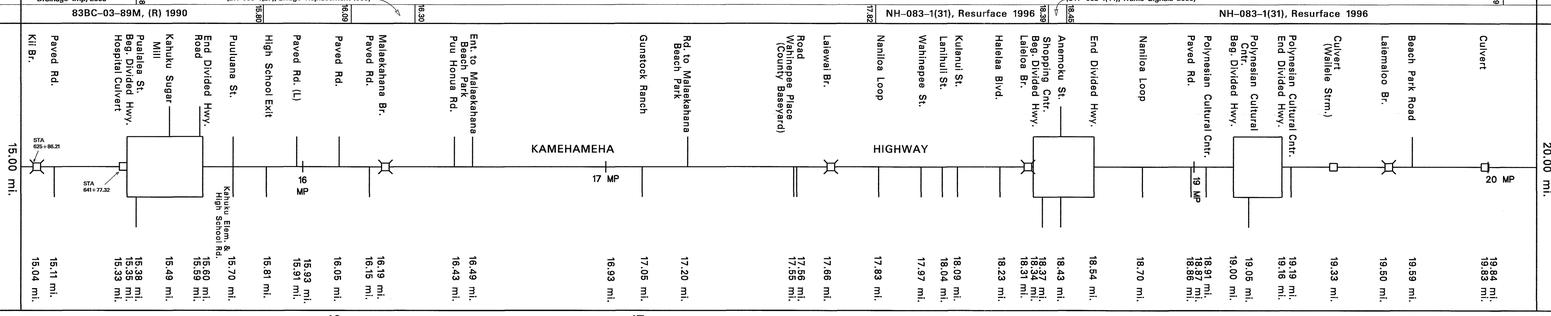
Project No., Type of Construction, and Year Constructed
- STA 623+66 STA 644+54; NH-083-1(46) Drainage Imp, 2005 (15.38)
- (BR-083-1(27), Bridge Replacement 1999) (16.09)
- (STP-083-1(44), Traffic Signals 2000) (18.45)
- (BR-083-1(50), Bridge Replacement, 2007) (19.89); 1296 + 24.43

Project No., Type of Construction, and Year Constructed
- 83BC-03-89M, (R) 1990
- NH-083-1(31), Resurface 1996 (17.92)
- NH-083-1(31), Resurface 1996



Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type: 4' AC | 40' Grass | 6' AC | 8'–13' Grass | 16'–22' Grs. | 10'–16' Grass | 8'–14' Grass | 16'–18' Grass | 8'–10' Coral | 3' AC | 10'–12' Grass/Coral

Pavement: Width and Type: 22' AC | 11' AC | 22' AC | 24' AC | 22' AC | 11' AC | 22' AC | 11' AC | 22' AC

Shoulder: Width and Type: 4' AC | 0 | 2' AC | 20'–24' Dirt | 6' AC | 6'–12' Grass | 8' Grass | 6'–10' AC/Grv. | 6' Grass | 6'–22' Grass | 3' AC | 0 | 8'–10' Grass | 10' AC | 0 | 10' AC | 8' Grass/Dirt | 10' Grv. | 8' Grass

Median: Width and Type: 0'–10' Painted AC | 0'–10' Painted AC | 0'–10' Painted AC

Median Barriers:

Shoulder: Width and Type: 0 | 0 | 0

Pavement: Width and Type: 11' AC | 11' AC | 11' AC

Shoulder: Width and Type: 2' AC | 3' AC | 10' AC

Number of Traffic Lanes: 2–11' | 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): 4' AC S.W. | 6' AC S.W. | (4' AC S.W.) | (8' AC) (11' AC) (10' AC)

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

Protective Devices: Type, Location and Number (M/M = Metal Rails on Metal Posts): (M/M) (M/M)

Illumination: Type, Location and Number: Mercury Vapor | 36 HPS Luminaires | 14 Sodium | 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: Rural | Small Urban | Rural

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

Speed: 1–Design, 2–Posted: 45 MPH (2) | 35 MPH (2) | 45 MPH (2) | 35 MPH (2) | School Zone – 25 MPH (2) | 25 MPH (2) | 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing: 3 Phase

Traffic Station: B72 0083 01408 | B72 0083 01538 | B72 0083 01618 | B72 0083 01628 | B72 0083 01655 | B72 0083 01744 | B72 0083 01765 | B72 0083 01870 | B72 0083 01934

HPMS Section

AADT (Year 2006): 7,900 | 11,900 | 12,700 | 13,600 | 12,500 | 12,900

DOD Sections: DOD 341

Census Tracts

Functional Classification: Principal Arterial

National Highway System (NHS): NHS

Previous Projects: Project No., Date and Limits
- C-83-02-66, (R) 1966
- FAP 3-E, 1931
- FAP 3-E, 1937
- FAP 1-E, 1932
- 83C-01-86M, (R) 1986
- 83 DF-01-69, (R) 1969
- FAP 1-D, 1933
- (FAP 1-E, 1932)
- FAP 1-D, 1933
- 83C-01-81M, (R) 1981
- (FAP 1-E, 1932)

SCALE: (In Miles) 4" = 1 mile

Date Released	
Jan 2003, DB	
Revised	
Aug. 04	D.B.
5/06	G.N.
12/07	D.B.

ROAD INVENTORY
OAHU RTE 83
KAMEHAMEHA HIGHWAY

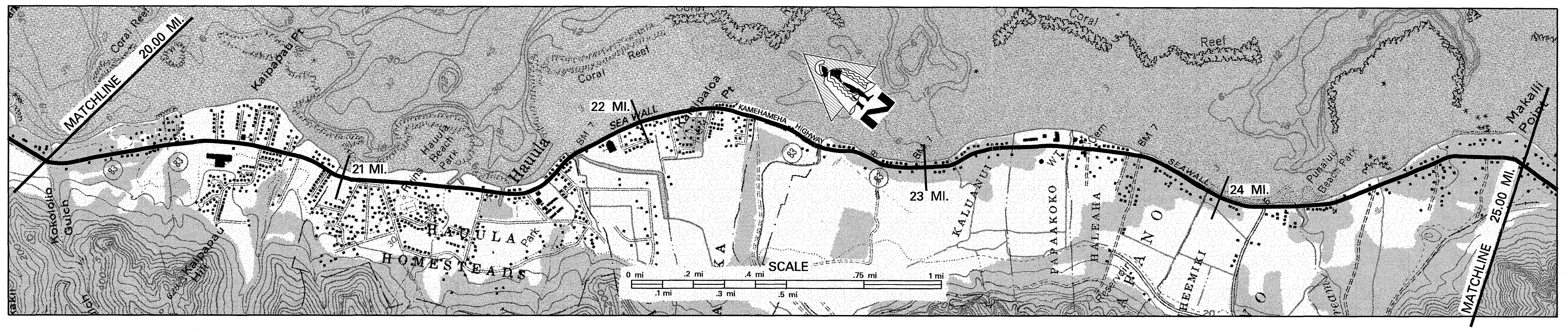
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

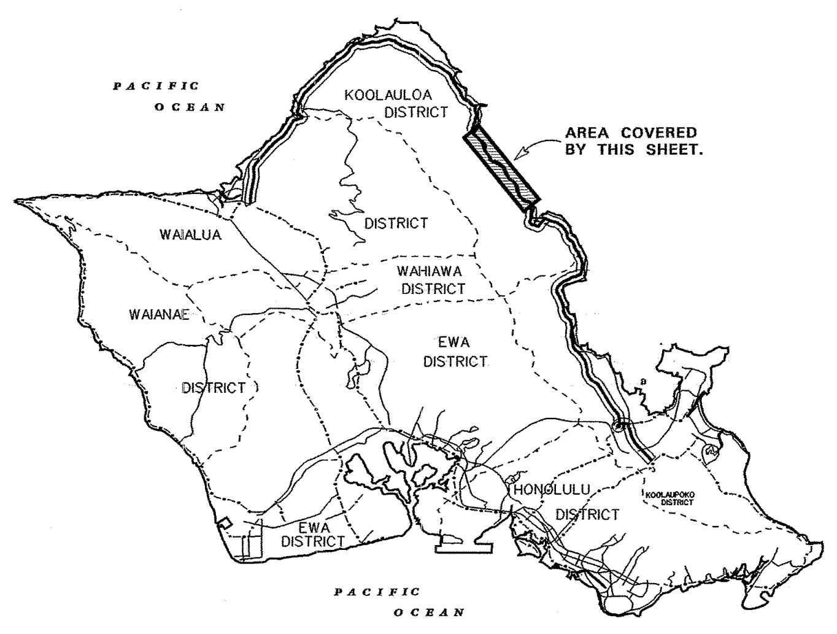
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

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)
a. Existing Length: 43.92 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: 0.00 MILES (–)

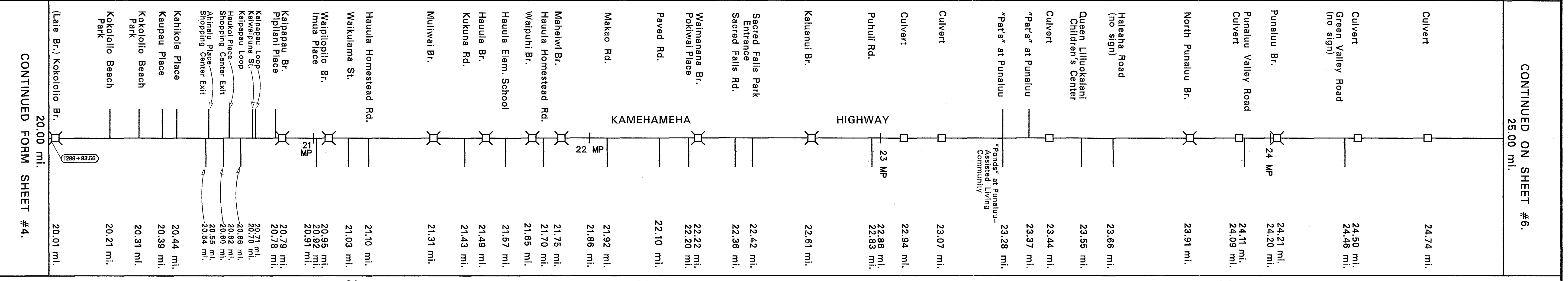
NEEDS STUDY ROUTE NO. ____ FUNCTIONAL CLASSIFICATION ____



SCALE: (In Miles) 4" = 1 mile	20 · 21 · 22 · 23 · 24 · 25
Maintenance Control Sections : Length and Description	83C (7.62 mi) · 21.70 End 83C – Begin 83D at Hauula Homestead Road. · 83D (12.61 mi.)
Structure Carrying Road: Bridges (Over 20'): Length, Type, Capacity and Year Constructed	Prestressed Conc. Plank, 2007, HL–93 57' · TBM 1932, H15 82' · 25' · Slab 1932, H15 110' · TBM 1932, H15 26' 24' · Slab 1926, H15 54' · Slab 1926, H15 72' · Slab 1926, H15 126' · Slab 1926, H15 37' · Slab 1926, H15 126'
Vertical Clearance	20.01 · 20.79 · 20.95 · 21.31 · 21.49 · 21.65 · 21.75 · 22.22 · 22.61 · 23.91 · 24.21
Horizontal Clearance	40' · 24' · 24' · 23' · 24' 24' · 23' · 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)	20.01 20.05 Trees & Brush 20.53 · Residential 21.27 21.30 21.38 21.43 · 21.81 · 22.95 22.98 Residential (R), Beach (L)
Right of Way Fence: Type – Right and Left W/W=Wire on Wood SW=Stone Wall FP=From Pavement	(SW) 12' FP · W/W 12' FP 20.31 · 20.07 W/W 12' FP 20.16 · 20.41 20' FP W/W 20.53 · 21.06 SW 21.31 · (W/W) · (W/W) · 21.51 W/W 21.61 · 15'–20' FP · 22.88 W/W 50' FP · W/W 50' FP 23.18 · 23.37 50' FP W/W 23.45
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	20.14 (BR–083–1(50), Bridge Replacement, 2007)
Project No., Type of Construction, and Year Constructed	(1283+10.93) NH–083–1(31), Resurface 1996 · 21.93 · 83D–01–96M, Resurface 1997



Road Diagram
* MP=Milepost Signage



SCALE: (In Miles) 4" = 1 mile	20 · 21 · 22 · 23 · 24 · 25
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 20.14 24' AC 20.55 22' AC 21.13 24' AC
Shoulder: Width and Type	8'–10' Grass 20.28 14' Grass 20.60 (8'–12' AC) 20.69 8'–10' Grass 20.78 8'–10' Grv. 21.20 5' Grs. 21.28 (12' AC) 21.31 6'–8' Dirt 21.48 4' Grass 21.56 9' AC 21.71 5' AC 23.14 4' AC 23.27 5' AC 23.54 4' AC 23.67 5' 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' 21.13 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' · 3' · 3' & 4' AC S.W.
Curb and/or Gutter: Type (Right and Left)	20.03 20.05 · 20.49 20.51 · 20.61 20.63 · 20.67 20.71 20.72 · 20.81 · 20.92 20.97 · 21.05 · 21.11 21.12 21.13 · 21.22 · 21.35 21.37 21.38 · 21.45 21.46 · 21.51 21.52 21.53 · 21.56 21.58 · 21.69
Protective Devices: Type, Location and Number M/M=Metal Rails on Metal Posts	(M/M) · (M/M)
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
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Flat
Speed: 1–Design, 2–Posted	21.47 (School Zone – 25 MPH (2)) 21.59 · 35 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Station	B72 0083 01934 · B72 0083 02170 · B72 0083 02470
HPMS Section	20.79 · 24.19
AADT (Year 2006)	12,900 · 21.70 · 9,900 · 24.70 · 9,600
DOD Sections	DOD 341
Census Tracts	
Functional Classification	Principal Arterial
National Highway System (NHS)	NHS
Previous Projects: Project No., Date and Limits	
	83C–01–81M, (R) 1981 21.71 · 83 DEF–01–82M, (R) 1983
	21.72 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	20 · 21 · 22 · 23 · 24 · 25

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

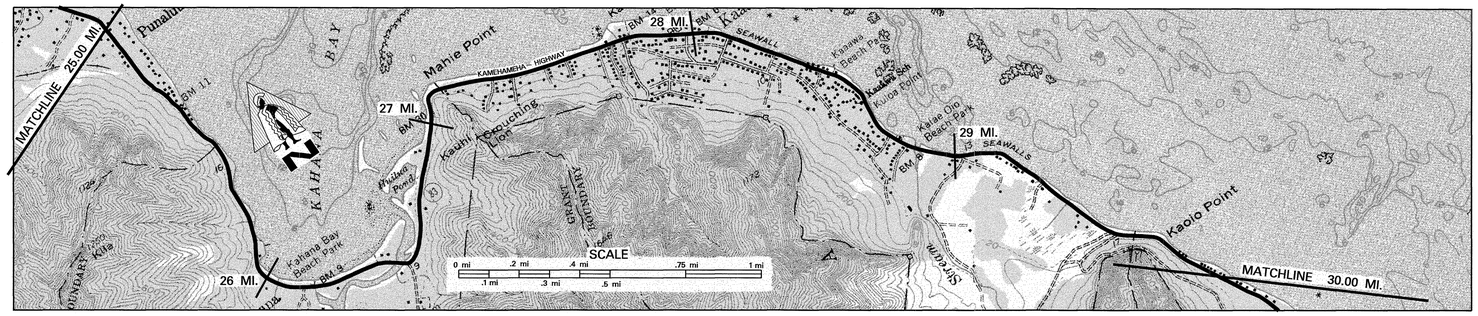
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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)
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

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' (26.16) | Slab 1927, H15 90' (26.44) | TBM 1927, H15 44' (27.70) | Slab 1927, H15 126' (28.82)

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

10' FP W/W | 10' FP W/W CL 10' FP | CL 10' FP | W/W W/W 15' FP | 15' FP W/W | 15' FP W/W | 15' FP SW | 15' FP W/W | 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)

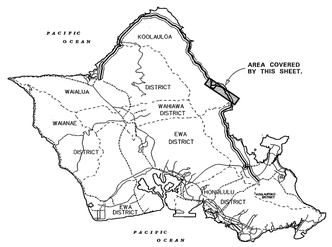
State — STA 913+00

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 | Culvert | Kahana Br. Kahana Valley State Park | Parking Area | Trout Farm Road Kahana Br. | Driveways to Crouching Lion | Street | Leu Place | Keo Place | Fire Station (R) Huamalani Rd. Waikalua Road Road Br. | Swanzy Beach Park | Hi'iaka Rd. | Polihaina Rd. Culvert | Culvert Puakenikeni Rd. | Ohelokai Rd. | Kaaawa Beach Park | Kaaawa Elem. School Entrs. | Kaaawa Br. Kaaawa Place Culvert Pohuehue Rd.

KAMEHAMEHA HIGHWAY

25 MP | 26 MP | 27 MP | 29 MP

25.27 mi. | 25.86 mi. | 26.03 mi. | 26.16 mi. 26.12 mi. | 26.31 mi. | 26.35 mi. | 26.44 mi. | 26.48 mi. | 27.15 mi. | 27.18 mi. | 27.27 mi. | 27.42 mi. | 27.45 mi. | 27.52 mi. | 27.65 mi. | 27.69 mi. | 27.70 mi. | 27.73 mi. | 27.77 mi. | 27.85 mi. | 27.89 mi. | 27.93 mi. | 28.03 mi. | 28.07 mi. | 28.23 mi. | 28.28 mi. | 28.39 mi. | 28.46 mi. | 28.58 mi. | 28.61 mi. | 28.72 mi. | 28.76 mi. | 28.78 mi. | 28.82 mi. | 29.35 mi.

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 | 6'–8' Grass | 10'–12' Grass | 4' AC | 4'–6' AC | 6'–12' AC | 6' AC

Pavement: Width and Type

24' AC | 20' AC | 22' AC

Shoulder: Width and Type

5' AC | 7'–10' Coral | 0 | 8'–10' Grass | 4' AC | 8' AC/Grs. | 10' AC | 6' 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

2–12' | 2–10' | 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)

4' B.P. S.W.

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 M/M | M/M | M/M | M/M | (M/M) | M/M | (M/M)

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

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

Flat | Rolling | Flat

Speed: 1–Design, 2–Posted

35 MPH (2) | School Zone– 25 MPH (2) | 45 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

B72 0083 02470 | B72 0083 02539 | B72 0083 02593 | B72 0083 02659 | B72 0083 02711 | B72 0083 02722 | B72 0083 02744 | B72 0083 02807 | B72 0083 02925 | B72 0083 02951 | B72 0083 02985

HPMS Section

26.96 | 27.65 | 29.35

AADT (Year 2006)

9,600 | 9,900 | 10,900 | 10,500

DOD Sections

DOD 341

Census Tracts

Functional Classification

Principal Arterial

National Highway System (NHS)

NHS

Previous Projects: Project No., Date and Limits

83 DEF-01-82M (R) 1983 | 83 DF-01-69, (R) 1969 | FR-083-1(17), Resurface 1983 | 83D-01-86M, Resurface 1987

83 DF-01-69, (R) 1969 | 83E-02-68, 1968 | 83D-01-72, 1973 (Job # 8816, 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

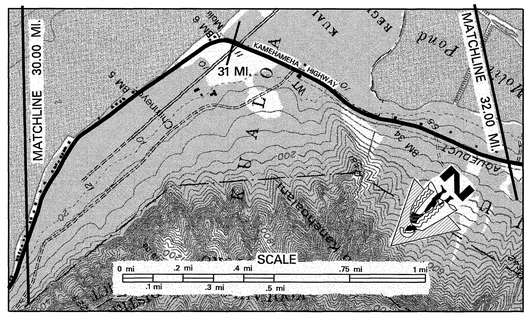
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

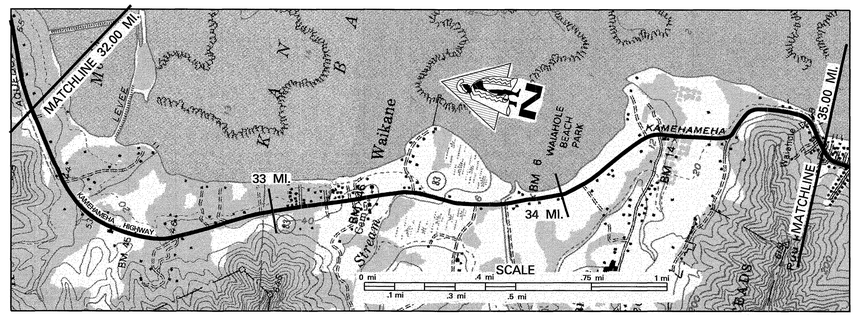
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Maintenance Control Sections : Length and Description: 83D (12.61 mi.); End 83D – Begin 83E at the Centerline Intersection with Waiahole Valley Road. (34.11); 83E (1.82 mi.)

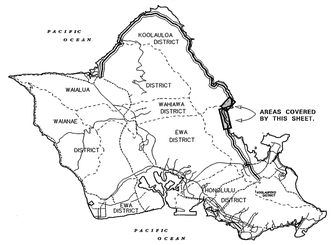
Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed	TBM 1922, H15 (32.33); TBM 1928, H15 (44'); Slab 1928, H15 (54'); TBM 1922, H10 (66')
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; Pasture & Residential
Right of Way Fence: Type – Right and Left (W/W=Wire on Wood, FP=From Pavement)	15' FP W/W; 10' FP W/W; 15' FP W/W; 20' FP W/W; W/W 12' FP; 20' FP (W/W); 20' 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
Project No., Type of Construction, and Year Constructed	N–083–1(43), RESURFACE 2005
Project No., Type of Construction, and Year Constructed	STP–083–1(28), Resurface 1996



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #6.

30.00 mi.

Telemetry Station Of Sugar Mill Smoke Stack; Kualoa Ranch Rd.; Rd. to Kualoa Beg. Divided Hwy.; End Divide Hwy.; Kualoa Maintenance Yard; Culvert; Culvert; Johnson Rd.; Hakipuu Br.; Tourist Shops; Culvert; Kamaka Place; Haupoa St.; Waikane Br.; Waikane Valley Rd.; North Waiahole Br.; Culvert; Culvert; Culvert; Waiahole Valley Road; Waiahole County Br.; Waiahole Hmstd. Road

KAMEHAMEHA HIGHWAY

30 MP; 31 MP; 32 MP; STA 519+00; 34 MP

30.37 mi.; 30.59 mi.; 30.58 mi.; 30.74 mi.; 30.96 mi.; 31.01 mi.; 31.11 mi.; 31.22 mi.; 31.40 mi.; 31.54 mi.; 31.92 mi.; 32.20 mi.; 32.30 mi.; 32.47 mi.; 32.46 mi.; 32.86 mi.; 33.09 mi.; 33.19 mi.; 33.54 mi.; 33.65 mi.; 33.73 mi.; 33.83 mi.; 33.98 mi.; 33.94 mi.; 34.35 mi.; 34.31 mi.; 34.53 mi.; 34.51 mi.

CONTINUED ON SHEET #8.
35.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided: Shoulder: Width and Type	6' AC; 4' AC
Undivided: Pavement: Width and Type	22' AC; 11' AC; 22' AC
Undivided: Shoulder: Width and Type	6' AC; 12'–14' AC; 6' AC; 0; 6' AC; 4' AC; 7' AC; 6' AC; 3'–5' AC
Median: Width and Type	
Median Barriers:	
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)	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)	M/M; Inertial Barrier System; M/M; M/M
Illumination: Type, Location and Number	Incandescent; Mercury Vapor; 21 MV Lamps; 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; Small Urbanized
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Flat; Rolling; Flat; Rolling
Speed: 1–Design, 2–Posted	45 MPH (2); 35 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Station	B72 0083 02985; B72 0083 03115; B72 0083 03306; B72 0083 03431
HPMS Section	30.59; 33.06; 33.25
AADT (Year 2006)	10,500; 11,800; 17,400
DOD Sections	DOD 341
Census Tracts	
Functional Classification	Principal Arterial
National Highway System (NHS)	NHS
Previous Projects: Project No., Date and Limits	
	83D–01–86M (R) 1987; 83D–01–88M, Resurface 1988; F–083–1(22), Resurface 1986
	FAP 1, 1925; 83E–02–68, 1968; FAP 1B, 1927; (FAP 1A, 1935); 83E–01–74, (R) 1975; HES–ROS–083–1(12), (Safety Improvements) 1986; County Project

SCALE: (In Miles) 4" = 1 mile

Date Released	
Jan 2003,	DB
Revised	
Aug. 04	D.B.
5/06	G.N.

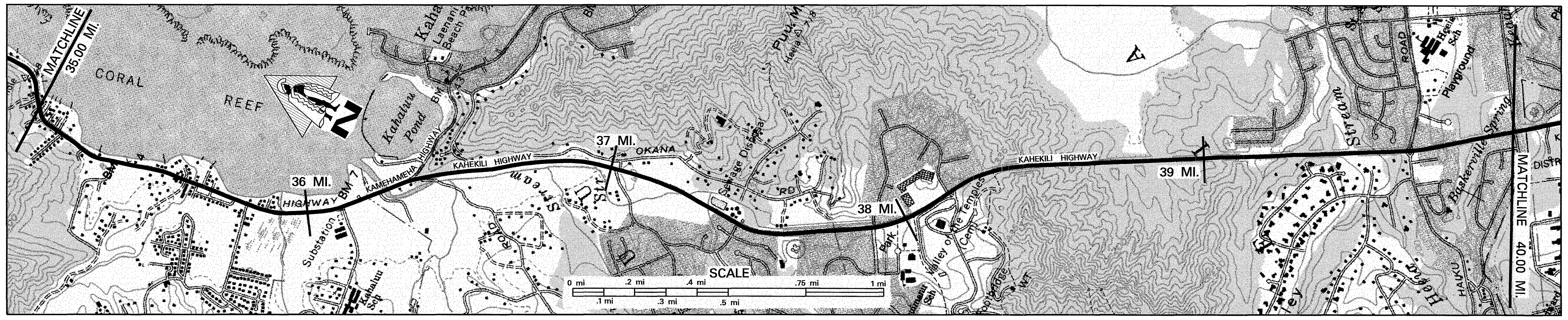
ROAD INVENTORY
OAHU RTE 83
KAMEHAMEHA HWY., KAHEKILI HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

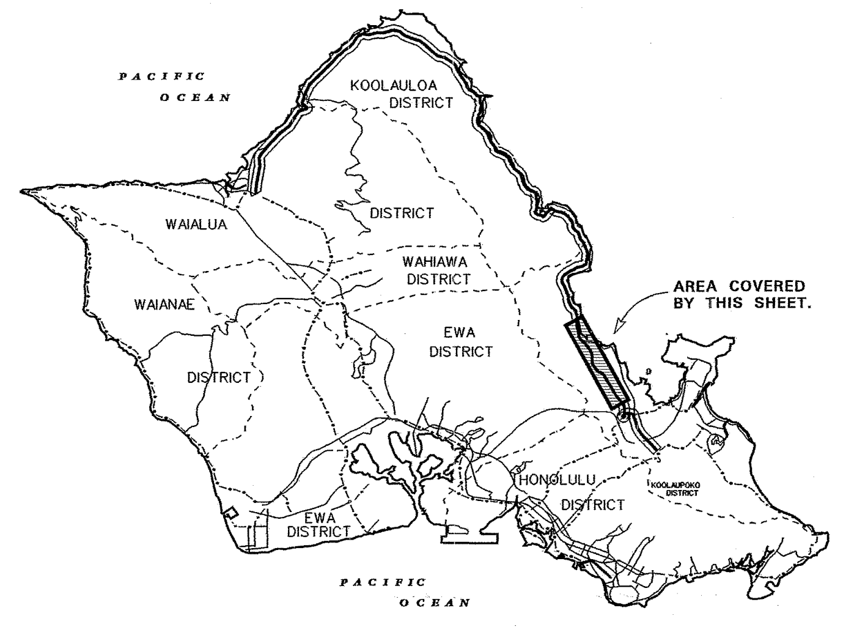
PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

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 ______

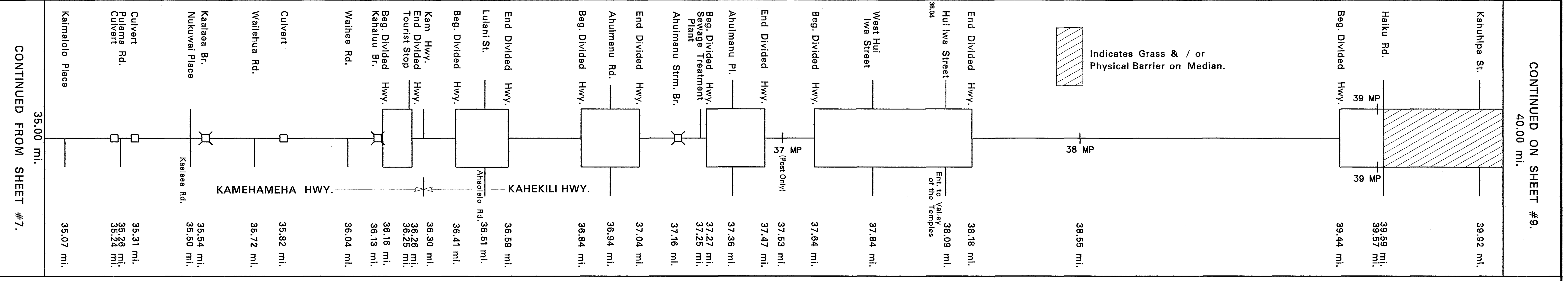


	SCALE: (In Miles) 4" = 1 mile — 35 36 37 38 39 40
Maintenance Control Sections : Length and Description	83E (1.82 mi.) | 36.13 End 83E – Begin 83F on Kam. Hwy., at N.W. end of Kahaluu Bridge. | 83F (4.55 mi.)
Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed	Slab 1923, H10 41' | Slab 1922, H10 90' | P/CB 1971, HS20 82'
Structure Carrying Road — Vertical Clearance	35.54 | 36.13 | 37.16
Structure Carrying Road — Horizontal Clearance	23' | 23' | 46'
Structure Over Road — Vertical Clearance	
Structure Over Road — Horizontal Clearance	
Right of Way Width (min.–max.) if varies	50' | 36.16 | 170'–230' | 37.22 | 120'
Available Right of Way Width (Needs Study)	Residential Area
Right of Way Fence: Type – Right and Left W/W=Wire on Wood FP=From Pavement	35.79 15' FP W/W 36.14 | 37.28 50' FP W/W 37.49 | 39.85 W/W 39.96 | 39.99 (CL)
Control of Access: 1–None, 2–Partial, 3–Full	None
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	State | County to State – Phase 3 (eff. 1/1/80) | (64+16.39)
Project No., Type of Construction, and Year Constructed	STP–083–1(28), Resurface 1996 | 36.19 | 36.37 | 83F–01–97M, Resurface 1998 | 39.57 | NH–083–1(49), Landscaping, 2006
Project No., Type of Construction, and Year Constructed	F–083–1(22), (R) 1986 | 35.49 | 35.54 | 83EF–02–86 (R) 1987 | 36.38 | 83F–02–91, 1993 Inter. Imprv. | 36.64 | 36.73 | 83F–02–91, 1993 Inter. Imprv. | 37.04 | (STP–083–1(29), 3 Phase Traffic Signal 1996) | 38.04 | 38.14 | 39.39 | NH–083–1(26), Widening 1997



Road Diagram

* MP=Milepost Signage



	SCALE: (In Miles) 4" = 1 mile — 35 36 37 38 39 40
Divided Highway — Undivided — Shoulder: Width and Type	(4' AC) 35.04 | 35.12 (10'–12' AC) | 4' AC | 4' Dirt | 36.14 | 2'–10' AC | 12' AC | 37.18 | 4' AC | 37.90 | 10' AC | 38.05 | 4' AC | 38.11 | 10' AC | 38.30 | 8' Dirt | 38.89 | 8'–10' AC/Dirt | 39.11 | 10' AC | 6'–10' AC | 5' Conc. Bike Lane
Divided Highway — Undivided — Pavement: Width and Type	22' AC | 35.51 | 21' AC | 11' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 39.92 | 36' AC
Divided Highway — Undivided — Shoulder: Width and Type	3'–5' AC | 0 | 0 | 12' AC | 0 | 12' AC | 0 | 12' AC | 4' AC | 0 | 10'–12' Grass | 0 | 10' AC | 8' Dirt | 38.89 | 6' AC/Dirt | 39.11 | 10' AC | (12'–22' Painted AC) | 0 | (14' Conc. Median Barrier Planter with Shrubs)
Median: Width and Type	0'–12' Paint | 0'–12' Paint | 0'–12' Paint | 0'–6' Paint | 0'–8' Paint | 0'–10' Paint | (12'–22' Painted AC)
Median Barriers: ——— = Conc. Barrier	36.16 | 36.26 | 36.41 | 36.59 | 36.84 | 37.04 | 37.27 | 37.47 | 37.64 | 38.18 | 39.44 | 39.59 | (2' Conc. Barrier) | 39.70 | 0 | 39.83 | (2' Conc. Barrier)
Shoulder: Width and Type	0 | 0 | 0 | 0 | 0 | 0
Pavement: Width and Type	11' AC | 12' AC | 12' AC | 12' AC | 12' AC | 12' AC | 39.50 | 24' AC | 36' AC
Shoulder: Width and Type	2'–12' AC | 12' AC | 12' AC | 4' AC | 37.40 | 10'–12' Grass | 10'–12' Grass | 38.11 | 0 | 4' AC | 5' Conc. Bike Lane
Number of Traffic Lanes	2–11' | 35.51 | 2–10.5' | 2–11' | 36.37 | 2–12' | 1–12' | 2–12' | 3–12' | 1–12' | 2–12' | 3–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	36.30 | 36.35 | 12' T.Ls. | 36.51 | 36.59 | 12' T.Ls. | .90 | .99 | 37.02 | 37.36 | 37.40 | 37.36 | 37.40 | 37.92 | 38.09 | 38.14
(Right Side)	1–10' T.L. | 36.22 | 36.25 | 36.43 | 36.87 | .89 | 36.94 | 37.73 | .78 | 37.81 | 38.00 | 39.47 | 39.59 | .65 | .68 | .71 | 39.81 | 39.92
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	3'–5' AC S.W. | 36.18 | 37.84 | 5' CONC S.W. | 7' AC | 38.17 | 39.59 | 6' Conc. S.W. | 6' Conc. S.W.
Curb and/or Gutter: Type (Right and Left)	M/M 37.39 | 37.82 | 37.85 | 38.09 | 38.82 | 39.99
Protective Devices: Type, Location and Number M/M= Metal Rails on Metal Posts M/C = Metal Rails on Conc. Posts	36.34 M/M 36.45 | 37.15 (M/C) | 37.36 | 37.44 M/C | M/C 38.13 M/C | 38.22 M/C | 38.42 M/M 38.55 | 38.61 M/M | M/M | M/M | 39.00 | 39.10 M/M 39.27 | M/M | 39.44 M/M | 39.60 | 39.65 M/M | M/M | M/M | 39.86 | 39.95
Illumination: Type, Location and Number	Incandescent | 36.18 | MV | 36.32 | 14 HPS | 36.80 | 24 HPS | 37.18 | 37.49 | HPS | 39.59 | 39.79 | 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:	Small Urbanized
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Rolling | 35.17 | Flat | 36.28 | 37.83 | Rolling
Speed: 1–Design, 2–Posted	35 MPH (2) | 37.70 | 37.80 (School Zone – 25 MPH (2)) | 38.09 | 38.15 | 45 MPH (2) | 39.41 | 39.48 | 35 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	36.94 3 Phase | 3 Phase 37.36 | 37.84 3 Phase | (B72 0083 03955) | 39.59 2 Phase | 3 Phase 39.92
Traffic Station	B72 0083 03431 | B72 0083 03554 | B72 0083 03604 | B72 0083 03630 | B72 0083 03660 | B72 0083 03736 | B72 0083 03745 | B72 0083 03753 | B72 0083 03820 | B72 0083 03910 | B72 0083 03940 | B72 0083 03959 | (B72 0083 03992)
HPMS Section	35.54 | 36.04 | 36.13 | 36.60 | 37.20 | 37.45 | 37.53 | 37.99 | 39.10 | 39.40 | 39.55 | 39.74
AADT (Year 2006)	17,400 | 36.30 | 16,900 | 37.36 | 21,600 | 38.20 | 28,700 | 39.59 | 30,700 | 39.92 | (40,000)
DOD Sections	DOD 341 | 36.32 | DOD 345
Census Tracts	
Functional Classification	Principal Arterial
National Highway System (NHS)	NHS
Previous Projects: Project No., Date and Limits	39.42 83F–01–86, Imprv. 1987
	35.54 | 83EF–02–86, (Reconstruct & Resurface) 1987
	37.20 | 83F–01–88M, (R) 1988 | 38.12
	HES–ROS–083–1(12), (Safety Imprv.) 1986 | 37.63 | HES–083–1(16), 1981 | 38.04
	83E–01–74 (R) 1975 | 35.57 | 83E–01–73(W), 1975 | 36.32 | 37.18 | FR–083–1(14), (R) 1981 | 38.31
	County Project | 36.18 | BD 67–320 1969 | 37.24 | County Project
	242+50 | 186+45

SCALE: (In Miles) 4" = 1 mile — 35 36 37 38 39 40

Date Released
Jan 2003, DB
Revised
5/06 G.N.
3/07 D.B.

ROAD INVENTORY

OAHU RTE 83

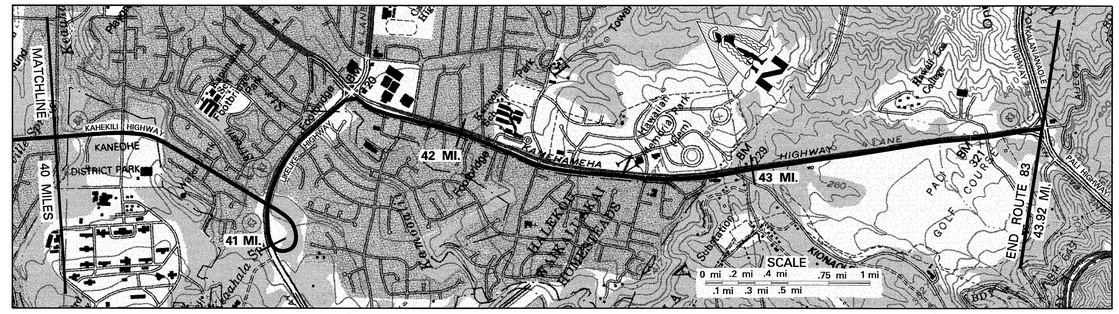
KAHEKILI HWY., LIKELIKE HWY., KAMEHAMEHA HWY.

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

Maintenance Control Sections : Length and Description

83 F (4.55 mi.) | Beg 83G on Likelike Hwy. at ℄ inter. with Kahekili Hwy | 83 G (2.80 mi.)

Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed

Prestress Conc. Girder, 93' 8", HS–20, 1984
P/CB, 1969 | TBM, 1968 | Prestress Conc. Box, 103', HS–20, 1988 | P/C GIRDER, HS–20, 1988

Vertical Clearance: 53' | 39'

Horizontal Clearance

Structure Over Road — Vertical Clearance: 47' | 50' | 16' 6" | 120'

Horizontal Clearance: 15' 10" | 16' 2"

Right of Way Width (min.–max.) if varies: 120' | 120' – 195' | 125' – 255' | 140' – 195'

Available Right of Way Width (Needs Study): Residential | Golf Course (R), Trees & Bush (L)

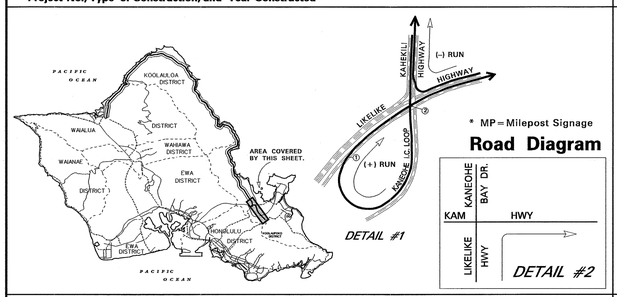
Right of Way Fence: Type – Right and Left: (WD/W) | (WD/W) | SW | CL

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): C to S Phase 3 (eff. 1/1/80) | State

Project No., Type of Construction, and Year Constructed: NH-083-1(49), 2006 Landscaping | (63A-01-89M, 1990) HWY-O-05-06M, Resurf, 2007 | 83G-01-03M, Resurfacing, 2006

Project No., Type of Construction, and Year Constructed: NH-083-1(26), Widening 1997 | I-H3-1(72), 1996 | 63A-01-89M, 1990 | NH-083-1(41), Resurface 2000 | I-IR-H3-1(24):11 Halekou Interchange, 1988 | FR-083-1(15) (R),1982



* MP = Milepost Signage

Road Diagram

KAM	KANEOHE BAY DR. / HWY
LIKELIKE	HWY

ROUTE CONTINUED FROM SHEET #8.

40.08 mi. | Keaahala Rd. | Kulukeoe St. | 40 MP | Likelike Hwy. (L) & (R) | Kahekili Hwy. (L) | Culverts | Pedestrian O.P. Anoi Rd. | Kamehameha Hwy./ Likelike Hwy./ Kaneohe Bay Dr. | Luluku Rd. | Koakahiko Rd. | Duncan Dr. | Puahuula Pl. | Kaneohe Sch. Rd. | Makulele Dr. | Haw. Mem. Pk. | Haw. Mem. Pk. | Koolau View Dr. | Culverts | Hawaii Loa College | END ROUTE 83 ON KAMEHAMEHA HWY. AT THE NORTHWEST EDGE OF PAV'T OF KALANIANAOLE HWY. & PALI HWY (RTE 61). 43.92 Mi.

SEE DETAIL #1 | NO TRAVELWAY (–) RUN | SEE DETAIL #2 | KAHEKILI HWY. | LIKELIKE HWY. | KAMEHAMEHA HWY. | 42 MP 43.08 | 43 MP

LIKELIKE HWY. KANEOHE I.C. LOOP (+) RUN | SEE POINTS ON DETAIL #1 | ECB | 42.92 | 42.86 | 151+50

Indicates Grass & / or Physical Barrier on Median.

40.14 mi. | 40.46 mi. | 40.60 mi. | 40.98 mi. | 41.29 mi. | 41.35 mi. | 41.38 mi. | 41.43 mi. | 41.58 mi. | 41.76 mi. | 41.85 mi. | 41.96 mi. | 41.99 mi. | 42.05 mi. | 42.24 mi. | 42.34 mi. | 42.59 mi. | 42.77 mi. | 42.88 mi. | 43.71 mi. | 43.80 mi. | 43.91 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type: 5' Conc. Bikelane | 10'–12' AC | 0 (No Travelway) | 7' – 8' AC | 0 | 8' AC | 10' AC | (10' CORAL) | 5' AC | 9' Grass | 4' AC | 0

Pavement: Width and Type: 36' AC | 0 (No Travelway) | 24' AC | 36' AC | 24' AC | 36' AC | 24' AC

Shoulder: Width and Type: 0 | (14' Conc. Median Barrier Planter with Shrubs) | 0 (No Travelway) | 0 | 4' AC | 0 | 2' Conc C&G | 0 | 4' AC | 0

Median: Width and Type — = Conc. Barrier | = Guard Rails

Varies 12'–22' | Varies 12'–22' | 6' – 23' GRASS | 0 – 64' GRASS | 16'–35' Grs. | 6' GRASS | 30' GRASS | 15' GRASS

2' Conc. Barrier | 2' Conc. Barrier | Double Steel Guard Rails | 2' Curb & Gutter | Chain Link Fence on Median

Divided Highway — Shoulder: Width and Type: 0 | 0 | 4' AC | 0 | 3' CAG | 0

Pavement: Width and Type: 36' AC | 12' AC | 15' AC | 12' AC | (36' AC) | 24' AC | 22' AC | 24' AC | 2' AC | 24' AC | 20' AC

Shoulder: Width and Type: 5' Conc. Bikelane | 10'–14' AC | 0 | 10' AC | 8' AC | 5' AC | 8' AC

Number of Traffic Lanes: 6' – 12' | 3-12' | 1-12' | 0-0' | 1-15' | 1-12' | 2-12' | 3-12' | 4-12' | 3-12' | 2-31' | 2-12' | 3-12' | 2-12' | 2-10.3' | 2-12' | 2-10'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) (Right Side) — All TL's 11' except where indicated: 2-12' TLS | Decel. Ln. | 1-10' TL | 1-12' TL | 1-10' TL | 12' TL's

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

Sidewalk: Width and Type (Right and Left): 6' Conc. S.W. | 3' AC | 5' Conc.

Curb and/or Gutter: Type (Right and Left): 6' Conc. S.W. | 12' Sidewalk & Bikeway

Protective Devices: Type, Location and Number — M/M = Metal Rails on Metal Posts: M/M | M/M | M/M | M/M | M/M | M/M | M/M | M/M | M/M | M/M | M/M

Illumination: Type, Location and Number: M/M | M/M | MV | 2 MV | High Pressure Sodium | 24 High Pressure Sodium | (3 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: Small Urbanized

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

Speed: 1–Design, 2–Posted: 35 mph ② | 45 mph ② | 35 mph ①

Intersection Control Devices: Type, Location and Cycle Timing: 3 Phase | 3 Phase | 3 Phase | (Same Traffic Light) | 3 Phase | 3 Phase | 3 Phase | 3 Phase | 3 Phase

Traffic Station: B72 0083 03992 | B72 0083 04071 | B72 0083 04112 | B72 0083 04158 | B72 0083 04190 | B72 0083 04212 | B72 0083 04224 | B72 0083 04266 | B72 0083 04277 | B72 0083 04289 | B72 0083 04300 | B72 0083 04328 | B72 0083 04377

HPMS Section: 40.58 | 41.26 | 41.88 | 42.37 | 42.71 | 42.97 | 43.70

AADT (Year 2006): 40,000 | 31,000 | 33,300 | 35,000 | 34,200 | 34,300 | 43,700

DOD Sections: DOD 345 | DOD 350 | DOD 355

Census Tracts

Functional Classification: Principal Arterial (Connecting Link)

National Highway System (NHS): NHS

Previous Projects: Project No., Date and Limits

83F-01-86, (Imprv.) 1987 (63A-01-89M, 1990) 40.64
83EF-02-86, (Reconstruct. & Resurface) 1987
83F-01-86, (Imprv.) 1987 | 40.71 | 83G-01-88M, (R) 1989 | 42.67 | 42.64 I-IR-H3-1(24):11, (Halekou Interchange) 1988 43.25
(83F-02-79, 1976) 54 | 40.64 | F-083-1(10), (Imprv.) 1981 | 42.61
40.44 83H-02-71, (R) 1971 | 40.71 | FR-0300 (11), (R) 1980 | 41.58 | 83H-02-71, (R) 1971 | 42.63 | 42.66 | 42.79
County Project 40.65 105+39' | I-H3-1(72), 1996 | 41.12 | S-0630 (4), 1959 | 41.54 135+82.44' | 39+01.92 | F-083-1(2), Unit 2 1967 | 42.10 68+50' | F-083-1(2), Unit 1 & Unit 3 1966–1968 | (83H-02-71, (R) 1971) | 133+99.98 | 43.34 134+00 | F-083-1(1), 1955–1957
(S-0630 (4), 1959)

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.

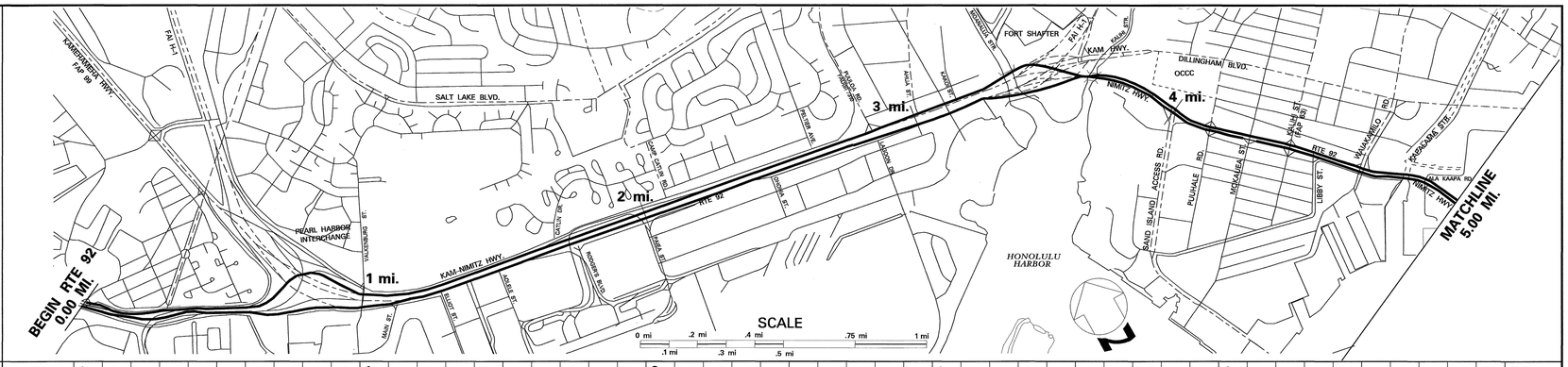
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

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

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C) — STATE; IR-H1-1(210):17 1992 (Trestle); (NH-H1-1(246) Zipper Ln. Ext., 2006); I-H1-1(133):17,1984 PARTIAL CONST.

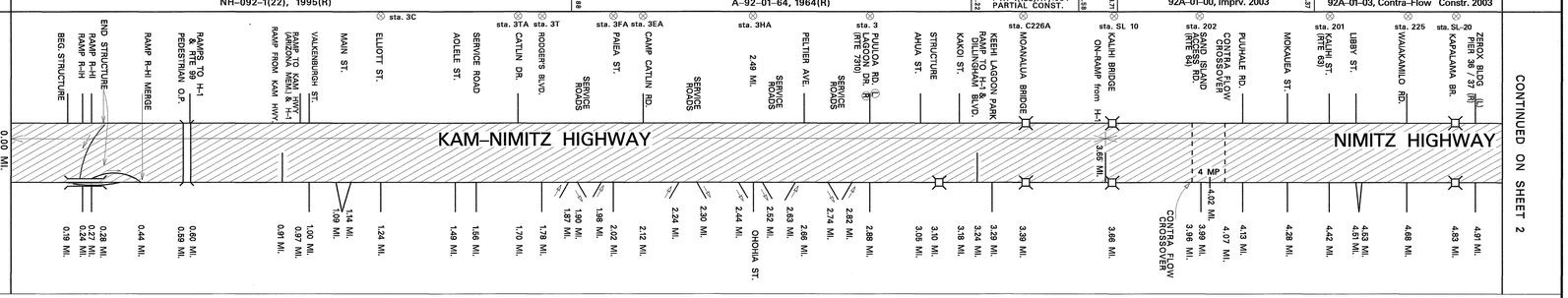
Project No., Type of Construction, and Year Constructed — STP-092-1(24), Resurface 2000; 92A-03-03M, Resurface, 2006

Project No., Type of Construction, and Year Constructed — NH-092-1(22), 1995(R); A-92-01-64, 1964(R); 92A-01-00, Imprv. 2003; 92A-01-03, Contra-Flow Constr. 2003

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage



CONTINUED ON SHEET 2

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type — 4' AC; 8' AC; 10' AC; 8' AC; 0; 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; 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; 2' CONC BARRIER W/3' CONC GUTTER; 6' GRASS & SHRUBS; 20' GRASS/SHRUBS; 28' GRASS

Divided Highway — Divided

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; 36' AC; 48' AC; 60' AC; 48' AC; 36' AC; 48' AC; 36' 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'; 5–12'; 3–12'; 6–12'; 1–12'; 3–12'; 4–12'; 3–11'; 2–11',1–12'; 3–11'; 2–11',1–12'; 3–11'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — ALL TURNING; LANE 11' AC; 2 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.; 9' CONC. SW.; NONE; 6'-8' 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

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

Speed: 1–Design, 2–Posted — 35 MPH ②

Intersection Control Devices: Type, Location and Cycle Timing — 2 Phase; 3 Phase

Traffic Station — B72 0092 00000; B72 0092 00024; 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 00392); B72 0092 00399; B72 0092 00468

HPMS Section — 0.08; 0.43; 0.60; 0.72; 0.86; 0.97; .99; 2.84; 2.94; 3.20; 3.28; 3.58; 3.70; 3.92; 4.48; 4.82

AADT (Year 2006) — 18,300; 0.34; 40,800; 0.61; 8,900; 0.92; 39,500; 1.02; 36,600; 2.86; 52,300; 3.05; 61,800; 3.22; 36,600; 3.37; 28,500; 3.64; 80,400; 3.89; 71,900; 4.68; 73,200

DOD Sections — DOD 240; DOD 245; DOD 250; DOD 255; DOD 260; DOD 265

Census Tracts — 74; 73; 72; 70; 71; 69; 72; 68.03; 66; 59; 58; 57

Functional Classification — PRINCIPAL ARTERIAL (OTHER)

National Highway System (NHS) — NHS; NONE; NHS

Previous Projects: Project No., Date and Limits — 92A-01-03, Contra-Flow Constr. 2003; 92A-01-90M, 1991, RESURF.; 92A-01-78M, 1979, RESURF.; I-H1-1(131):17 NEW CONST. 1982; I-H1-1(99):15, 1981; A-92-01-64, 1964(R); I-H1-1(133):17 PARTIAL CONST. 1982; DANR-19E(1) 1944; DANR-S(1) 1945; SNAF 44-(4), 1949; SN-FAP S-E(3), 1940; DA-NR-10A(1), 1943; DA-NR-10A(1), 1943, 44; DANR-S(1) 1944; SN FAP 44A(2), 1943; F-092-1(2), 1956,57

SCALE: (In Miles) 4" = 1 mile

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

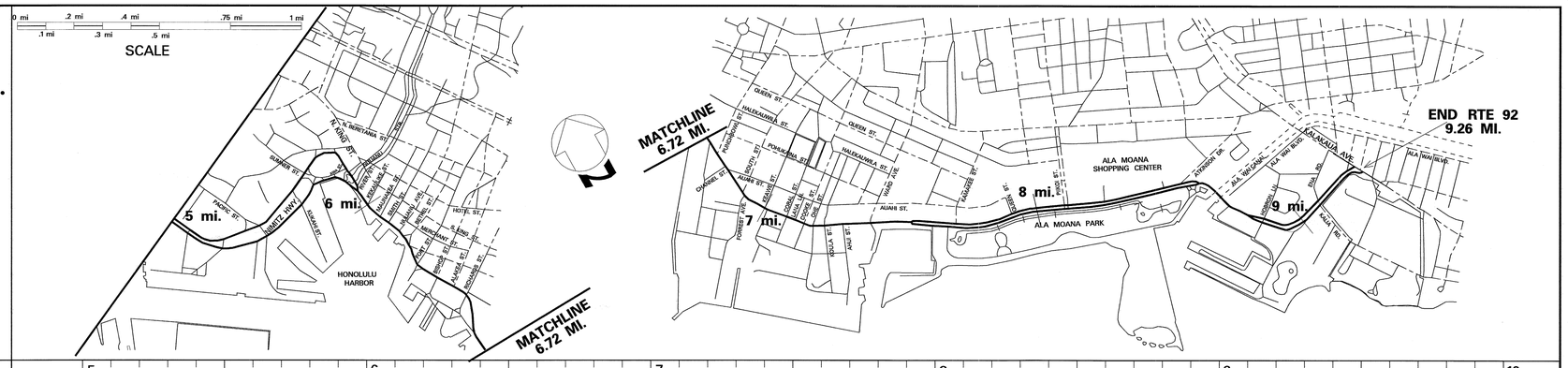
OAHU RTE 92
NIMITZ HWY., AND ALA MOANA BLVD.

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 (8.69); 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' (182' 200' 250' 61'); SLAB 1952 HS 20; 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' (5.26); 75 (O.B.) 100 (I.B.) (5.48); 140' – 155' (6.31); 125' – 136' (6.76); 100'

Available Right of Way Width (Needs Study): INDUSTRIAL / COMMERCIAL; COMMERCIAL AREA (8.66); HOTEL

Right of Way Fence: Type – Right and Left: 15–20' FP, 10' FP, 5' FP, 8' FP (6.76); CL – 8' FP (6.98); SW 8' FP (7.54); STONEWALL 8' FP (7.89); NONE (8.26)

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE; STATE PHASE II (6.98); STATE (7.42); COUNTY (8.67)

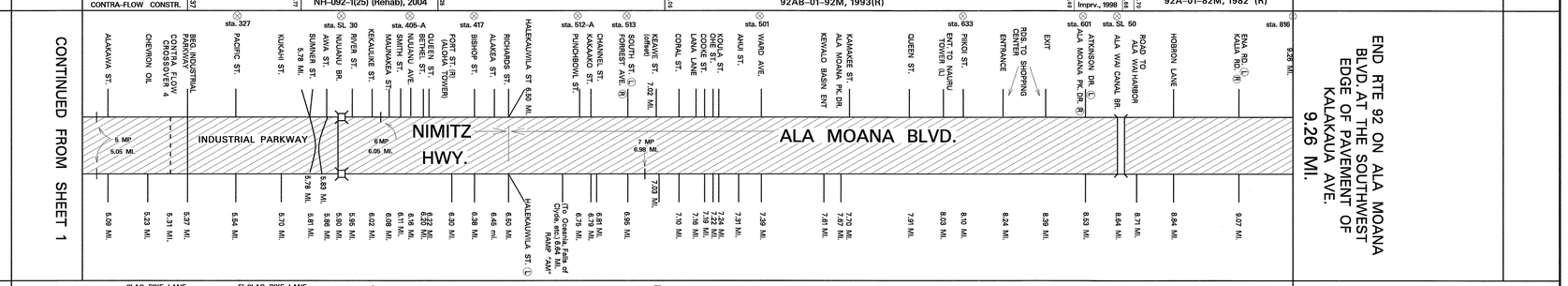
Project No., Type of Construction, and Year Constructed: 92AB–01–06M, Resurf., 2007; NH–092–1(26) Moder. 2005 (8.15); 92AB–01–92M, 1993(R) (8.42); 92A–01–97 Imprv., 1998 (8.66); 92A–01–82M, 1982 (R) (9.21)

Project No., Type of Construction, and Year Constructed: 92A–01–03, 2003 CONTRA-FLOW CONSTR. (5.57); NH–092–1(25) (Rehab), 2004 (5.77); 92AB–01–92M, 1993(R) (7.54); 92A–01–97 Imprv., 1998 (8.66); 92A–01–82M, 1982 (R) (8.70)

Indicates Grass or Physical Barrier on the Median

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided — Shoulder: Width and Type: 8' AC BIKE LANE; 5'-9' AC BIKE LANE; 5' AC BIKE LANE; 5' AC BIKE LANE; (6' AC BIKE LANE); 4' AC BIKE LANE; 5' BIKE LANE; 5' AC; NONE

Pavement: Width and Type: 33' AC; 44' AC; 34' AC; 40' AC; 44' AC; 36' AC; 35' AC; 34' 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; C&G; NONE; CURB & GUTTER; 6' CONC. BARRIER; 4' AC; C&G; BARRIER; 0

Median: Width and Type: 28' GRASS; INDUSTRIAL PARK TYPE OF MEDIAN – COMMERCIAL BUSINESS OCCUPIED; 8'-16' GRASS; 4'-8' CONC.; 10'-15' GRASS; 4'–12' GRASS; (6'-10' PAINTED MEDIAN (FLUSH)); 11' PAINTED; 20' GRASS (FLUSH); 12'-15' COMB. FLUSH/RAISED PAINTED AC MED.; 22' GRASS; RAISED; 20' GRASS

Shoulder: Width and Type: NONE; CURB & GUTTER; C&G; C&G; C&G; (34' AC); 0; 3' RAISED AC W/ PCC CURB; 9' AC; C&G; 0

Pavement: Width and Type: 33' AC; 44' AC; 36' AC; 35' AC; 32' AC; 31' AC; 32' AC; 31' AC; 32' AC; 36' AC; 33' AC; 36' AC; 24' AC

Shoulder: Width and Type: 5' AC BIKE LANE; 6' AC BIKELANE; 5' AC BIKE LANE; 4' AC BIKE LANE; (5' AC BIKELANE); NONE

Number of Traffic Lanes: 3-11'; 4-12'; 4-11'; 3-11'; 3-12'; 2-11', 1-13'; 3-11'; 3-10'; 2-10', 1-12'; 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): 4-11'; (2-11.5', 2-11'); 3-12'; (2-11', 1-13'); 2-10', 1-12'; (2-11', 1-12'); 2-10', 1-12'; 2-10', 1-11'; 3-12'; 3-11'; 3-12'; 2-12'

(Right Side): (2-11.5', 1-11'); (2-10', 1-12'); 12' RAMP "R"; 15' RAMP "M"; 10'; 7.49; 10'; 7.25; BUS STOP; 10'; 7.46; 2-9' TL's; 2-12'; 2-12'; 9'; 10'; 9'; 1-14' TL; 2-16' TL; 1-12' TL; 2-12' TL; 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' CONCRETE SW.; 7' CONCRETE SIDEWALK (L) (R); 10' CONC. S.W.; 6'; 8' SW.; 6'-8' CONC.; 3' CONC.; 3'–7' CONCRETE SIDEWALK; 6'-8' CONCRETE SW.; ALL SIDEWALKS CONCRETE

Curb and/or Gutter: Type (Right and Left): CURB; C&G; 10' CONC. S.W.; CURB – GUTTER (L) (R); 4' SW.; 15' SW.; C A C; A C; PCC CURB & GUTTER (L) (R); C&G; CURB ONLY; C&G (L) (R); A = CONC. CURB, 2' AC GUTTER; C = CONC. CURB, 2' CONC. GUTTER

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.; 18 M.V.; 130 HPS; 58 M.V.

Curves: Degree of Curvature (Right and Left): 11' AC

Superelevation (Range) Conta–Flow/HOV Lane: (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

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.; 4 Ph.; 2 Ph.; 3 Ph.; 2 Ph.)

Traffic Station: B72 0092 00468; B72 0092 00526; B72 0092 00537; B72 0092 00564; B72 0092 00586; B72 0092 00638; B72 0092 00689; B72 0092 00683; B72 0092 00739; B72 0092 00751; B72 0092 00810; B72 0092 00853; B72 0092 00871; B72 0092 00908

HPMS Section: 5.64; 5.96; 6.70; 7.34; 7.51; 8.02; 8.40; 8.68; 9.02; 9.22

AADT (Year 2006): 73,200; 72,600; 69,700; 58,300; 57,700; 50,500; 56,400; 56,500; 41,200; 34,700; 26,200

DOD Sections: DOD 265; DOD 270; DOD 275

Census Tracts: 57; 52; 40; 39; 38; 37; 19.02; 19.01

Functional Classification: PRINCIPAL ARTERIAL (OTHER)

National Highway System (NHS): NHS

Previous Projects: Project No., Date and Limits: 92A–01–78M, 1979 RESURF.; 92A–01–90M, 1991 RESURF.; F–092–1(15) (R), 1981; FR–092–1(17), 1982(R); (HES–092–1(19), 1985 (IMPR. OUTS. LNS.)); EHS–U–092–1(11), 1976; (HHS–092–12, 1979); 92A–01–90M, 1991 Resurface; (92A–02–70, 1972); (S.86 – (U–092–1(8), 1971); 92A–02–70, 1972; 920A–01–74, 1974 RESURF.; F–092–1(2),1956, 57; FU 44 (3) U–1, 1948, 50; FU 44 (3) U–2, 1950, 52; 1950, 53; U 44 (6), 1951; COUNTY; U44(9), 1952

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

ROAD INVENTORY

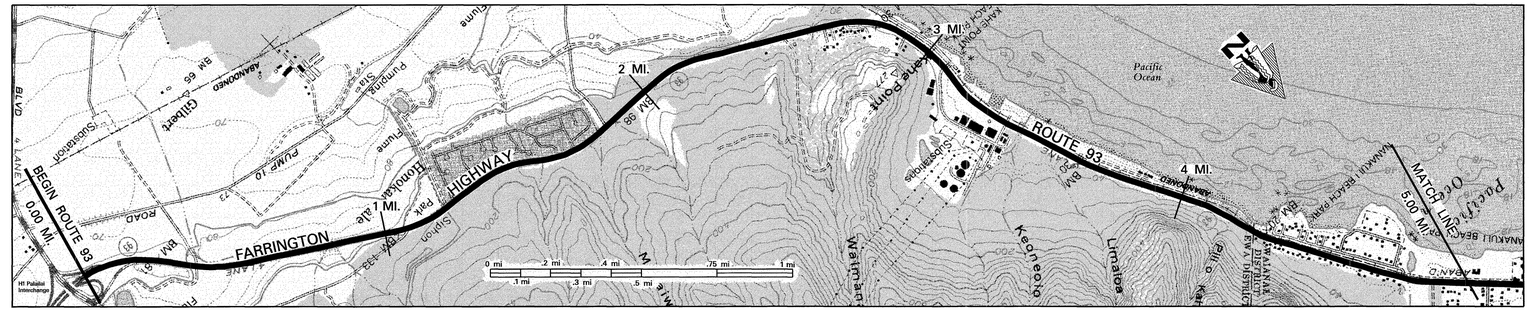
OAHU RTE 93
FARRINGTON HWY

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

Beg. 93A on Farr. Hwy. 322' West of Centerline Palailai O.P. — 93A (11.31mi.)

Structure Carrying Road

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

Prestressed Tension Girder, 1989, HS-20-44 (2.42); TBM, HS-20, 1967, 66' (L) & (R) (3.45); Slab, HS-20, 1969 (4.20, 4.32, 4.40, 4.53); TBM, HS-20, 1970 (4.61)

Vertical Clearance: 25' (4.20); 82' (4.61)

Horizontal Clearance: 36' (L) 37' (R) (3.45); 55' (4.20); 51' (4.61)

Structure Over Road

Vertical Clearance: 16' (2.42)

Horizontal Clearance: 31' (2.42)

Right of Way Width (min.–max.) if varies: Varies 125'–210' (2.42); 61'–130' (4.20)

Available Right of Way Width (Needs Study): Clear 1000' Sugar Cane 20' FP (1.00); Bushes Trees & Grass (4.20); Residential Area

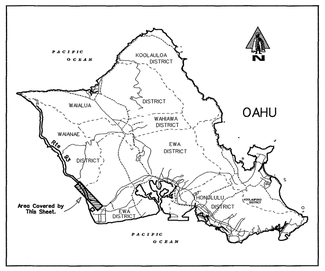
Right of Way Fence: Type – Right and Left: Wire on Wood (1.27–1.72); Wire on Wood 20'-30' FP (1.72–2.43); Chain Link (3.12–3.42); [Stone Wall] (L) & (R) (4.69)

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

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

Project No., Type of Construction, and Year Constructed: IM-NH-H1-1(239), Reconstruct, 2004 (0.36); 93A-06-98 Inter. Imprv., 2001 (1.60–1.98); 93A-02-98M, 1999 (R) (2.39–3.36); NH-093-1(19), 2000 (3.36–3.74); 93A-02-98M, 1999 (R) (3.74–4.20); STP-093-1(18), Safety Imprv., 2006 (4.20–5.00)

Project No., Type of Construction, and Year Constructed: 93A-01-96M, 1997 (R) (2.47); F-093-1(6) 1984 (3.36–4.20); 93A-01-97M, 1998 (R) (4.20–5.00)



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

BEGIN ROUTE 93 ON FARRINGTON HIGHWAY 322' WEST OF CENTER LINE PALAILAI O.P. (SAME AS BEGIN H-1). 0.00 mi.

FARRINGTON HIGHWAY

Off-Ramp 0.06 mi. | On-Ramp 0.18 mi. | Tractor Crossing On Median 0.38 mi. | Tractor Crossing On Median 0.87 mi. | Old Farrington Hwy. 1.10 mi. 1.09 mi. | Lealoa St. 1.27 mi. | ECB 1.62 mi. | Waiomea St. 1.71 mi. | Koio Dr. (to West Beach) 1.87 mi. 1.84 mi. | ECB Off-Ramp to Kolina 2.15 mi. 2.13 mi. | Off-Ramp to Kolina (Kolina Bound) Overpass to Kolina On-Ramp from Kolina 2.34 mi. | Road to Landfill (Waimanalo Gulch) 2.50 mi. 2.45 mi. 2.42 mi. 2.56 mi. | Road to Beach Park MP 3.03 mi. 3 MP | ECB 3.09 mi. 3.05 mi. 3.02 mi. | Roads to Hawaiian Electric Co. 3.38 mi. | Keoneoio Br. 3.45 mi. | Exit to "Tracks" Beach Park 3.60 mi. | ECB 3.91 mi. | Pili O Koi Br. End Divided 4.14 mi. | Facility Rd. 4.20 mi. | No Name Br. 4.26 mi. | Begin Divided Hwy. No Name Br. Ponahunui Ave. 4.32 mi. 4.37 mi. 4.40 mi. | Pilikoki Ave. No Name Br. 4.47 mi. | End Divided Hwy. 4.53 mi. | Nanakuli Str. Br. Ponahunui Ave. Laumania Ave. 4.67 mi. | ECB 4.74 mi. 4.78 mi. 4.81 mi. 4.89 mi. | Nanakuli Urban Boundry 4.81 mi.

CONTINUED ON SHEET #2. 5.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type: 4'–6' AC

Pavement: Width and Type: 24' AC

Shoulder: Width and Type: 1' AC

Divided Highway — Median

Width and Type: Concrete Barrier (0.38); 24' Grass (0.38–1.62); 2' Conc. Barrier (1.62–1.86); 2' Conc Portable Guardrail (1.86–2.28); 24' Grass (2.28–2.57); 2' Conc Portable Guardrail (2.57–3.00); 24' Grs. (3.00–3.19); 2' Conc Portable Guardrail (3.19–3.35); 24' Grs. (3.35–3.93); 10' Grs. (3.93–3.95); 24' Grass (3.95–4.04); (0'-10') (4.04–4.14); (2' Conc. Portable Guardrail) (24' Grass); (0); 14' Painted AC (4.47–4.67)

Shoulder: Width and Type: 6' AC

Pavement: Width and Type: 1' AC; 24' AC; 0; 24' AC

Shoulder: Width and Type: 4'–6' AC; 4' AC

Number of Traffic Lanes: 4–12'; 4–11'; 4–12'; 4–11'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 1-12' Accel. (0.38–0.94); 1-12' T.L. (1.09–1.31); 1-12' Accel. (2.28–2.46); 1-12' Decel. (2.50–2.69); 1-12' Decel. (3.46–3.68); (12' T.L.) (4.20–4.65)

(Right Side): Decel. (2.02–2.13); (10' T.L.) (4.20–4.55)

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

Sidewalk: Width and Type (Right and Left): 3' AC (4.20–4.40); 3' AC (4.40–4.61); 3' CONC. SW

Curb and/or Gutter: Type (Right and Left): (Conc. Gutter) (1.34–1.42); Conc. Gutter (1.42–1.61); Conc. Gutter (2.04–2.19); Conc. Gutter (2.19–2.34); (Conc. Curb) (3.36–3.46); AC Curb (4.34–4.80)

Protective Devices: Type, Location and Number — M/M = Metal Rails on Metal Posts. M/C = Metal Rails on Concrete Posts.

Illumination: Type, Location and Number: MV (0.32–0.36); 1MV (1.27–1.34); 190 HPS (4.20–4.80)

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 (2.66); Rural (4.89); Urban

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: (1) Flat (1.00); (2) Rolling (4.34); (1) Flat

Speed: 1–Design, 2–Posted: 55 MPH (MIN 45 MPH) (2); 55 MPH (2); 45 MPH (2) (0.72–3.48); 35 MPH (2) (4.57); (School Zone) (25 MPH (2))

Intersection Control Devices: Type, Location and Cycle Timing: 3 Phase (1.27); 3 Phase (1.71)

Traffic Station: B72 0093 00000; B72 0093 00036; B72 0093 00135; B72 0093 00162; B72 0093 00175; B72 0093 00228; B72 0093 00260; B72 0093 00330; B72 0093 00404; B72 0093 00412; B72 0093 00426; B72 0093 00481

HPMS Section: 0.44 (0.38); 1.54; 2.00 (1.76); 2.60; 3.45 (3.30); 4.12 (4.04); 4.82 (4.61)

AADT (Year 2006): 57,200 (1.36); 57,200 (1.62); 50,100 (2.28); 40,200 (3.30); 40,200 (4.26)

DOD Sections: DOD 315

Census Tracts

Functional Classification: Principal Arterial

National Highway System (NHS): NHS

Previous Projects: Project No., Date and Limits

93A-02-98M, 1999 (R) (2.39–3.36); 93A-02-98M 1999 (R) (3.72–4.20)

F-093-1(6), 1984; F-093-1(7), 1985 (R)

S-0900(3), 1965, 1968; B-900-01-64 U-1 1967, 1970 (3.82–4.81); B-900-01-64 UNIT 2 1968,70

SCALE: (In Miles) 4" = 1 mile

Date Released	
Sept 2002, DB	
Revised	
Aug. 04	D.B.
Jan. 05	D.B.
May 06	G.N.
Mar 07	D.B.

ROAD INVENTORY

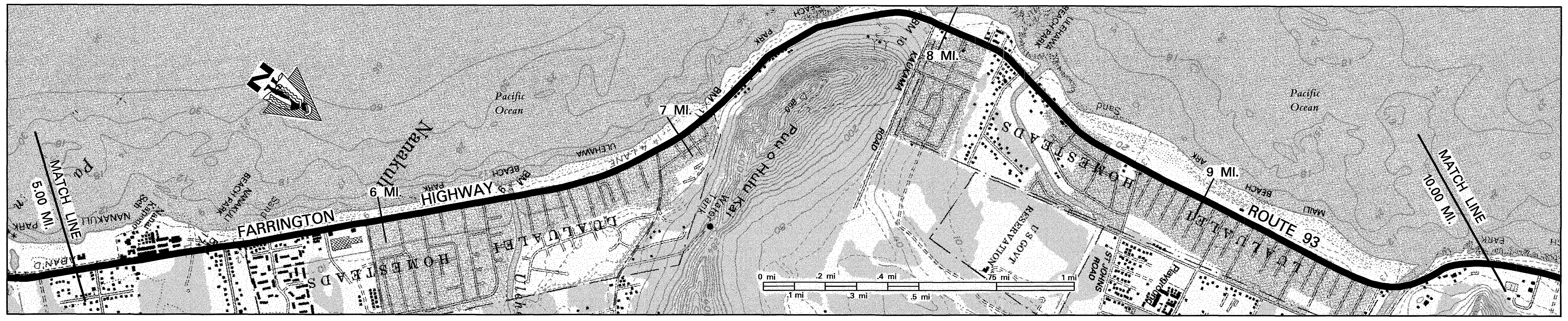
OAHU RTE 93
FARRINGTON HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

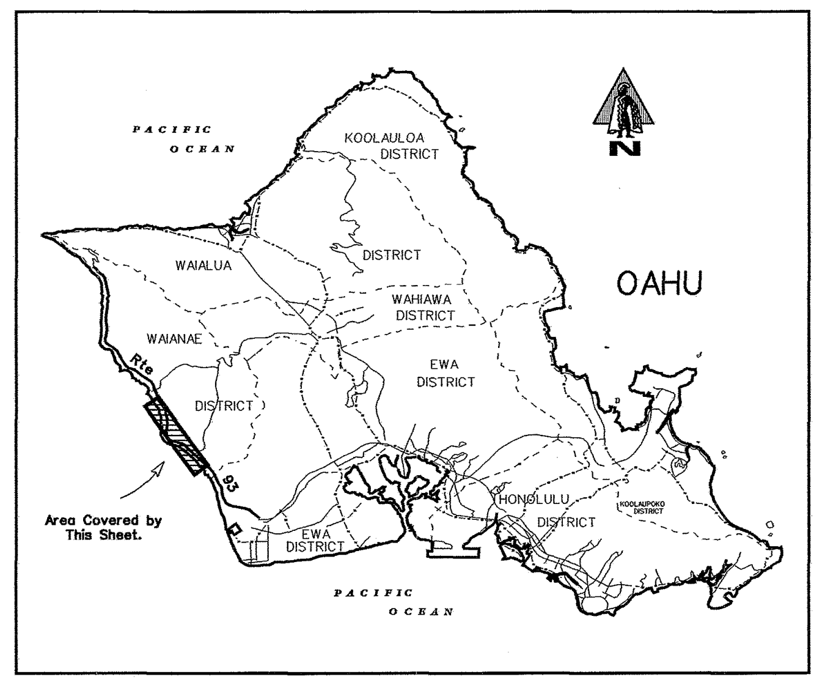
PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

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 ______



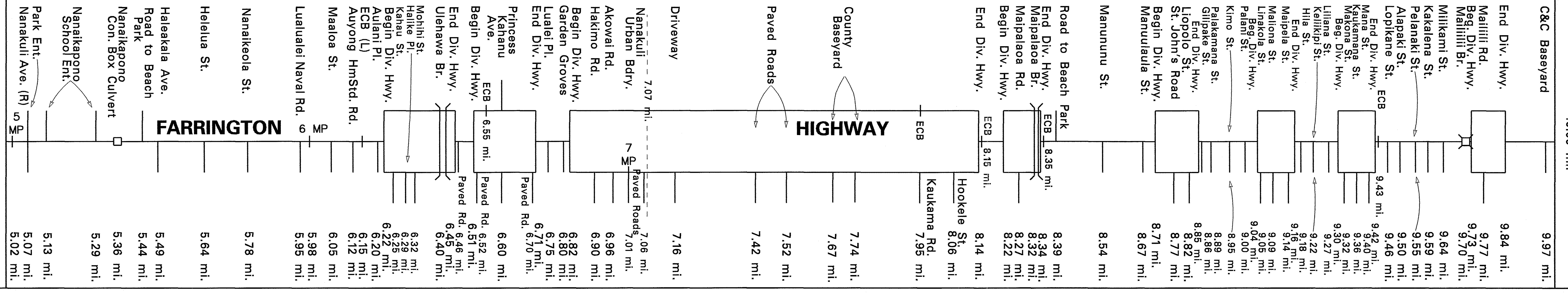
SCALE: (In Miles) 4" = 1 mile	5 – 6 – 7 – 8 – 9 – 10
Maintenance Control Sections : Length and Description	93A (11.31 mi.)
Structure Carrying Road – Bridges (Over 20'): Length, Type, Capacity and Year Constructed	CULVERT, HS-20, 1969 27'; OTH, HS-20, 1970 91'; OTH, HS-20, 1970 100'; CONT. CONC. SLAB, HS-20, 1976 174'
Structure Carrying Road – Vertical Clearance	5.36; 6.40; 8.32; 9.70
Structure Carrying Road – Horizontal Clearance	51'; 59'; 58'; 60'
Structure Over Road – Vertical Clearance	
Structure Over Road – Horizontal Clearance	
Right of Way Width (min.–max.) if varies	61' – 130' | 6.90 | 92' | 9.63 | Varies 60' – 170'
Available Right of Way Width (Needs Study)	Residential Area | 7.46 | Brush | 7.94 | Residential / Commercial
Right of Way Fence: Type – Right and Left	(Stone Wall (L) & (R)) → 5.11 Stone Wall 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) | 8.09 | 9.04 | 9.17 (93A–03–97, Inter. Imprv. 1999)



Road Diagram

* MP=Milepost Signage

CONTINUED FROM SHEET #1. 5.00 mi.



CONTINUED ON SHEET #3. 10.00 mi.

SCALE: (In Miles) 4" = 1 mile	5 – 6 – 7 – 8 – 9 – 10
Undivided Highway – Shoulder: Width and Type	4' AC | 7.01 | 4'–9' AC | 7.89 | 6' AC | 9.56 | 10' Gravel
Undivided Highway – Pavement: Width and Type	44' AC | 22' AC | 44' AC | 24' AC | 44' AC | 22' AC | 44' AC | 22' AC | 44' AC | 22' AC | 44' AC | 22' AC | 44' AC | 22' AC | 44' AC | 22' AC | 44' AC
Divided Highway – Shoulder: Width and Type	1' AC | 0 | ←(8'–10' AC) 0 | 8'–10' AC | 0 | 2.5' AC | 0 | 6'–8' AC | 0 | 6' AC 8.53 8'–10' AC | 0 | 8'–10' AC | 0 | 8'–10' AC | 0 | 8'–10' AC | 0 | 8' AC
Median: Width and Type	6.22 11' Paint 6.45 | 6.51 12' Paint 6.71 | 6.82 8' Paint | 7.01 2' Moveable Concrete Barrier 7.89 | 11' Painted Median | 8.14 8.22 10' Paint 8.34 | 8.71 10' Paint 8.85 | 9.04 10' Paint 9.16 | 9.30 10' Paint 9.42 | 9.73 11' Painted Median 9.84
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 | 7.01 4'–9' AC 7.89 | 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)	6.32 6.38 | 6.60 6.65 | 7.95 | 8.27 8.31 | 8.77 8.81 | 9.09 9.13 | 9.36 9.40 | 9.77 9.80
(Right Side)	5.75 5.78 | 11' TL | 6.57 6.60 12' TLs | 7.92 7.95 8.03 8.06 8.11 | 1–10' (L) T.L. | 10' T.L. | 10' T.L. | 9.33 9.36 10' T.Ls | 11'
Frontage Road: No. of Lanes, and Width (Right and Left)	6.31 6.37 | 8.52 8.56 8.61 8.65 | 9.46
Sidewalk: Width and Type (Right and Left)	3' CONC SW → 5.17 | 3'–5' AC | (8' Conc.) | 3'–5' AC | 9.64 | 9.78 3' AC
Curb and/or Gutter: Type (Right and Left)	AC Curb 6.45 | 7.32 AC Curb 7.49 | (4' Conc. Gutter) → | ← (4' Conc. Gutter) | AC Curb
Protective Devices: Type, Location and Number (M/M – Metal Rail on Metal Post)	5.35 5.38 M/M M/M | 6.41 6.42 M/M | 6.87 M/M 7.08 | 7.34 M/M | M/M 7.94 | Metal Pipe Railing .60 .64 .71 .93 | 8.30 M/M 8.39 | 9.87 M/M
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:	Urban
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	(1) Flat | 7.00 (1) Flat / (2) Rolling | 8.00 | (1) Flat | 9.75 (2) Rolling
Speed: 1–Design, 2–Posted	School Zone 25 MPH (2) 5.33 | 35 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	5.07 2 Ph. | 5.19 Pedestrian Walk Light | 5.49 3 Phase | 5.64 3 Phase | 5.78 | 5.95 2 Phase | 6.12 3 Phase | 6.32 2 Phase | 6.90 2 Phase | 3 Phase 8.06 | 8.27 3 Phase | 2 Phase 8.77 | 3 Phase 9.09 | 9.36 2 Phase | 9.77 3 Phase
Traffic Station	(B72 0093 00481) → | B72 0093 00507 | B72 0093 00644 | B72 0093 00690
HPMS Section	5.88 | 6.80 | 9.66
AADT (Year 2006)	(40,200) → 5.07 | 39,500 | 6.44 | 37,900 | 6.90 | 33,400
DOD Sections	DOD 315 | 5.95 | DOD 320
Census Tracts	
Functional Classification	Principal Arterial
National Highway System (NHS)	NHS
Previous Projects: Project No., Date and Limits	F–093–1(7), (R) 1985 | 6.22 | 6.45 | 93A–01–86M, (R) 1987 | 7.37 | 7.39 | 93A–01–85M, (R) 1985 | 8.02 | 93A–01–85M (R) 1985 | 8.21 | STP–093–1(16) Imprv., 1997 | 8.34 | 93A–01–85M (R) 1985 | 8.74 | (93A–01–88, Traffic Signals & Imprv. 1988) | 8.83 | 93A–01–85M (R) 1985 | 8.99 | STP–033–1(14), (R) 1997
	93A–01–97M, (R) 1998 | 8.09
	6.22 93A–02–90, 1993 Traf. Signal Improv. 6.45 | (93A–03–86, Traf. Signals, 1987) 8.02 | 8.17 | (93A–01–88, Traf. Sig. & Imprv., 1988) 8.74 | 8.83 | 9.30 | 9.42 (93A–01–88, Traf. Sig. & Imprv., 1988)
	6.42 | 93A–01–86M, 1987 (R) | 7.37 | 7.39 | 93A–01–85M, 1985 (R) | 9.55
	B–900–01–64 Unit 2, 1968, 70 | 6.36 ← 900B–02–68 UNIT1, 1969,70 → | 6.42 | 7.14 ← 900B–02–68 UNIT2, 1969 → 9.55 | 9.46 ← 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

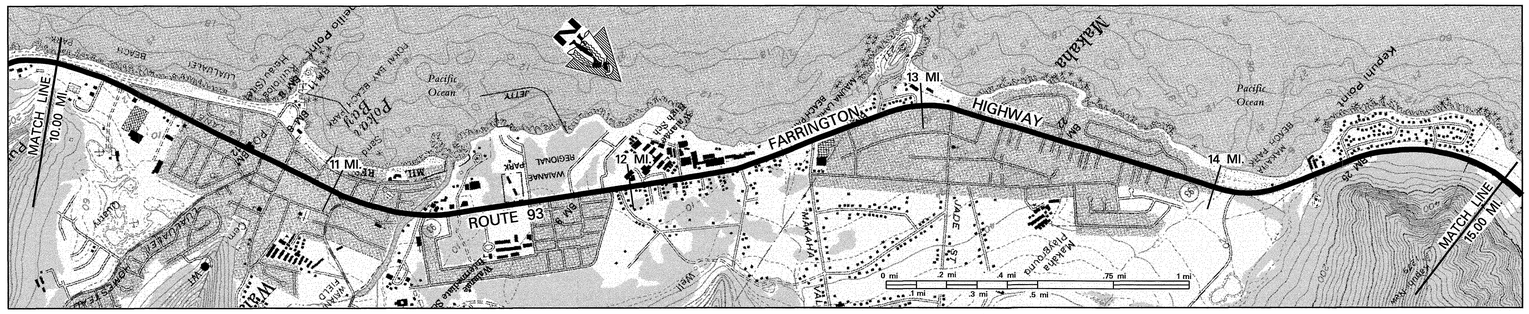
OAHU RTE 93
FARRINGTON HWY

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. | 93B (4.34 mi.)

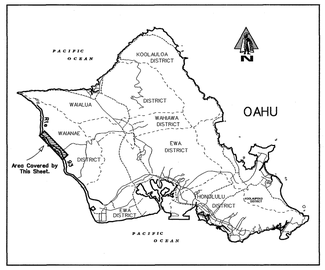
Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed	TBM, HS–20, 1965 147' (11.28) | PRESTRESSED SLAB HS–20–44, 1989 58' (12.48) | SLAB, H–15, 1937 24' (12.73) | TS, H–15, 1937 60' (14.22) | TS, H–15, 1937 78' (14.10)
Vertical Clearance	
Horizontal Clearance	28' | 60' | 40' | 24' | 24'

Structure Over Road

Vertical Clearance	
Horizontal Clearance	

Right of Way Width (min.–max.) if varies	60'–170' (10.81) | 60' (12.80) | 80' | (14.07) 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)	(10.06) CL 15' FP | (11.51) CL (11.62) 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
Project No., Type of Construction, and Year Constructed	STP–093–1(18), Safety Improvements, 2006
Project No., Type of Construction, and Year Constructed	STP–093–1(14), 1997 (R) | (11.40) 93B–02–91, Widening, 1996 | (12.78) 93B–01–86M, (R) 1987 | (14.15) 900C–01–67, 1966 | (14.65) STP–93–1(12), (R) 1996



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #2.

10.00 mi. Beach Park Rd. | 10.05 mi. Leihoku St. | 10.14 mi. Begg. Div. Hwy. Waiahole Water Treatment Plant | 10.19 mi. Begg. Div. Hwy. Driveway to Mall & End Div. | 10.22 mi. Pokai Bay St. | 10.33 mi. Rd. to Waianae Boat Harbor | 10.47 mi. Ala Poko St. | 10.59 mi. Glennonger St. | 10.65 mi. Puhano St. | 10.75 mi. Luaiulalei Hmstd. Rd. | 10.83 mi. Waianae Valley Rd. | 10.94 mi. Bay View St. | 11.04 mi. Army St. Guard Gov't. Rd. | 11.11 mi. Old Gov't. Rd. | 11.17 mi. Kaupuni Br. Kaupuni St. | 11.19 mi. Old Gov't. Rd. | 11.28 mi. Ala Hema St. | 11.33 mi. Ala Walua St. Waianae State Boat Harbor 11.67 mi. | 11.39 mi. Waianae District Park Kauiokalani Pl. | 11.46 mi. Ent. to Waianae Library | 11.51 mi. Ent. to Waianae Inter. School | 11.53 mi. | 11.73 mi. Ala Walua St. Waianae State Boat Harbor 11.67 mi. | 11.87 mi. Ent. to Playing Field | 11.96 mi. Kaulawaha Rd. Ala Akau St. | 12.03 mi. Roads to Waianae High School | 12.12 mi. | 12.17 mi. | 12.20 mi. Alava Pl. | 12.34 mi. Maiuu Rd. | 12.42 mi. Makaha Br. #2 Telemetry Counting Sta. | 12.48 mi. | 12.62 mi. Makaha Valley Rd. | 12.71 mi. Makaha Bridge #2A End Div. Hwy. | 12.72 mi. Orange St. | 12.77 mi. | 12.84 mi. | 12.87 mi. Culvert | 12.98 mi. Lahilahi St. | 13.09 mi. Jade St. | 13.17 mi. Moua St. | 13.22 mi. Rd. to Nalu Nani Court Culvert | 13.26 mi. | 13.46 mi. Moua St. | 13.61 mi. Kipapa Pl. Upena St. | 13.69 mi. | 13.73 mi. Kapakai St. Water St. | 13.86 mi. Upena St. Culvert | 13.87 mi. | 14.02 mi. Makaha Br. #3 Kill Dr. | 14.07 mi. Makaha Br. #3A | 14.10 mi. | 14.28 mi. Rd. to Hawaiian Tel Rd. to Makaha Beach Restrooms | 14.34 mi. | 14.44 mi. Makau St. | 14.54 mi. Culvert | 14.63 mi. ECB (R) | 14.75 mi. Lawaia St. | 14.97 mi. Culvert | 14.95 mi. 15MP

FARRINGTON HIGHWAY

CONTINUED ON SHEET #4. 15.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided: Shoulder: Width and Type	10' Gravel | 1' AC (30' Grs.) | 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
Pavement: Width and Type	44' AC | 24' AC | 48' AC | 44' AC | 22' AC | 20' AC | 21' AC | 20' AC
Shoulder: Width and Type	8' AC | 0 | 8' AC | 0 | 4' AC | 8' Coral | 8' Grass | 8'–12' Dirt
Median: Width and Type	(0'–10' Paint) | 0'–10' Paint
Shoulder: Width and Type	0 | 0
Pavement: Width and Type	24' AC | (24' AC) | 24' AC | 20' AC
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. | 15.5' 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 | 6' Conc. | 8' Conc. | 15 Conc. Curb (L) & (R) | 8' Conc. | AC Curb & Gutter | 2' Conc. Curb & Gutter
Protective Devices: Type, Location and Number	(M/M) M/M | 1–S | 10.45 / 10.58 Conc. Curb & Gutter | Metal Pipe Railing | 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:	Urban | Rural
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 | Traffic Light | Traffic Light
Traffic Station	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 Section	10.76 | 11.27 | 12.49 | 12.91 | 13.47 | 14.01
AADT (Year 2006)	33,400 | 26,800 | 26,700 | 19,100 | 11,600 | 8,900 | 6,500 | 1,400
DOD Sections	DOD 320
Census Tracts	
Functional Classification	Principal Arterial | Minor Arterial
National Highway System (NHS)	NHS | None
Previous Projects: Project No., Date and Limits	(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.
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ROAD INVENTORY

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FARRINGTON HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
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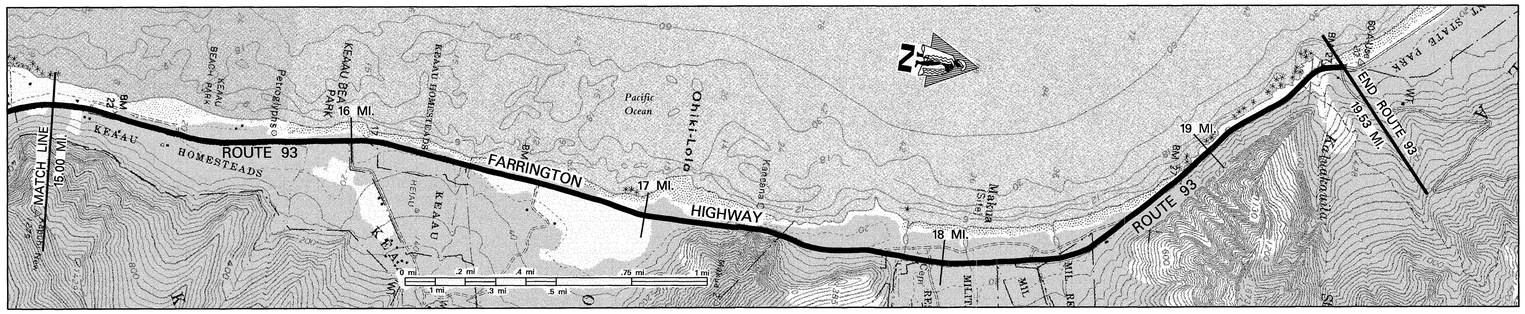
Total Designated Route Length:	19.53	MILES (a+b)
a. Existing Length:	19.53	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	19.53	MILES (a+b, less c)
a. Existing Length:	19.53	MILES
b. Temporary Length:	0.00	MILES
c. Length used as T.W. for another Route:	0.00	MILES (–)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____

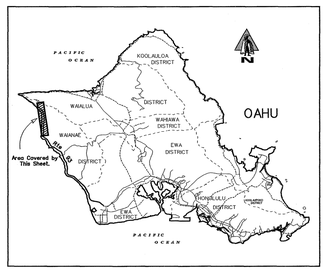


SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

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') (15.75); PRE-STRESSED CONC. PLANK, HS-20-44, 1996 (123') (16.32); PRE-STRESSED CONC. PLANK, HS-20-44, 1996 (50') (16.81); PRE-STRESSED CONC. PLANK, HS-20-44, 1996 (32') (17.03); CULVERT, HS-20, 1964 (22') (17.88) (47') (18.07) (22') (18.37)
Structure Carrying Road: Vertical Clearance	
Structure Carrying Road: Horizontal Clearance	40' 40' 40' 40' 34' 32' 34'
Structure Over Road: Vertical Clearance	
Structure Over Road: Horizontal Clearance	
Right of Way Width (min.–max.) if varies	60'–85' (17.72) 80'–110'
Available Right of Way Width (Needs Study)	Residential Area
Right of Way Fence: Type – Right and Left	(Wood on Wood) (15.49) (15.51) Wire on Wood (15.89) (16.99) Wire on Wood, 10'–15' from Pavement (18.03) (Chain Link) (18.50)
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 (16.71) (BR-093-1(11), Bridge Replacement, 1996) (16.80) STP-93-1(12), (R) 1996 (16.83) (16.94) (16.95) (16.98) (17.07) (17.72) 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) (17.03 mi.); Culvert (17.32 mi.); Makua Culvert (17.80 mi.); Tractor Crossing Military Training Area (17.86 mi.); Makua 2 Cell Culvert (17.93 mi.); Makua Culvert Beach (17.97 mi.); Makua, 3 Cell Culvert (18.07 mi.); Makua, 2 Cell Culvert (18.37 mi.); Hawaiian Tel. Sub Station (18.56 mi.); Access to Makua Beach (Barricaded) (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.); END ROUTE 93 ON FARRINGTON HIGHWAY AT KAYAK PARK BOUNDARY GATE (NORTH EDGE OF PAVEMENT OF SATELLITE TRACKING STATION ROAD), 19.53 mi.

FARRINGTON HIGHWAY; 17MP; 18MP

SCALE: (In Miles) 4" = 1 mile

Divided Highway, Undivided: Shoulder: Width and Type	8'–10' Grass (15.49); 10'–12' Grass (16.38); 8'–10' Grass (16.46); 12' Grs. (16.49); 7' Grass (16.78); 5' Grass (17.08); 6' Dirt (17.50); 6' Gravel (17.68); 8'–10' Coral (17.86); 5' Coral (18.23); 16' Coral (18.37); 8' Coral (18.55); 2'–4' Coral (18.70); 8' Gravel (18.77); 0 (18.98); 8' Coral
Divided Highway, Undivided: Pavement: Width and Type	20' AC (15.49); 21' AC (16.73); 19' AC; 21' AC (17.86); 22' AC (18.98); 20' AC
Divided Highway, Undivided: Shoulder: Width and Type	8'–12' Dirt (15.27); 5' Grass; 8'–12' Coral (18.07); (18.37); 2' Dirt (18.37); 8'–10' Coral
Divided Highway: Median: Width and Type	
Divided Highway: Shoulder: Width and Type	
Divided Highway: Pavement: Width and Type	
Divided Highway: Shoulder: Width and Type	
Number of Traffic Lanes	2–10' (15.49); 2–10.5' (16.73); 2–9.5' (17.50); 2–10.5' (17.86); 2–11' (18.98); 2–10'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	
(Right Side)	(20' Parking Lot) (16.05) (16.09); (22' Parking Lot) (17.35) (17.41)
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	(18.05) (18.10) M/M; (18.35) (18.39) M/M; (18.63) (18.67) M/M; (18.85) (18.88); (18.92) (18.96); (19.04) (19.07); (19.19); (19.33) (19.38)
Illumination: Type, Location and Number	Mercury Vapor Lamps (15.44) (18.32) (18.10) (18.41) (18.43) (18.61) (18.66)
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
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Flat (15.49) Rolling; Flat (17.35); Flat Mountainous (18.03); Flat (18.35); Flat Mountainous
Speed: 1–Design, 2–Posted	45 MPH (2) (15.20) 35 MPH (2); 45 MPH (2) (17.44); 25 MPH (2); 45 MPH (2); (Not Posted)
Intersection Control Devices: Type, Location and Cycle Timing	(19.47)
Traffic Station	B72 0093 01475; B72 0093 01673 (16.73); B72 0093 01710
HPMS Section	17.03 (17.10)
AADT (Year 2006)	1,400 (19.53)
DOD Sections	DOD 320
Census Tracts	
Functional Classification	Minor Arterial
National Highway System (NHS)	None
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 (17.69); R-AD 2(1), 1963

SCALE: (In Miles) 4" = 1 mile

Date Released	
Sept 2002, DB	
Revised	
5/06	G.N.
3/07	D.B.

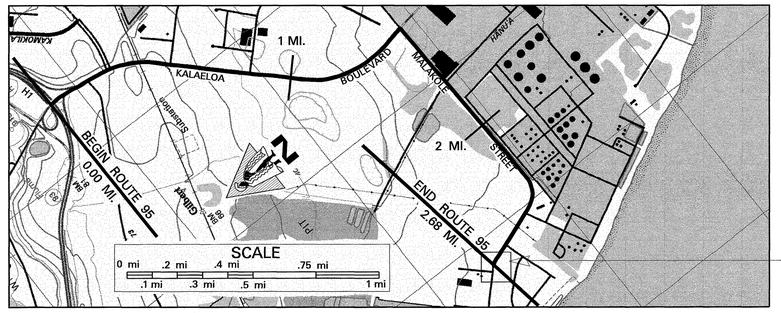
ROAD INVENTORY
OAHU RTE 95
KALAELOA BOULEVARD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

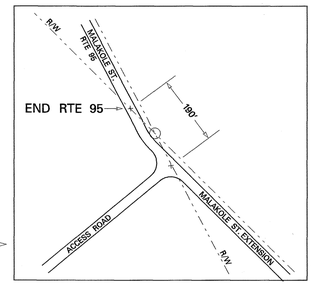
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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
*



SEE INSET



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

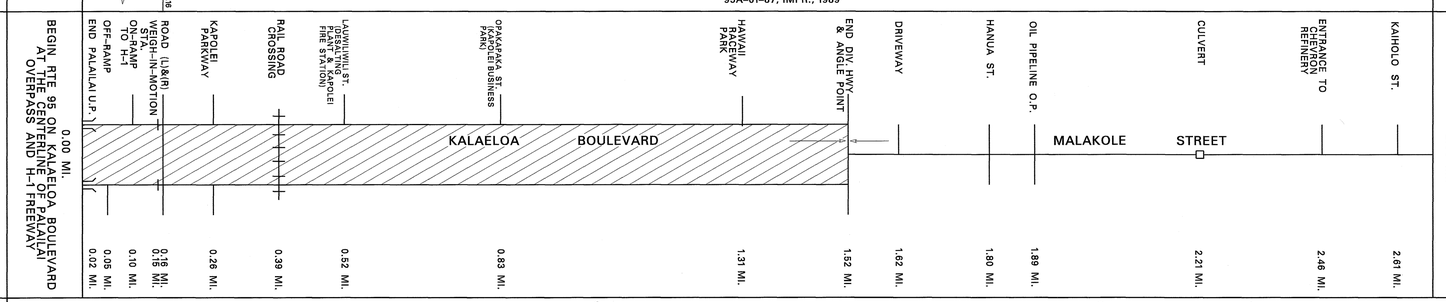
Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed
Vertical Clearance
Horizontal Clearance
Structure Over Road — Vertical Clearance
Horizontal Clearance

Right of Way Width (min.–max.) if varies: VARIES 0.16; 108'; 1.62; 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)
Project No., Type of Construction, and Year Constructed: 0.16; 95A-01-87, IMPR., 1989

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: 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; 0.46 (2' CONC. GUTTER); 0'; 2' CONC. GUTTER & CURB; 4' AC

Divided:
Median: Width and Type: (6' CONC.); 6'–16' GRASS; 0.26; 15' GRASS; 1.40; 4' GRAVEL; 1.52
Median Barriers:
Shoulder: Width and Type: 0.06; 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; 1.50; (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 2.25; 2.51; 2.54; 2.65
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
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: FLAT
Speed: 1–Design, 2–Posted: NOT POSTED; 0.11; 35 MPH (2); 1.45; 25 MPH (2); 35 MPH (2); 1.67; 25 MPH (2); 2.62; (NOT POSTED)
Intersection Control Devices: Type, Location and Cycle Timing: 0.26; 2 PHASE; 1.51; 2 PHASE
Trafic Station: B72 0095 00000; B72 0095 00152; B72 0095 00180
HPMS Section: 0.16; 1.70; 2.30
AADT (Year 2006): 17,000; 1.52; 4,100; 1.80; 2,600; 2.68

DOD Sections
Census Tracts
Functional Classification: PRINCIPAL ARTERIAL
National Highway System (NHS): NHS
Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 4" = 1 mile

Date Released
MAR. 05, D.B.

Revised	
5/06	G.N.

ROAD INVENTORY
OAHU RTE 98
VINEYARD BLVD., HALONA ST., OLOMEA ST.

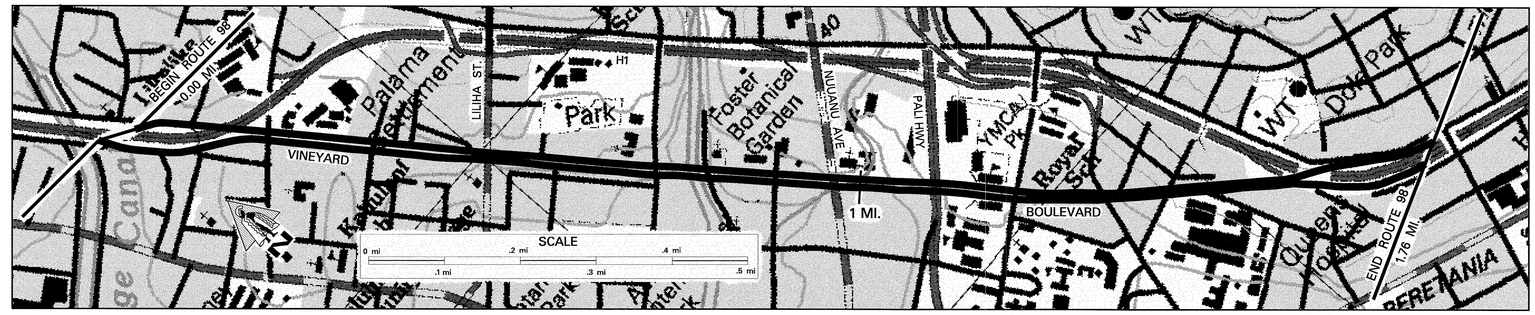
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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.)
- 1.60 END 98A AT BEGINNING OF ON-RAMP STRUCTURE

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' / (L) CONC. BOX GIRDER, 1969, HS 20, 453' (1.60); PEDESTRIAN, 1969 (1.68)
- **Vertical Clearance**: 99' (0.77); 31' / 31' (1.60)
- **Horizontal Clearance**

Structure Over Road
- **Vertical Clearance**: 15' 08" (1.18); 21' (1.68)
- **Horizontal Clearance**: 55' (1.18); 37' (1.68)

Right of Way Width (min.–max.) if varies: ESTIMATED 110'

Available Right of Way Width (Needs Study): RESIDENTIAL AREA (0.81–1.24); 8' FROM E.P. STONE WALL (1.24–1.34); 1.34–1.39

Right of Way Fence: Type – Right and Left: 8' FROM EDGE OF PAVEMENT CHAIN LINK (0.00–0.33); CHAIN LINK 8' FROM EDGE OF PAVEMENT (0.33–1.24); CHAIN LINK 8' FROM EDGE OF PAVEMENT (1.24–1.34); CHAIN LINK 8' FROM EDGE OF PAVEMENT (1.34–1.46)

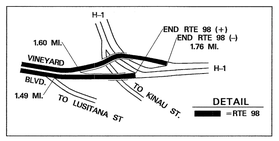
Control of Access: 1–None, 2–Partial, 3–Full

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

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed: STP–098–1(10) & NH–098–1(9), 1995; 0.92 98A–01–98, 2000 1.03; STP–098–1(10) & NH–098–1(9), 1995

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. HALONA ST. / OLOMEA ST. — VINEYARD BLVD. — 1.77 MP

AULD LN. 0.05 MI.; IAO LN. 0.08 MI.; KUIPAAKEA LN.; 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); PALI HWY 1.01 MI. (1 MP); PEDESTRIAN OVERPASS 1.11 MI.; QUEEN EMMA ST. 1.16 MI.; PUNCHBOWL ST. 1.22 MI.; PELE ST. 1.34 MI.; MILLER ST. 1.36 MI.; LUSITANA ST. 1.42 MI.; VINEYARD BLVD. RAMP STRUCTURE 1.49 MI.; PEDESTRIAN OVERPASS 1.60 MI.; 1.68 MI.; 1.76 MI.

END ROUTE 98 ON VINEYARD BLVD. AT THE END OF THE ON-RAMP TO H-1 (AT CONCRETE NOSE). 1.76 MI. MP

SCALE: (In Miles) 10" = 1 mile

Divided Highway

Undivided
- **Shoulder: Width and Type**: 12' AC (0.00–0.03); CURB & GUTTER (0.03–1.61); 5' AC (1.61–1.63); 2' AC (1.63–1.65); 6'–8' AC (1.65–1.76)
- **Pavement: Width and Type**: 36' AC (0.03–0.97); 48' AC (0.97–1.03); 36' AC (1.03–1.40); 24' AC (1.40–1.76)
- **Shoulder: Width and Type**: 0 (0.03–1.68); 4' AC (1.68–1.76)

Divided
- **Median: Width and Type**: CONC. BARR. H-1 (0.00–0.10); 6'–40' RAISED GRASS (0.10–0.20); 24' RAISED GRASS (0.20–0.92); 12' RAISED GRASS (0.92–1.03); 24' RAISED GRASS (1.03–1.42); CONC. BARRIER (H-1) (1.42–1.76)
- **Median Barriers:** |—| = GUARDRAIL ——— = CONC. BARRIER: GUARDRAIL (1.42–1.76)
- **Shoulder: Width and Type**: CURB & GUTTER (0.00–0.20); 0 (0.20–1.68); 4' AC (1.68–1.76)
- **Pavement: Width and Type**: 24' AC (0.00–0.07); 36' AC (0.07–0.92); 48' AC (0.92–0.97); 36' AC (0.97–1.47); 24' AC (1.47–1.76)
- **Shoulder: Width and Type**: CURB & GUTTER (0.00–1.47); 5' AC (1.47–1.65); 8' AC (1.65–1.76)

Number of Traffic Lanes: 1–12' (0.00–0.03); 2–12' (0.03–0.07); 3–12' (0.07–0.97); 4–12' (0.97–1.03); 3–12' (1.03–1.47); 2–12' (1.47–1.76)

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 12' PARKING LANE (0.07–0.96); 0.96–0.97

(Right Side): 0.20–0.24; 0.34–0.38; 0.50–0.55; 0.73–0.81; 0.89–0.93; 1.05–1.11; 1.17–1.22; 1.28–1.34; 1.34–1.46; 0.16–0.20; 0.46–0.50; 0.70–0.73; 0.92–0.96; 0.96–0.97; 1.05–1.11; 1.18–1.22; 1.29–1.34; 2–11' (L) TL (1.46–1.76); 10' CONC. LANES (0.16–0.92); 12' AC T.L. (0.92–0.97); 12' AC (0.97–1.46)

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

Sidewalk: Width and Type (Right and Left): 4' CONC. (0.00–0.20); 8'–10' CONC. S/W (0.20–1.46); 4' CONC. (0.00–0.20); 8' CONC. S/W (0.20–1.46)

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

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: FLAT (0.00–0.97); ROLLING (0.97–1.76)

Speed: 1–Design, 2–Posted: 30 MPH (2); (50 MPH (MIN. 40) (2)) (1.68–1.76)

Intersection Control Devices: Type, Location and Cycle Timing: 0.20; 0.34; 0.50; 0.73; 0.89; 0.97 (4); 1.16; 1.22; 1.34 3 PHASE

Traffic Station: B72 0098 00000 (0.00); B72 0098 00010 (0.10); 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 Section

AADT (Year 2006): 42,700 (0.00–0.20); 30,200 (0.20–0.50); 29,500 (0.50–0.97); 29,100 (0.97–1.34); 39,400 (1.34–1.47); 32,100 (1.47–1.76)

DOD Sections: DOD 295 (0.00–0.50); 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 (OTHER)

National Highway System (NHS)

Previous Projects: Project No., Date and Limits: (98A–01–75M, (R), 1975); 0.02 9800A–01–81M, (R), 1981; 0.20 98A–01–86M, (R), 1986; 0.64 9800A–01–81M, (R), 1981; 1.60 I–H1–1(31) UNIT 1, 1967

SCALE: (In Miles) 10" = 1 mile

Date Released	
APRIL 05, D.B.	
Revised	
6/06	D.B.

ROAD INVENTORY

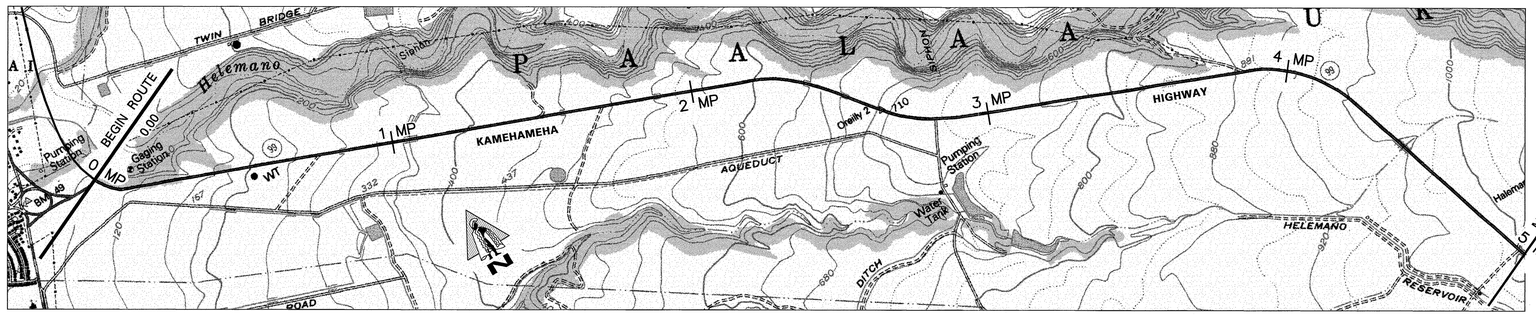
OAHU RTE 99
KAMEHAMEHA HWY.

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 _____

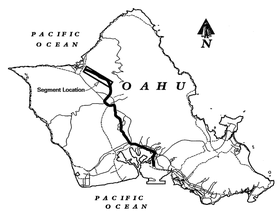


SCALE: (In Miles) 4" = 1 mile

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; 4.97
Project No., Type of Construction, and Year Constructed	0.18: 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 @ 0.00 mi.
JOSEPH P. LEONG HWY. CENTERLINE JUNCTION WITH
(SAME AS BEGIN RTE 83) OLD KAM HWY.

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 (2.62 mi.); Field Road (2.82 mi.); HIGHWAY; 3 MP (Fallen) (2.98 mi.); Culvert (3.67 mi.); Culvert (3.82 mi.); 4 MP (3.97 mi.); Begin Divided (4.52 mi.); Pagiaa Uka Pupukea Rd. (4.75 mi.); 5 MP (Fallen) (4.98 mi.); 5.00 mi.

CONTINUED ON SHEET #2

SCALE: (In Miles) 4" = 1 mile

Divided Highway	
Undivided: Shoulder: Width and Type	8'–10' AC (0.22); 2'–4' AC / 4'–8' Dirt & Grass (1.65); 2'–4' AC / 10' Grs. & Dirt (2.05); 2'–4' AC (2.40); 2'–4' AC / 4'–8' Grass (2.82); 2'–4' AC / 25' Grass (3.29); 2'–4' AC / 4'–10' Grass (3.79); 2'–4' AC (4.06); 2'–4' AC / 10'–4' Grass (4.50); 4'–6' AC / 8' Grass
Pavement: Width and Type	12' AC; 22' AC; 11' AC
Shoulder: Width and Type	0; 6' AC; 2' AC/ 8'–13' Grass; 6' AC/ 6'–10' Dirt (0.46); 13' AC (0.78); 4' AC; 8'–10' AC/ 6' Gravel (1.05); 8'–10' AC (1.47); 4' AC (1.59); ½' AC (1.74); 4' AC (1.84); 10'–12' AC (2.15); 8'–10' AC/ 4'–8' Grass (2.41); 10'–12' AC (2.57); 4'–6' AC/ 2'–6' Grass (2.84); 2'–4' AC / 4'–8' Dirt & Grass (3.22); 6'–8' AC (3.44); 10'–12' AC (3.67); 4' AC/ 4' Grass (3.82); 8'–10' AC/ 6'–10' Grass (4.06); 8'–10' AC (4.23); 4' AC / 4'–8' Grass; 0
Median: Width and Type	(0'–12' Painted AC) (0.10); 0.24; 0.35; 0.90; 4.52: 0'–12' Painted AC
Shoulder: Width and Type	0; 0
Pavement: Width and Type	12' AC; 11' AC
Shoulder: Width and Type	8' 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)	0.16; 4.89
(Right Side)	0.05; 4.75; 4.81
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.)	0.22; 0.24; 0.31; 0.34 (Wood on Conc.); 0.77; 0.89; 0.90; 1.19; 1.28; 1.45; 1.59; 1.71; 1.74; 1.82; 1.83; 2.04; 2.26 (Metal Rails on Concrete Posts); 2.57; 2.62; 2.89; 3.26; 3.43; 3.65; 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:	Rural
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	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 Station	B72 0099 00000; B72 0099 00024 (0.24); B72 0099 00048 (0.48); B72 0099 00078 (0.78); B72 0099 00095 (0.90); B72 0099 00105 (1.05); B72 0099 00147 (1.47); B72 0099 00159 (1.59); B72 0099 00174 (1.74); B72 0099 00184 (1.84); B72 0099 00257 (2.57); B72 0099 00322 (3.22); B72 0099 00344 (3.44); B72 0099 00367 (3.67)
HPMS Section	0.97
AADT (Year 2006)	15,200; 20,500
DOD Sections	
Census Tracts	
Functional Classification	Principal Arterial (Other)
National Highway System (NHS)	NHS
Previous Projects: Project No., Date and Limits	
	DF–082–1(1), 1959; 4.97
	(STP–0300(29), 1994 Resurface)
	FAP 21–B, 1937; 102+00; 102+30; 4.92: (NRS 21–A, 1935)

SCALE: (In Miles) 4" = 1 mile

Date Released	
May 2002	
Revised	
6/06	D.B.

ROAD INVENTORY

OAHU RTE 99

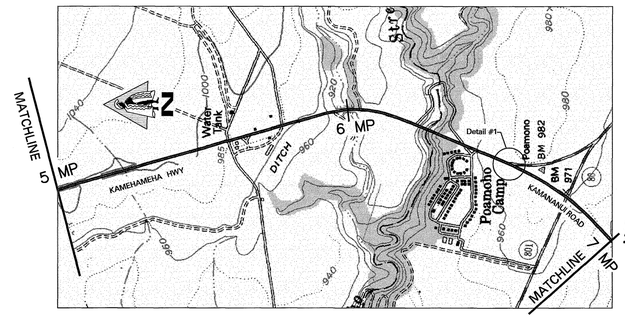
KAMEHAMEHA HWY., KAMANANUI RD., WILIKINA DR.

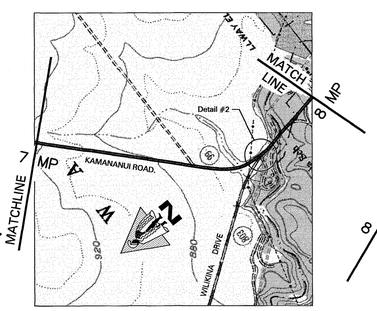
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

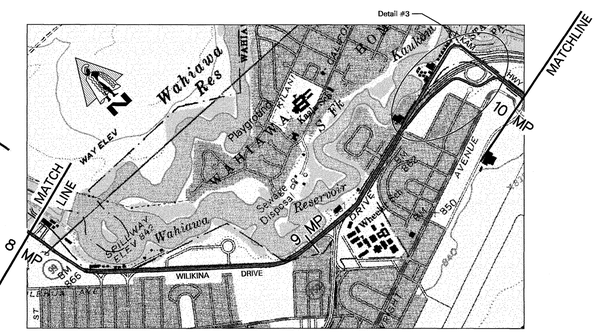
PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

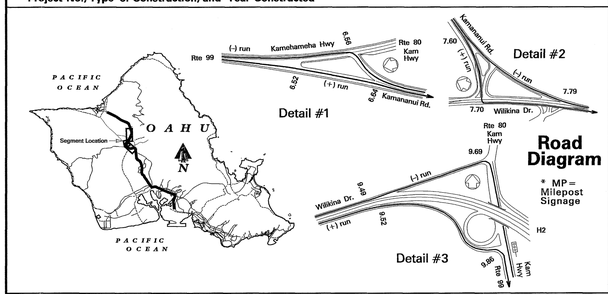
Total Designated Route Length:	23.83	MILES (a+b)
a. Existing Length:	23.83	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	23.83	MILES (a+b, less c)
a. Existing Length:	23.83	MILES
b. Temporary Length:	0.00	MILES
c. Length used as T.W. for another Route:	0.00	MILES (–)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____









SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

99A (6.56mi.) | End 99A & Beg 99B at the centerline of Kam Hwy. & Kamananui Rd. | 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
Horizontal Clearance: 24' | 24' | 26'

Structure Over Road

Vertical Clearance
Horizontal Clearance

Right of Way Width (min.–max.) if varies: 60'–140' | 100' | 100'–110' | 100' – 130' | 116'–120'

Available Right of Way Width (Needs Study): 1000' Clear Pineapple Field, 25'–30' from Edge of Pavement | Military Reserve | Residential Area | Military Reserve

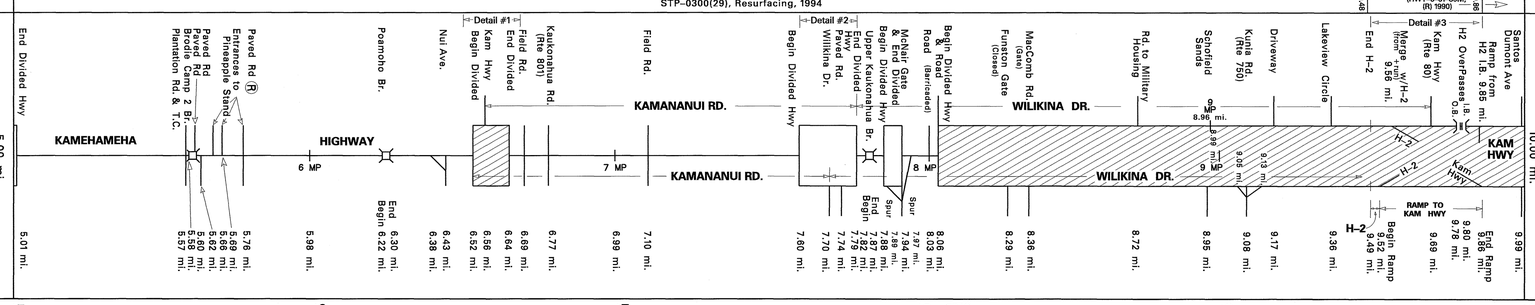
Right of Way Fence: Type – Right and Left: Chain Link, 15' from Edge of Pavement | Chain Link, 15' from Edge of Pavement

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) | (99C-02-00,2004, Inter. Imprv.) | (HWY-O-06-07M, R, SLURRY SEAL, 2007, (–) DIR ONLY) | (HWY-O-01-99M, (R) 1990)

Project No., Type of Construction, and Year Constructed: STP-0300(29), Resurfacing, 1994



SCALE: (In Miles) 4" = 1 mile

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 / 60' Grass & Dirt) 4' AC / 4'-8' Grass | 2'–4' AC / 20' Grass & Dirt | 2'–4' AC | (29' AC) 0'–2' AC | 20' Conc. | 0'–2' AC

Pavement: Width and Type: (11' AC) | 22' AC | 20' AC | 11' AC | 22' AC (4' AC) | 11' AC | 22' AC | 11' AC | 24' AC | 14'-23' AC | 23' AC | 11.5' AC | 24' AC | 22' 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 | 0'–2' AC | 0 | 4' AC | 7' AC | 0 | 0'–2' AC

Median: Width and Type: (0'–12' Painted AC) | (0-12' AC) (12'–60' Grass) | (0-8' AC) | 0'–11' Painted AC | 4' AC Painted | (0'-5' Painted Median) Conc. Barrier | 21' Raised Grass | Interchange | 20' Grass (Raised)

Shoulder: Width and Type: (0) | 6' AC | 0 | 0 | 0 | 4' AC | 0

Pavement: Width and Type: (11' AC) | 11' AC | 11' AC | 12' AC | 24' AC | (14'-24' AC) 23' AC | 24' AC | 15' AC | 24' AC

Shoulder: Width and Type: (2'-4' AC/ 4' Grass) | 4' AC/ 10' Grass | 4' AC/ 10' Dirt | 8' AC | (1-(14.5'-23')) 0'–2' AC | 6' AC | 6' AC/ 10' Grass | 0

Number of Traffic Lanes: 2–11' | 2–10' | 2–11' | 1–11' 1–12' | 2–12' | 2–11.5' 2–12' | 4–11.5' | 2–11.5' 2–12' | 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')) | (Right Side)

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

Sidewalk: Width and Type (Right and Left): 5' Conc. | 8.12' (6' Conc.) 8.21 | 3'–5' Conc. | 6' AC | 4' 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. (Metal on Conc.)

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: Rural | Large Urbanized | Rural | Large Urbanized

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: Stop Sign | Stop Sign | 3 Phase | 3 Phase | 3 Phase | 3 Phase | 3 Phase | 2 Phase | 3 Phase | 3 Phase

Traffic Station: B72 0099 00367 | B72 0099 00566 | B72 0099 00602 | B72 0099 00635 | B72 0099 00652 | B72 0099 00664 | B72 0099 00260 | B72 0099 00770 | B72 0099 00806 | B72 0099 00836 | B72 0099 00908 | B72 0099 00952 | B72 0099 00986

HPMS Section: 5.58 | 6.47 | 6.98 | 8.04 | 8.47 | 9.40 | 9.92

AADT (Year 2006): 20,500 | 21,900 | 12,500 | 20,400 | 41,300 | 49,400 | 28,400

DOD Sections

Census Tracts

Functional Classification: Principal Arterial (Other) | Freeway & Expressway (Conn. Link)

National Highway System (NHS): NHS | None | NHS

Previous Projects: Project No., Date and Limits: HWY-0-01-82M, Resurface, 1982 | 99C-01-84,(R) 1984 | 99C-01-79M, (R) 1979 | (C-99-06-60, 1960) | DF-082-1(1), 1959 | DA-WR 8(3), 1947 | NRS 21-A, 1935 | DA-WR 7(1), 1944 | NRH-7D, 1934

SCALE: (In Miles) 4" = 1 mile

Date Released	
May 2002	
Revised	
Feb. 03	J.K.
May 04	D.B.
6/06	D.B.
2/08	D.B.

ROAD INVENTORY

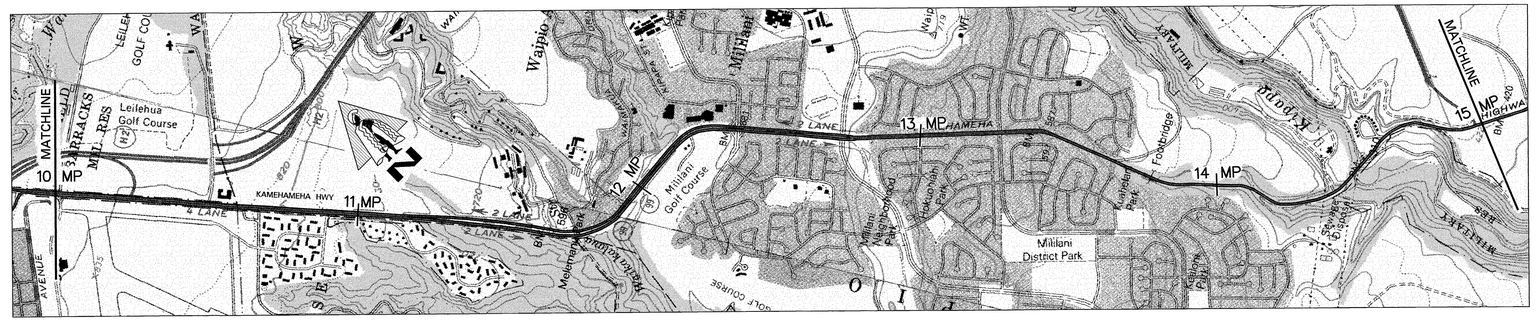
OAHU RTE 99
KAMEHAMEHA HWY.

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: 99C (9.09mi.)

Structure Carrying Road

- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: 282' Outbound – TBM, 1950, HS20; Inbound – RC Arch Girder, 1937, H15 (Old Struct.) — *Waikakalaua Br.*; TBM, 1933, H15, 484' — *Kipapa Br*
- Vertical Clearance: 225'
- Horizontal Clearance: Outbound 28', Inbound 30'; 30'

Structure Over Road

- Vertical Clearance: 13.5'
- Horizontal Clearance: *Pedestrian Overpass* 36'

Right of Way Width (min.–max.) if varies: 116' – 120'; 116' – 245'; 120' – 275'; 70' – 240'

Available Right of Way Width (Needs Study): Military Reserve; Trees & Bushes; Residential Area; Trees & Bushes

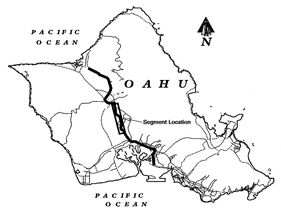
Right of Way Fence: Type – Right and Left: Chain Link, 15' from Edge of Pavement; 6' Chain Link Fence; Tile 10'-15' from Edge of Pavement; Tile 50' from Edge of Pavement; Tile 20'-30' from Edge of Pavement

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: DE-0200(803), Intersection Imprv., 2001; (NH-099-1(12), Widening, 1997)

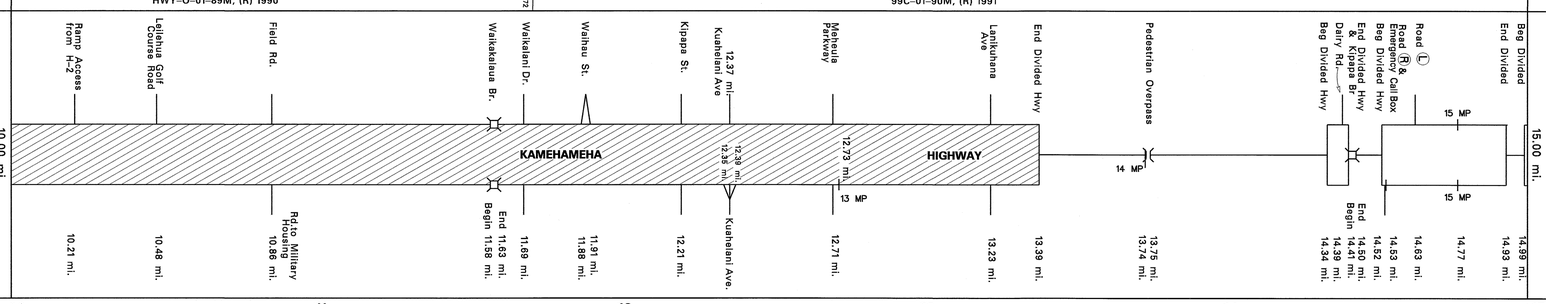
Project No., Type of Construction, and Year Constructed: HWY-O-01-89M, (R) 1990; 99C-01-90M, (R) 1991



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: 0'–2' AC; 0'–2' AC / 40' Grass; 0'–2' AC; 0'–2' AC / 30' Grass; 0'–2' AC; 0'–2' AC / 2' Grass; 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; 24' AC (0'–2' AC / 20' Grass); 33' AC; 11' AC; 11' AC (35' AC); (11' AC)
- Shoulder: Width and Type: 0'–2' AC; 20'–30' Raised Grass; 2'–4' AC; 0; 4' AC; 0; 6'–8' AC; 2'–4' AC; 0; 2'–4' AC; 0; 2'–4' AC; (0)

Divided Highway

- Median: Width and Type (▭ = Concrete Barrier, ⊢⊣ = M/M Guardrails): 4'–12' Raised Grass; 22' Grs.; 15'–20' Raised Grass; 22' Grs.; 8' Grs.; 12' Raised Sloped Grs.; 20'–50' Sloped Grass; 30' Sloped Grass.; 20' Grs.; 20'–30' Raised Grass; 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)
- Shoulder: Width and Type: 1'–0' AC; 0; 0'–1' AC; 2'–3' AC; 0'–1' AC; 4' AC; 0'–2' AC; 4' AC; 0'–2' AC; 0; 0; (0)
- Pavement: Width and Type: 24' AC; 22' AC; 24' AC; 11' AC; 11' AC (24' AC); (24' AC)
- Shoulder: Width and Type: 0; 0'–2' AC; 2'-4' AC/ 8'–12' Grass; 0'–2' AC / 8'–12' Grass; 0'–2' AC / 25'–30' Grass; 2'–4' AC; 2'–4' AC; (6' AC)

Number of Traffic Lanes: 4–12'; 4–11'; 4–12'; 2–11'; 2–12'; 2–11'; 1–11'; 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'-8' Conc. S.W.; 6' Conc. S.W.; 4' AC S.W.; 4' Bituminous SW; 4' AC S.W.; 4' Conc. S.W.; (4' AC S.W.); 6' PCC S.W.; 6' PCC S.W.; (4' Bituminous S.W.)

Curb and/or Gutter: Type (Right and Left): Concrete Curb; Concrete Curb; 4' Bituminous Curb; 2' Conc. Curb & Gutter; Bituminous Curb; Conc. Curb

Protective Devices: Type, Location and Number: 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

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

Speed: 1–Design, 2–Posted: 25 MPH ②; 45 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; 3 Phase; 4 Phase; 4 Phase; 3 Phase

Traffic Station: B72 0099 00986; 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 01441; B72 0099 01452; B72 0099 01490

HPMS Section: 10.27; 11.26; 11.27; 12.04; 12.25; 12.48; 12.97; 14.54

AADT (Year 2006): 28,400; 26,900; 21,500; 20,500; 19,000; 22,700; 14,100; 30,700

DOD Sections

Census Tracts

Functional Classification: Frwy & Expressway (Connecting Link)

National Highway System (NHS): NHS

Previous Projects: Project No., Date and Limits

- 99C-01-87, 1988 (Improv.)
- 99C-01-78M, (R) 1979
- 99C-01-78M, (R) 1979
- 99C-01-73, (R) 1975
- C-99-06-60, 1960
- SN (DC) FA F-7(20), 1949
- DA-Wrt 8(3), 1947
- WPH-7G, 1937
- 99C-01-75, 1975
- WDRC 5(1), 1946
- C-99-01-60, 1960
- NRH-7D, 1934
- WPH-7-1, 1936
- SN FAP 7(19), 1949
- WPH-7-1, 1936
- WRH-7D, 1934
- FAP 7-F, 1932

SCALE: (In Miles) 4" = 1 mile

Date Released	
May 2002	
Revised	
Apr. 04	D.B.
5/06	G.N.

ROAD INVENTORY

OAHU RTE 99

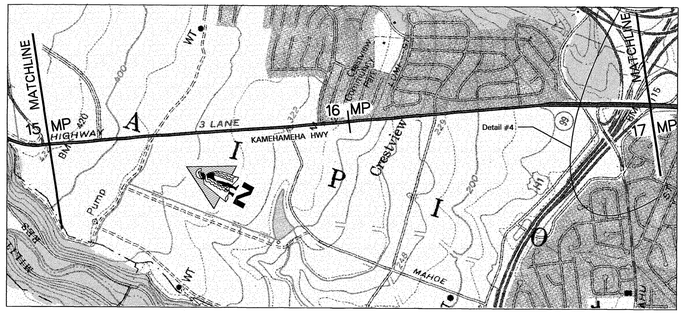
KAMEMEHAHA HWY., FARRINGTON HWY.

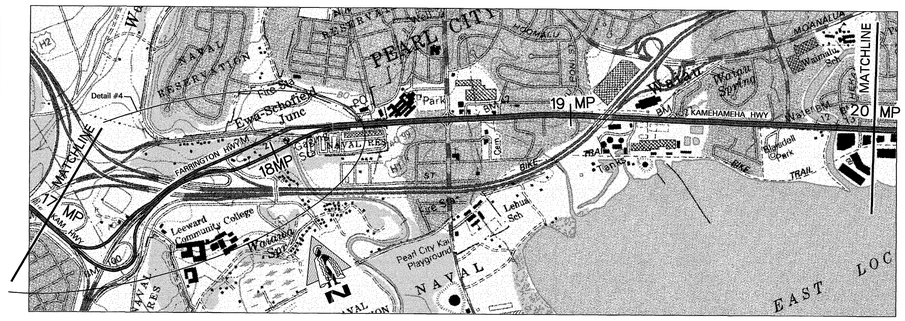
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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 9050. Length shown is only for that porsion on Rte 99 (1.8.) | 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; 489' TBM, HS20, 1969; 194' P/CB, HS20, 1969; 527' CBG, HS20, 1969; 260' CBG, 1969; TBM, H15, 1933; TBM, HS20, 1952; 332' 200'|154' TBM 1988; 38' TBM, HS20, 1962; 38' P/CB, 1969; 45' P/CB, HS20, 1966

Vertical Clearance: Waipahu U.P. 28'|28'; Ht U.P. 34'|34'; Farrington Hwy U.P. 23'|33'; Ht U.P. 16'|16'|38'|38'; 18'|30'|28'; Pearl City Br. 42'|42'; Waimalu Str. Br. 39'|38'

Horizontal Clearance: Ht U.P. 43'; Waiawa Br. I.B.; Ht Ramp O.P.; Waiawa Br. O.B.; 16' 34' Kam Hwy O.P.; Ht Overpass 33'; 10'; 99'

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

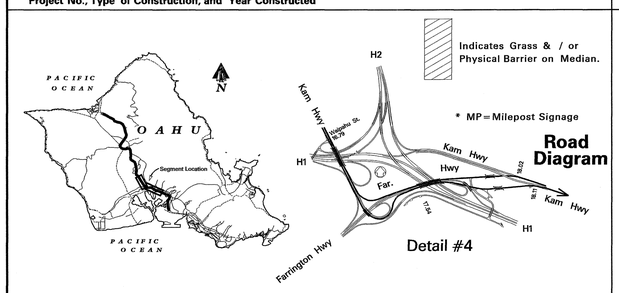
Right of Way Fence: Type – Right and Left: Wood 20' from Edge of Pavement; Chain Link; SW; Chain Link; Chain Link

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



CONTINUED FROM SHEET #3 — 15.00 mi.

Ka Uka Blvd; Waipio Uka St; Lumiaina St; Lumiaiau St; Waipahu St; Waipahu U.P. 16.74 mi.; 16.81 mi.; H–1 U.P.; Ramp from H1 I.B. (17.13 mi.); Ramp from Farr. Hwy. I.B. (17.20 mi.); Farrington Hwy, Rte 7101 17.36 mi.; Farrington Hwy (Rte 7101); H1 U.P. 17.65 mi.; Ramp Acc to H–1 17.65 mi.; Waiawa Br. O.B. 17.84 mi.; Waiawa Br. I.B. 17.98 mi.; Old Kam Hwy; (Ramp to H1 & H2) 18.02 mi.; Aiea Rd. (Kalihi Housing); Spur to Home Depot; Waimano Home Rd.; Pearl City Br.; Pun–Moni St.; Pun–Poni St.; H1 Overpass Road; Kuleana St.; Road; Hilla Pl.; Kaluamoi Pl.; Kaahumanu St.; Waimalu Str. Br. 19.84 mi.; Hekaha St.

KAMEHAMEHA HWY | FARRINGTON HWY | KAMEHAMEHA HWY

15.14 mi.; 15.86 mi.; 16.24 mi.; 16.53 mi.; 16.69 mi.; 16.73 mi.; 16.75 mi.; 16.79 mi.; 16.84 mi. (16.94 mi.); 16.99 mi.; On Ramp from H–1 1.010 mi.; Off Ramp to Waipahu U.P. 17.17 mi.; Farrington Hwy U.P. 17.17 mi.; Ramp Acc to H–1 17.28 mi.; 17.47 mi.; 17.54 mi.; Ramp Access to H–2 17.70 mi.; Ramp Access to H–1 17.80 mi.; H1 Ramp O.P. 17.82 mi.; Waiawa Br. I.B. 17.91 mi.; Waiawa Rd. 17.97 mi.; Access from Pearl City Park 18.10 mi.; 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; 2'–4' AC; 0'–2' AC; 6'–8' AC; (33' PCC); 0'–2' AC

Pavement: Width and Type: (11' AC); 24' AC; 24' AC; 15' AC; 33' AC; 24' AC; 36' AC; 40' AC; 36' AC

Shoulder: Width and Type: Median Curb=; 0; 2'–4' AC (PCC on Structures); (10' Raised Grass); 0'–2' AC

Median: Width and Type: ⊢⊣=M/M Guardrail; □=Conc. Barrier; ⟋=Chain Link Fence; 0'–18' Painted AC; 18' Grass; (Structure); 15'–30' Grass; Structure; 20'–30' Grass; 10'–300' Parkway; 20'–3' Grass; 3' Raised Conc.; 2' Raised Conc.; 3'–15' Raised Grass; 6'–12' Raised Grass; 4'–10' Raised Grass; 6'–3' Raised Conc.; 8'–10' Grass

Divided Highway — Divided

Shoulder: Width and Type: =Median Curb; 0; 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' AC; 24' PCC; 24' AC; 33' AC; 36' AC

Shoulder: Width and Type: (6' AC); 0; 0'–2' AC; 4'–6' AC; 0; 10' AC; 0'–2' AC; 0; 2'–4' AC (PCC on Structures); 8'–10' AC on Structures (PCC); 0; 1'–4' AC; 0

Number of Traffic Lanes: (1–11'); (2–12'); 4–12'; 1–15'; 2–10'; 3–11'; 2–12'; 1–16'; 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.; 5' Conc.; (6' Conc.); 5' Conc.; (10' Conc.); 5' Conc.; 5' Conc.; 6' Conc.; 4' AC; 4' Conc.; 8' Conc.

Curb and/or Gutter: Type (Right and Left): (2' Conc. Gutter); (6' Conc. Gutter); Conc. Curb

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

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; 3 Phase; 3 Phase; (+) Run Only; 2 Phase; 4 Phase; 4 Phase; 3 Phase; 3 Phase; 3 Phase; 3 Phase

Traffic Station: (B72 0099 01490); B72 0099 01505; B72 0099 01514; B72 0099 01586; B72 0099 01613; B72 0099 01629; B72 0099 01645; B72 0099 01669; B72 0099 01670; B72 0099 01676; B72 0099 01683; B72 0099 01693; B72 0099 01718; B72 0099 01729; B72 0099 01738; B72 0099 01747; B72 0099 01765; B72 0099 01802; B72 0099 01811; B72 0099 01825; B72 0099 01854; B72 0099 01901; B72 0099 01914; B72 0099 01966

HPMS Section: 15.56; 16.03; 16.35; 16.69; 16.92; 17.51; 17.74; 18.09; 18.13; 18.30; 18.99; 19.35; 19.94

AADT (Year 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; 48,600

DOD Sections

Census Tracts

Functional Classification: Freeway & Expressway (Connecting Link); Principal Arterial

National Highway System (NHS): NHS; None

Previous Projects: Project No., Date and Limits

15.65 NH–099–1(9), (Widening) 1995; 16.24; 99C–01–78M, (R) 1979; 16.72 HWY–0–03–83M, (R) 1983; 17.49; 18.47; 90–BC–01–73, (R) 1975; 19.54; 19.79; 19.93 19.94 (90BC–01–76 M, (R) 1976)

C–99–01–60, 1960; 16.46 F–7(21), 1953; 16.62; 17.37; 90A–01–77M, (R) 1978; 18.01; 18.15 U–090–1(9), 1965; 18.47; 19.29; U–090–1(9), 1965; (HWY–0–01–83M, (R) 1988)

(FAP 7–F, 1932) 15.11; FAP 7–C, 1931; 16.70; I–H1–1(36);.8, 1967; 17.10 I–H1–1(47);.9, 1968; 17.49; F–9(35), 1952; OUTBOUNDS 18.03; 18.14 INBOUNDS; 19.29; F–090–1(6), 1961; 19.29; (DA–NR 13(2), 1944); 19.74; 19.89; 19.94 (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.

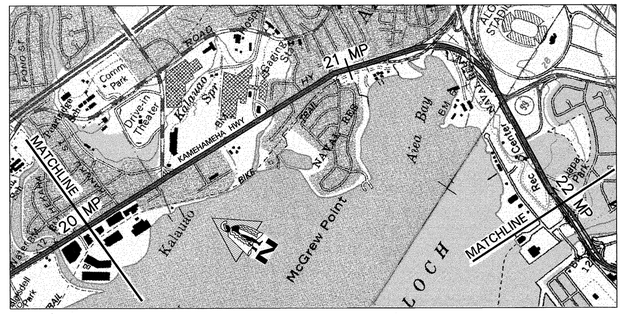
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

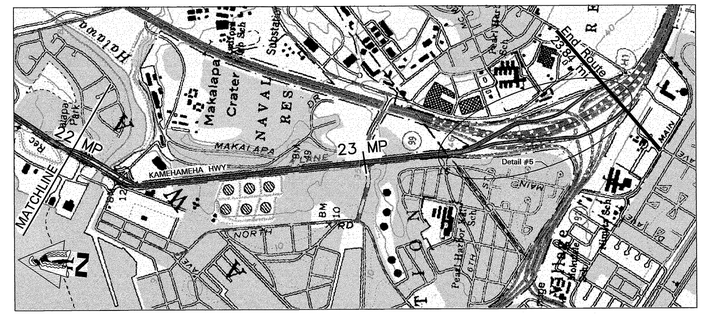
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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' | P/CB, HS20, 1966 | 108'
54' | 60'
Kalauao Springs Br. | Kalauao Str. Br.
OTH, HS20, 1965 | SMS, 1966 | SMS, 1965 | 49'
Aiea Br. | Aiea Int. Struct. #2 | Aiea Int. Struct. #4
P/CB, HS-20, 1970 | 200'
Presstressed Conc Girder, HL-93, 2006 | 277'
Halawa Br.
Structure #2 | 561' | P/T Box Girder, HS-20, 1977
Structure #3 | 304'
Struct. #6 (L) | 870' | 126'
P/T Box Girder & Reinforced Conc. Box Girder, HS-20, 1977
870' | 294'
Reinforced Conc. Box Girder, HS-20, 1977
Struct. #4
Struct. #7

Vertical Clearance

39' | 39'
Horizontal Clearance

39' | 38'
80'
37' | 48' – 3"
16' | 18'
40'

Structure Over Road

Vertical Clearance

18' | 16' 07"
16.7' | 16.7' | 16.5'
39' | 12'
Struct. #6 (R)

Horizontal Clearance

44' | 46'

Right of Way Width (min.–max.) if varies: 70' –240'

Available Right of Way Width (Needs Study): Industrial / Residential

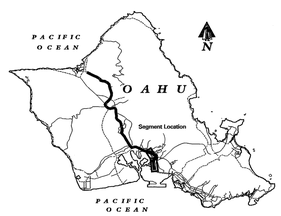
Right of Way Fence: Type – Right and Left: Chain Link Fence | Chain Link Fence | Wood | C. L. Fence

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. | Kaonohi St. | Lipoa Pl. | Kalauao Springs Br. | Pali Momi St. | Kalauao Str. Br. | Kihale St. | Aiea Kai Pl. | Honomanu St. | Off Ramp to Moanalua Fwy | On Ramp from Moanalua Fwy | Aiea Br. | Aiea Int. Struct. #2 | Paved Rd. | Aiea Int. Struct. #4 | Road (R) to Stadium & Aiea Int. Fwy | Salt Lake Blvd (L) Out Bound | In Bound | Acc. to Playing Field | Kohomua St. | Kalaloa St. | Halawa Br. | Halawa Dr. | Bus Turn-out | Bus Turn-out | Radford Dr. | Center Dr. | Ramp (92 West) | Ramp (From H1 O.B.) | Ramp (To H1 I.B.) | Ramp (From Nimitz Hwy I.B.) | Structure #2 | Ramp | Ramp | Ramp (To H1) | 23.63 mi. | 23.74 mi.

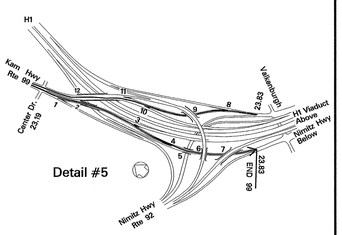
KAMEHAMEHA HIGHWAY

263+00 | 255+90 | 212+70 | 260+48.50 | 9 MP | (Makalapa Gate)

20.08 mi. | 20.25 mi. | 20.35 mi. | 20.46 mi. | 20.59 mi. | 20.77 mi. | 20.72 mi. | 20.70 mi. | 20.66 mi. | McGrew Loop 20.88 mi. | 21.03 mi. | 21.17 mi. | 21.13 mi. | 21.23 mi. | 21.33 mi. | 21.36 mi. | On Ramp from Aiea 21.48 mi. | 21.54 mi. | Ford Island (R) Blvd 21.68 mi. | 21.81 mi. | 21.76 mi. | Arizona Memorial 21.98 mi. | 22.04 mi. | Arizona St. (Halawa Gate) 22.12 mi. | 22.25 mi. | 22.22 mi. | 22.63 mi. | 22.50 mi. | 22.86 mi. | 22.94 mi. | 23.19 mi. | 23.26 mi. | 23.31 mi. | 23.43 mi. | 23.45 mi. | 23.47 mi. | 23.58 mi. (From H1 I.B.) | 23.68 mi. | 23.82 mi. | 23.75 mi.

Structure #3 | Structure #4 | Structure #6 | Structure #7

END RTE. 99 ON THE MAKAI FRONTAGE ROAD AT THE MERGE POINT (PAINT) OF RAMP "NS" FROM NIMITZ HWY. AT PEARL HARBOR INTERCHANGE.
23.83 mi.



SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type: (39' AC) | (39' AC) | 0'–2' AC | 5' AC Bike Route | 6' AC Bike Route | 3' AC Bk. Rt. | 5' AC Bk. Rt. | 6'–8' AC (PCC on Structures)

Pavement: Width and Type: 36' AC | 36' AC | 36' AC | 24' AC | 50' AC | 38' AC | 28' AC | (22' AC) (28' AC) | 24' AC | 36' AC | 48' AC | 24' AC

Shoulder: Width and Type: Median Curb= | 0'–2' AC | (2'–20' Raised Shrubs & Grass) | (20 AC Raised) | 6'–4' AC (PCC on Structures)

Median: Width and Type: ▭ =Conc. Barrier | ⊢⊣ =M/M Guard Rail | ⋝ =Chain Link Fence

22' Flush Grass | 22' Raised Grass | 5'-20' Grs. | 6'–15' Raised Grass | 2'–4' Raised AC | 15' Raised Grv. | 2'-15' Raised AC | 3'-6' Raised Conc. | Conc. Barrier | 30' Grs. | 20'–3' Raised Shrubs & Grass | 3' AC Raised | 2'–8' Raised Grass | 5' AC Raised | (Conc. Barrier) Interchange | 4' AC Gutters | (8' Conc.)

Shoulder: Width and Type: =Median Curb | 1'–4' AC (PCC on Structures) | (38' AC)

Pavement: Width and Type: 36' AC | 36' AC | 36' AC | 24' AC | (50' AC) | 38' AC | 36' AC | 24' AC

Shoulder: Width and Type: (39' AC) | (39' AC) | 0'–1' AC | (4-12.6') | 7' AC | 8'–10' AC | 0'–1' AC | 8' AC (PCC on Structure)

Number of Traffic Lanes: 6–12' | (6–13') | 6–12' | 6–12' | 3–12' | 2–12' | 4–12' | (2–12') (3–12.6') | 4–12.6' | 3–12.6' | 6–12.6' | (8–12.6') | 2–14' | 3–12.6' | (1–14' TL) | (2–14') | 2–12' | 3–12' | 6–12' | (3–12') | 4–12' | 2–12' | 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): 3' AC | (6' Conc.) | 4'-6' Conc. | 4' AC | 5' Conc. | 10' Conc. S.W. | 5' Conc. S. W. | (10' Conc. S. W.)

Curb and/or Gutter: Type (Right and Left): 8' Conc. | (4' Conc.) | (6' Conc.) | Conc. Curb | 10' Conc. | Conc. Curb | Conc. Curb | 4' | 8' | 4' | 4' | 4' | Curb | All AC Gutters

Protective Devices: Type, Location and Number: 2 M/M Guardrails | (Wood Rails on Concrete Posts) | (Metal Rails on Concrete Posts) | (Metal Rails on Concrete Posts)

Illumination: Type, Location and Number: Mercury Vapor Lamps | 8 HPS Lamps | Mercury Vapor Lamps | Mercury Vapor (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

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

Speed: 1–Design, 2–Posted: 35 MPH ②

Intersection Control Devices: Type, Location and Cycle Timing: 3 Ph | 3 Ph | 3 Phase | 3 Phase | 2 Phase | 3 Phase | (B72 0099 02151) (B72 0099 02147) (B72 0099 02144) | 2 Ph. | 3 Phase | 3 Phase | 3 Phase | 4 Phase | 3 Ph. | (B72 0099 02319)

Traffic Station: B72 0099 01966 | B72 0099 02025 | B72 0099 02073 | B72 0099 02091 | B72 0099 02103 | B72 0099 02117 | B72 0099 02164 | B72 0099 02168 | B72 0099 02181 | B72 0099 02192 | B72 0099 02202 | B72 0099 02211 | B72 0099 02234 | B72 0099 02305 | B72 0099 02326 | B72 0099 02346

HPMS Section: 20.68 | 20.57 | 21.03 | 21.14 | 21.58 | 21.72 | 21.92 | 22.03 | 22.70 | 23.10 | 23.24 | 23.30 | 23.72

AADT (Year 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

DOD Sections

Census Tracts

Functional Classification: Principal Arterial (Other)

National Highway System (NHS): None

Previous Projects: Project No., Date and Limits

STP-099-1(15), (R) 1996 | 99EF-01-87M, (R) 1987 | 90C-02-75, (Bikeway– Right Side) 1977 | 90EF-01-87M, (R) 1987 | 90CD-01-74, (R) 1974 | 908C-01-76M, (R) 1976 | F-099-1(14), 1968 | (SN(DC) FAP 9-A(9), 1945) | (I-H1-1(111):14, 1976) | I-H1-1(73):15, 1977 | (I-H1-1(110):15, 1974) | U-099-1(9), 1965 | (90BD-03-70, 1971) | (DANR 13(3), 1945) | DA-NR 13(2), 1944 | DA-NR 13(2), 1944 | U-099-1(16), 1969 | SN(DC) FAP 9-A(9), 1945 | (U-099-1(16), 1969) | (U-099-1(15), 1969)

SCALE: (In Miles) 4" = 1 mile

Date Released
May 2002

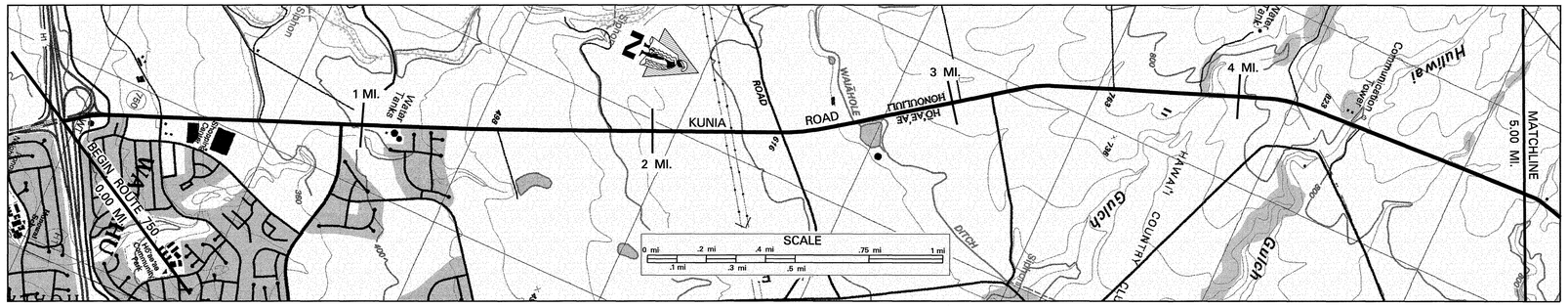
Revised	
Apr. 04	D.B.
6/06	D.B.
3/07	D.B.
12/07	D.B.

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

Maintenance Control Sections : Length and Description
0.13 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: 0.01
- 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' (0.93) 60'–130'

Available Right of Way Width (Needs Study): CLEAR 1000' – SUGAR CANE 20' FROM PAVEMENT; 4.28 CLEAR 1000' – PINEAPPLE 20' F.P.

Right of Way Fence: Type – Right and Left: 0.00 0.05 CHAINLINK 20' FROM PAVEMENT; 0.93 1.16 CHAINLINK 20' FROM PAVEMENT

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

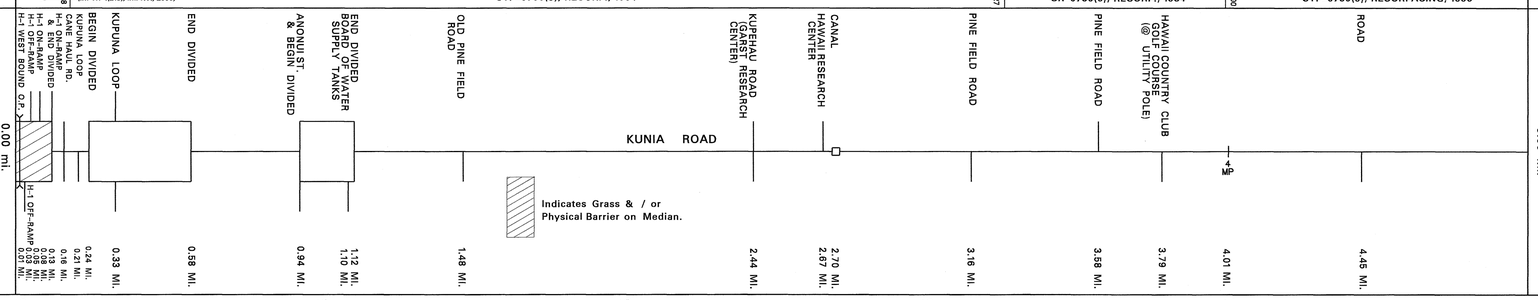
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): HWY-0-01-04 Imprvts, 2005; STATE

Project No., Type of Construction, and Year Constructed: 0.21 0.16 0.38 IM-STP-0750(10), WIDENING, 2001; 0.93 (IM-H1-1(219), IMPRV., 2000)

Project No., Type of Construction, and Year Constructed: STP-0750(8), RESURF., 1994; 3.27 SR-0750(6), RESURF., 1984; 4.00 STP-0750(9), RESURFACING, 1996

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 4" = 1 mile

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 (0.05); 60' AC (0.17); 48' AC (0.21); 24' AC; 50' AC (0.84); 36' AC; 12' AC; 22' AC
- Shoulder: Width and Type: 0 (0.05); 0 (0.17); 1' AC (0.21); 0; 0; 0; 3' AC (2.97); 8' AC (2.71); 3' AC (3.27); 4' AC

Divided Highway – Divided
- Median: Width and Type: (0'–85' PAINT. & RAISED CONC.); 12' PAINTED AC; 4' PAINTED AC
- Median Barriers: (0.03); (0.24); (0.98); (0.94); (1.12)
- Shoulder: Width and Type: 0 (0.05); 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 (0.03); (8' AC)

Number of Traffic Lanes: (3–12' (0.05)) 2–12'; (2–12' (0.04)) 3–12'; 4–12'; (0.28) 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) (0.28) (0.35) (0.94) (1.16) 12' T.L.; 10' T.L.; 10' T.L.; (0.84) (0.94)

(Right Side): (0.08) (0.11) (0.17) (0.21) (0.27) (0.33)

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

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 (3.00) (3.68)

Illumination: Type, Location and Number: 5 MV (0.21) 27 HPS LAMPS (0.94)

Curves: Degree of Curvature (Right and Left)

Grades: % Grade, Positive or Negative: (0.19) +8 (0.32) (0.88) +3 (0.70) (0.73) +2 (0.88) (1.07) +6 (1.41) (1.64) +1 (1.70) (1.75) +3 (1.96) (2.60) +3 (2.70) (2.86) +3 (3.28) (3.52) +2 (3.86) (3.94) +6 (4.08) (4.42) +4 (4.55) (4.81) +3 (4.92)

HOV Lanes/Contra–Flow Lanes

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: LARGE URBANIZED; (2.00) RURAL

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: (2) ROLLING

Speed: 1–Design, 2–Posted: 2 PHASE (0.16) (0.21) 35 MPH (2); (0.34) 4 PHASE (0.93) (0.97) 3 PHASE 45 MPH (2); (4.97) (35 MPH (2))

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: (B72 0750 00000) B72 0750 00005; B72 0750 00033; (B72 0750 00089); B72 0750 00094; (2.00) B72 0750 00200; B72 0750 00378; B72 0750 00488

HPMS Section: (0.01) 0.27; 0.88; 2.00; 2.75; 4.86

AADT (Year 2006): (0.05) 42,100 (74,800); (0.33) 19,500; (0.94) 14,200; (3.78) 12,500; (4.86) 12,200

DOD Sections

Census Tracts

Functional Classification: PRINCIPAL ARTERIAL; (2.00) MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits: STP-0750(8) RESURFACE, 1994; 750A-01-82M, RESURFACE, 1982; 4.00 STP-0750(9), RESURFACING, 1996; 3.27 SR-0750(6), RESURFACE, 1984; A-75-01-64, 1964 (R); NRH-16A, 1933; 0.18 (I-H1-1(18), U-2,1965); 107 + 00 / 97 + 64.61; 448 + 53.41

SCALE: (In Miles) 4" = 1 mile

Date Released	
MAR. 05, D.B.	
Revised	
5/06	G.N.

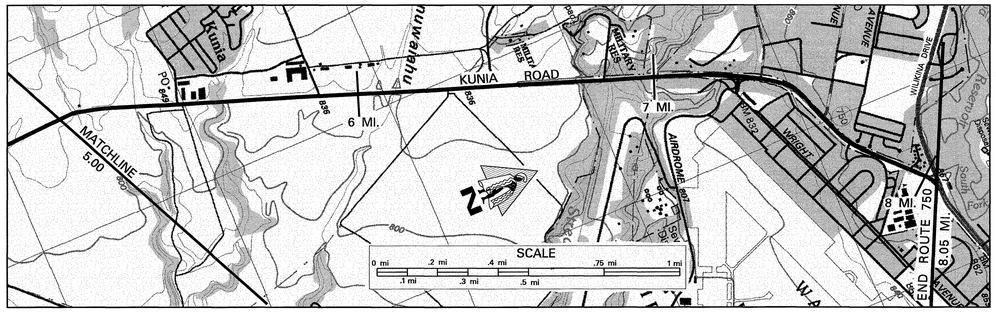
ROAD INVENTORY

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

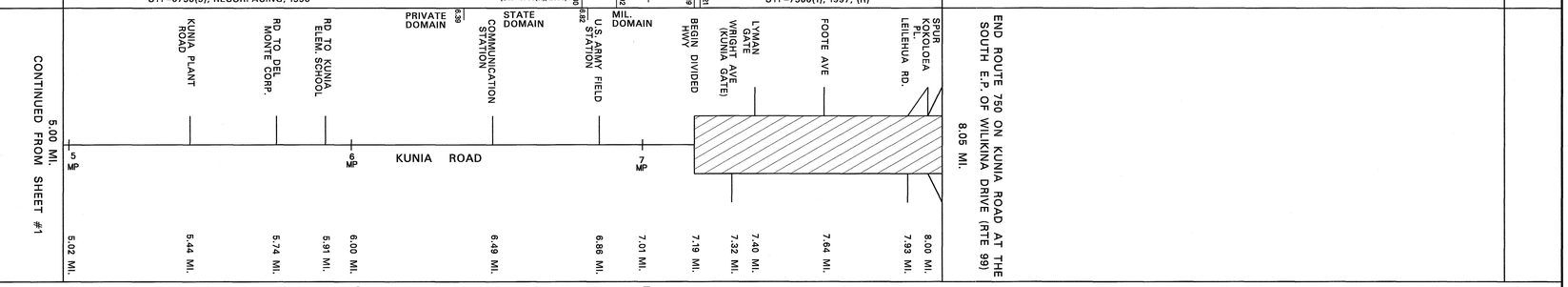
Structure Carrying Road
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Vertical Clearance
- Horizontal Clearance

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: 60' – 130' | 7.04 | 100'
Available Right of Way Width (Needs Study): CLEAR 1000' – PINEAPPLE – 20' FROM PAVEMENT | 6.82 | MILITARY RESERVATION
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: (STP–0750(9), RESURFACING, 1996) | (RS–0750(7), (R), 1986)
Project No., Type of Construction, and Year Constructed: STP–0750(9), RESURFACING, 1996 | (STP–0750(11), 2000) 6.83 | 6.92 | 7.21 7.19 | STP–7500(1), 1997, (R)

Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP = Milepost Signage



SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

Divided Highway – Undivided
- Shoulder: Width and Type: 4' AC | 3' AC | 8.57 | 8' AC | 6.80 | 3' AC | 6.82 | 8' AC | 7.04 | 1'–6' AC | 7.21 | 0
- Pavement: Width and Type: 22' AC | 24' AC | (12' AC) | 24' AC | 8.02 | (12' AC)
- Shoulder: Width and Type: 4' AC | (8' AC) | 5.63 | 5.65 | 3' AC | 6.55 | 9' AC | 6.80 | 3' AC | 6.98 | 9' AC | 1'–6' AC | 0

Divided Highway – Divided
- Median: Width and Type: 20' RAISED GRASS
- Median Barriers: 7.19
- Shoulder: Width and Type: 0
- Pavement: Width and Type: (12' AC) | 7.21 | 24' AC | 8.02 | (12' AC)
- Shoulder: Width and Type: (1'–6' AC) | 7.21 | 0 | 7.60 | 20' AC | 7.74 | 0

Number of Traffic Lanes: 2–11' | 7.04 | 2–12' | 7.30 7.32 | 7.40 | 4–12' | 7.64 | 7.78 7.81 | 8.02 | (2–12')
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 4 | 7.49 | 7.98 | 4 | 7.71
(Right Side): 4 | 7.26 | 7.35 | 7.66 | 7.59 | 7.87 | 4 | 7.97
Frontage Road: No. of Lanes, and Width (Right and Left): 7.32 | 7.61 | 7.71 | 7.93
Sidewalk: Width and Type (Right and Left): 4' | 4' | 4'
Curb and/or Gutter: Type (Right and Left): 4' | 7.63 | 4' | 1 | 2 | 7.61 | 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): 1 | 2 | 7.32 | 7.40 | 7.83
Illumination: Type, Location and Number: 7.20 | HPS
Curves: Degree of Curvature (Right and Left)
Grades: % Grade, Positive or Negative: 6.68 | –6 | 6.85 | 6.90 | +6 | 7.08
HOV Lanes/Contra-Flow Lanes
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: RURAL | 7.04 | LARGE URBANIZED
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: (2) ROLLING | 5.75 | FLAT | 6.75 | ROLLING | 7.18 | FLAT
Speed: 1–Design, 2–Posted: 35 MPH (2) | 7.86 | NOT POSTED
Intersection Control Devices: Type, Location and Cycle Timing: 6.88 TRAFFIC LIGHT 3 PHASE | 7.64 TRAFFIC LIGHT
Traffic Station: B72 0750 00488 | B72 0750 00704 | B72 0750 00719 | (B72 0750 00802)
HPMS Section: 6.56 | 7.19 | 7.49 | 8.02
AADT (Year 2006): 12,200 | 7.04 | 15,600 | 8.05 | (24,400)
DOD Sections
Census Tracts
Functional Classification: MINOR ARTERIAL
National Highway System (NHS): 7.32 | NHS
Previous Projects: Project No., Date and Limits
- STP–0750(9), RESURFACING, 1996 | 7.19
- 5.50 | RS–0750(7), RESURF., 1986 | 7.21 | 7.22 | 7500A–01–88M, (R), 1988
- SR–0750(6), RESURFACE, 1984 | 5.64 | 7.04 | 7.22 | 750A–01–71, (R), 1971
- A–75–01–64, 1964, (R)
- NRH–16A, 1933 | 7.07 | DAWR 8(3), 1947 | 8.05

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

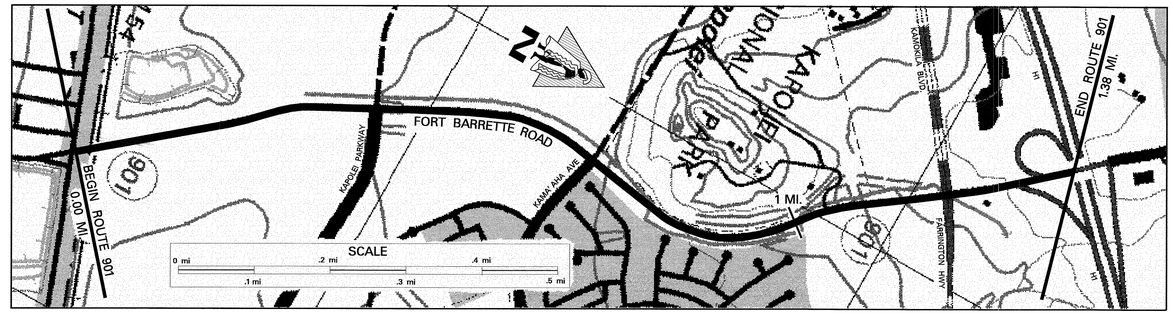
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

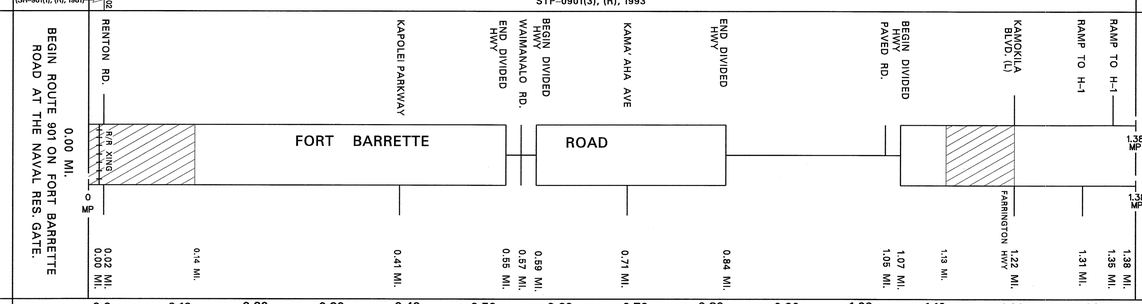
0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00

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	
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	120' | 1.24 100'
Available Right of Way Width (Needs Study)	CLEAR 1000' SUGAR CANE 20' FROM PAVEMENT | 0.69 | 1.24 RESIDENTIAL
Right of Way Fence: Type – Right and Left	(CHAINLINK 20' FROM PAVEMENT) 0.69 – 0.91
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



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 | 1.22 0 | 12' GRASS
Divided Highway, Undivided: Pavement: Width and Type	24' AC | 0.08 12.5' AC | 25' AC | 12.5' AC | 25' AC | 13' AC | 1.15 24' AC
Divided Highway, Undivided: Shoulder: Width and Type	0 | 6' AC | 0 | 6' AC | 0
Divided Highway: Median: Width and Type	10' FLUSH GRASS | 0.14 12' PAINT | 0.55 0.57 0.59 12' PAINT | 0.84 (0–10' PAINTED) 1.07 | 1.13 10' RAISED GRASS | 1.22 12' PAINT
Divided Highway: Median Barriers:	
Divided Highway: Shoulder: Width and Type	0 | 0 | 0
Divided Highway: Pavement: Width and Type	24' AC | 0.08 12.5' AC | 12.5' AC | 13' AC | 1.15 24' AC
Divided Highway: 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' | 1.35
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 – 0.40 | 0.61 – 0.76 | 1.15 – 1.31
Frontage Road: No. of Lanes, and Width (Right and Left)	1.28
Sidewalk: Width and Type (Right and Left)	1.24 4' AC | 8' CONC. | 6' 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
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 0.00 45 MPH (2) | 0.63 40 MPH (2) | 1.09 NOT POSTED
Intersection Control Devices: Type, Location and Cycle Timing	2 PHASE LIGHT | 0.57 2 PHASE TRAFFIC LIGHT | 1.23
Traffic Station	B72 0901 00000 | 0.08 B72 0901 00008 | 0.14 B72 0901 00014 | 1.15 B72 0901 00115 | 1.30 B72 0901 00122
HPMS Section	0.58
AADT (Year 2006)	0.00 27,600 | 29,400 | 1.22 41,700 | 1.38
DOD Sections	DOD 360
Census Tracts	CT 86.02
Functional Classification	MINOR ARTERIAL
National Highway System (NHS)	
Previous Projects: Project No., Date and Limits	SR-901(1), RESURF., 1981 | DAD 1(2), 1959 | 1.07 901A-01-72, 1972 | 1.22 1.31 I-H1-1(139);1,1981 | (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

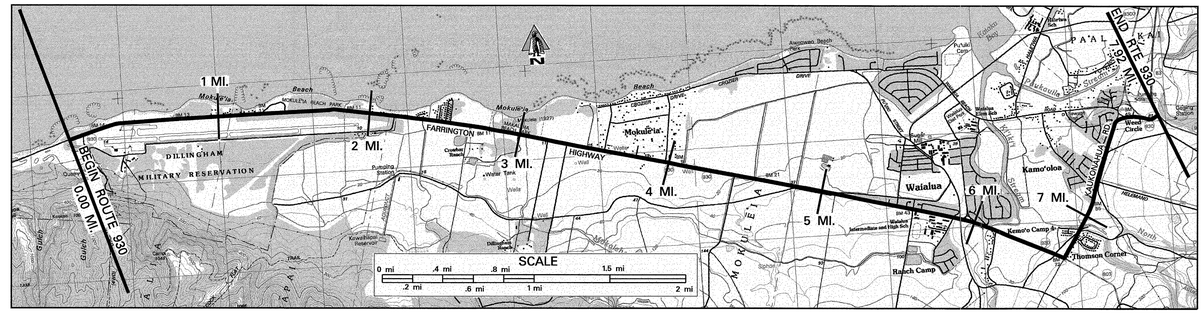
Total Route Length: 7.92 miles

a. Survey Length: 7.92 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

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.) | END 930 C & BEG. 930 D ON FARR. HWY. AT WEST E. P. OF KAUKONAHUA RD. (6.68) | 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

32' | 24' | 24' | 24' | 26' | 36' | 24'

Structure Other (PHS)

Vertical Clearance

16'–04"

Horizontal Clearance

24'

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

60'–75' (0.92) | 80' (2.86) | 70' (5.29) | 70'–110' (6.19) | 60'–70' (7.01) | 60'–65' (7.20) | 60' (7.50) | 70'

Available Right of Way Width (Needs Study)

TREES AND BUSHES | RESIDENTIAL (1.98) | 1000' CLR–SUGAR CANE 20'–30' F.P. | RESIDENTIAL | CLR 1000' SUGAR CANE

Right of Way Fence: Type – Right and Left

(WOOD 15' F.P.) (2.11) | (WOOD 30' F.P.) (2.53) (2.83) (3.26) | WOOD 30' F.P. (2.17)

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

NONE

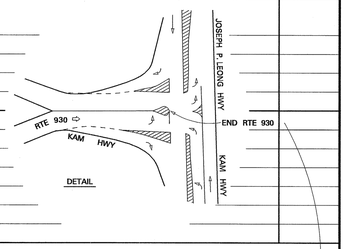
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)

STATE PHASE I (C TO S)

Project No., Type of Construction, and Year Constructed

930B–01–90M, 1991 | RS–0930(5), RESURF., 1988 (3.18) | 930D–01–88M, (R), 1988 (6.68)

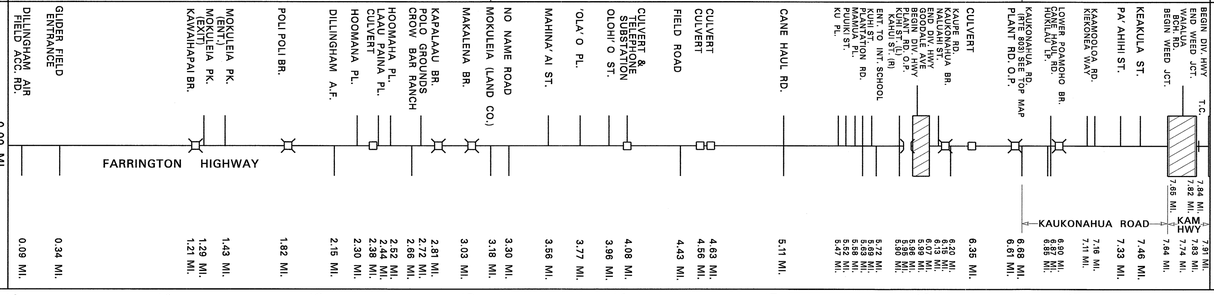
Project No., Type of Construction, and Year Constructed

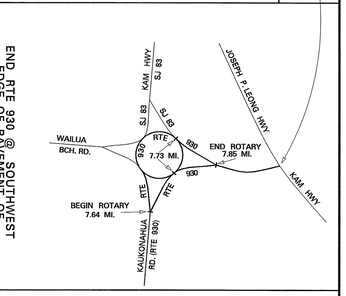


Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage





SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type — 4' AC

Pavement: Width and Type — 22' AC (26' AC) (23' AC) | 22' AC | 22' AC | 22' AC (26' AC) | 4' AC | 22' 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) | (10'–100' GRASS) (5'–250' GRASS) (0'–8' PAINTED) | (4' PAINTED AC)

Median Barriers: (0'–12' PAINTED)

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' | 2–12' | 2–20' | (2–12') (2–11')

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — (2–13') | 2–11'

(Right Side)

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

Sidewalk: Width and Type (Right and Left) — 3'–6' CONC.

Curb and/or Gutter: Type (Right and Left) — (6.5' CONC. S.W.) | 3' CONC. S.W. | CONC. CURB | (CONC. GUTTER) | CONC. CURB

Protective Devices: Type, Location and Number — WOOD ON CONC. | WOOD ON CONC. | (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

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 Station — B72 0930 00000 | B72 0930 00215 | B72 0930 00408 | B72 0930 00480 | B72 0930 00510 | B72 0930 00552 | B72 0930 00622 | B72 0930 00668

Minimum Stopping SSD– — 1.82 | 2.81 | 4.43 | 4.30 | 5.92 | 5.90 | 6.30 | 7.35

AADT (Year 2006) — 1,700 | 2,500 | 3,500 | 6,700 | 8,500 | 7,100

DOD Sections — DOD 326 | DOD 330

Census Tracts — CT 99.01 | 99.02 | 100

Functional Classification — MAJOR COLLECTOR

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

(RS–0930, 1979, WIDEN, RESURF, SHLDR. IMPRV.) 6.68 – 7.63
930B–01–69, 1970 (1.23) | (1.51) 1.83 | (1.94) 2.23 | 2.66 | 930B–01–73, (R), 1974 (3.26) | A–99–01–65, (R), 1965 (5.12) | 6.07 | 6.19 | 6.72 | WDRC 8(1), 1934 | 7.72 | (DF–082–1(1), 1959)
WDR 4(1) 1950 (1.20) | (WDR 4(1), 1950) | FAP 35 A(1) 1939 (3.17) | WDR 4(1) 1950 | (FAGH 35–B(1), 1939) (5.69) | (6.15) | FAGH 35–B(1), 1939 | NRH–7E, 1933 | FAP 7–J(1), 1939 | (FAP 21–8, 1937)
(FAP 35–C(1), 1939) (6.68) (7.12) (7.72) (7.82) (7.85) (7.92)
(F–7(22), 1951) (FAP 21–C, 1939)

SCALE: (In Miles) 2" = 1 mile

Date Released
MAR. 05, D.B.
Revised
5/06 G.N.

ROAD INVENTORY

OAHU RTE 7012
WHITMORE AVENUE

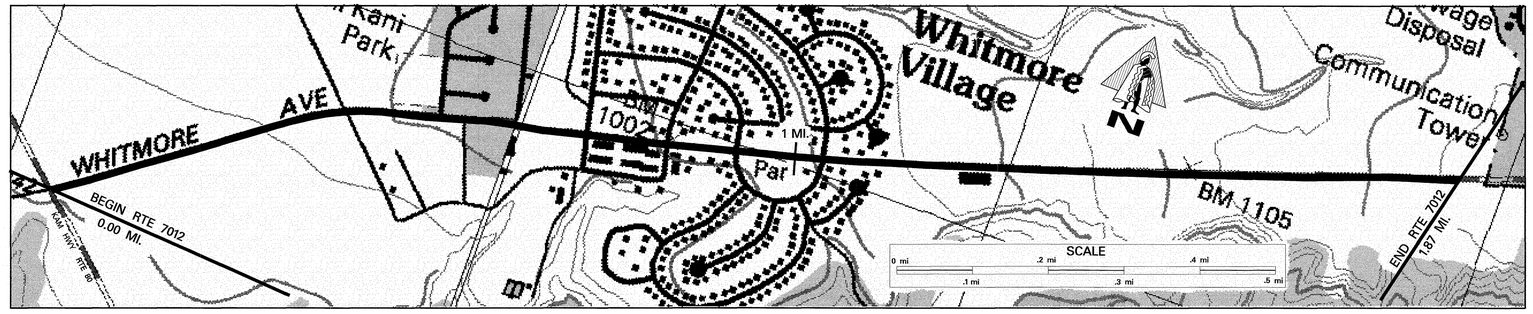
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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
- 0.83
- RESIDENTIAL / COMM.
- 1.38
- 1000' CLEAR PINEAPPLE FIELD 15' FROM EDGE OF PAVEMENT

Right of Way Fence: Type – Right and Left
- (CHAINLINK 15' FROM EDGE OF PAVEMENT) 0.01 – 0.83
- 0.92 – 1.58 (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

0.00 MI. BEGIN RTE 7012 ON WHITMORE AVE. AT THE NORTHEAST EDGE OF PAVEMENT OF KAM HWY (RTE 80).

- 0.03 MI. TRACTOR CROSSING
- WHITMORE
- 0.39 MI. TRACTOR CROSSING
- 0.52 MI. UAKANIKO'O ST.
- 0.62 MI. KULIA ST.
- 0.72 MI. DRIVEWAY TO DOLE CORP. (L) / IHIIHI AVE (R)
- 0.83 MI. DRIVEWAY TO DOLE CORP. (L) / LALAWA ST. (R)
- 0.92 MI. EHOEHO AVE. (L) / NANI IHI AVE. (R)
- 1.03 MI. IHIIHI AVE. (L) / NANI IHI AVE. (R)
- 55+00
- AVENUE
- 1.48 MI. TRACTOR CROSSING
- 1.56 MI. MILITARY COMPOUND

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
- **Pavement: Width and Type**: 0.72 – 2' AC – 1.13: 22' AC; 1.13 – 4' AC
- **Shoulder: Width and Type**: 4' 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'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 0.00 – 0.06

(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. 0.52 – 1.06

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

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: (1) FLAT

Speed: 1–Design, 2–Posted
- (NOT POSTED) 0.00 – 0.06
- 25 MPH (2)
- 1.21 – NOT POSTED

Intersection Control Devices: Type, Location and Cycle Timing
- 0.00 TRAFFIC LIGHT
- 0.72 STOP SIGN
- STOP SIGN 1.03

Traffic Station
- 0.46 B72 7012 00000
- 1.16 B72 7012 00103

HPMS Section

AADT (Year 2006)
- 12,000
- 1.03 – 2,500 – 1.87

DOD Sections: DOD 100

Census Tracts

Functional Classification: MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits
- 0.01 – 0.72: 804 A-01-87M RESURFACE, 1986; RS-0804(2), 1985; A-804-01-65 RESURFACE 1965; DANR 4(1) 1934
- 0.72 – 1.13

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

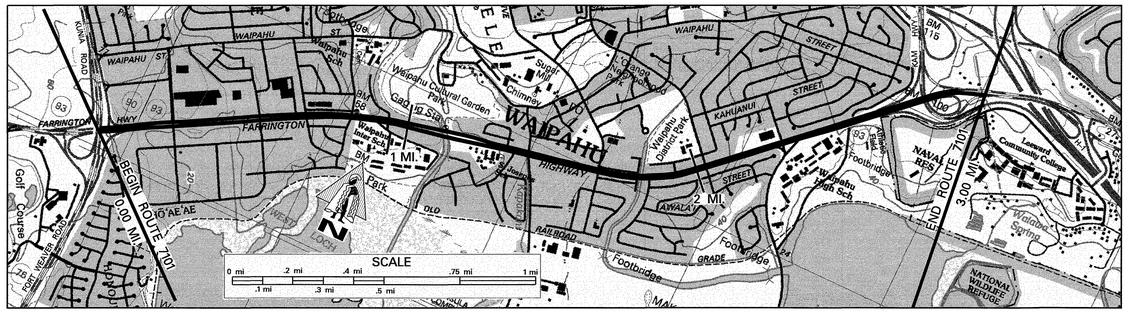
Date Released	
APR. 2005, D.B.	
Revised	
5/06	G.N.
2/08	D.B.

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

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' (0.41); I.B. TBM H15 1939 49' O.B. P/CB HS 20 1963 122' I.B. : TBM HS 15 1939 130' (1.12, 1.17); SLAB HS 20 1964 23' (1.40); SLAB HS 20 1964 55' (1.78); SLAB HS 20 1952 24' (2.50); P/CB HS 20 1969 (2.78, 2.78)
Vertical Clearance	
Horizontal Clearance	98'; OUTBOUND : 36' INBOUND : 24'; 24'; 99'; 94'; 82'

Structure Over Road

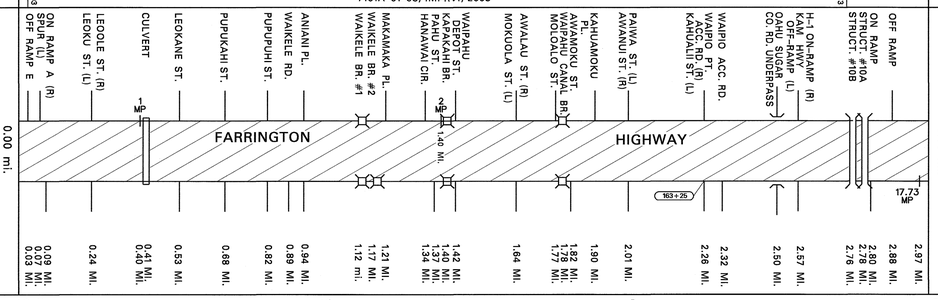
Vertical Clearance	15' 10"; 16' 03"
Horizontal Clearance	

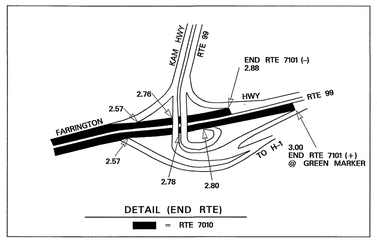
Right of Way Width (min.-max.) if varies	ESTIMATED 100'
Available Right of Way Width (Needs Study)	COMMERCIAL; RESIDENTIAL
Right of Way Fence: Type – Right and Left	TILE, CL; SW
Control of Access: 1–None, 2–Partial, 3–Full	PARTIAL
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	STATE (43+80.28; 36+05)
Project No., Type of Construction, and Year Constructed	7101A-01-04M, REHAB., 2006
Project No., Type of Construction, and Year Constructed	7101A-01-98, IMPRV., 2003

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	10' AC; 10' GRV; 0'; (8' DIRT); 0'; 10' GRASS; 10' AC; 10' DIRT
Undivided – Pavement: Width and Type	24' AC; 27' AC; 25' AC; 36' AC; 24' AC; 33' AC
Undivided – 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'; 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'; 0'; 3' AC; 8'-10' GRASS; 10' DIRT; 10' AC

Number of Traffic Lanes	4-12'; 1-13', 1-14'; 1-12', 1-14'; 1-11', 1-14'; 2-12'; 3-12'; 2-12'; 1-12', 1-14'; 2-12'; 3-11'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	11' TL; 14' TL
(Right Side)	1-12' DECEL
Frontage Road: No. of Lanes, and Width (Right and Left)	(BUS LANE)
Sidewalk: Width and Type (Right and Left)	6' AC; 6' AC; (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; 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
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	ROLLING
Speed: 1–Design, 2–Posted	(NOT POSTED); 35 MPH (2); 35 MPH (2); 30 MPH (2); 30 MPH (2); 30 MPH (2); SCHOOL ZONE 25 MPH (2); 35 MPH (2); 30 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	4 PHASE; 3 PHASE
Traffic Station	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 Section	0.12; 0.41; 0.73; 1.12; 1.95; 2.48; 2.76
AADT (Year 2006)	40,100; 30,000; 27,300; 30,500; 32,800; 34,900; 26,900
DOD Sections	DOD 185
Census Tracts	
Functional Classification	PRINCIPAL ARTERIAL – (OTHER)
National Highway System (NHS)	
Previous Projects: Project No., Date and Limits	0.26 – (7101A-02-99, IMPRV., 2001); 1.01 – (7101A-01-00, IMPRV., 2002); 7101A-02-97, SIDEWALK, PAV'T WIDENING, 1999; (7101A-03-89, (R) 1991); HWY-O-01-90M, 1991, R; 7101A-01-89M (R), 1990; DE-0200(801), IMPR., 1998; 9000A-01-80M, (R) 1981; 90A-01-77M (R) 1978; F-090-1(8), 1963; F-090-1(7), 1962; F-4(7), 1952; FAP 4C 1938; F-4(7) 1952
OUTBOUND PROJECTS	
INBOUND PROJECTS	

SCALE: (In Miles) 4" = 1 mile

Date Released
APR. 2005, D.B.
Revised
6/06 D.B.
3/07 D.B.

ROAD INVENTORY
OAHU RTE 7110
FARRINGTON HIGHWAY

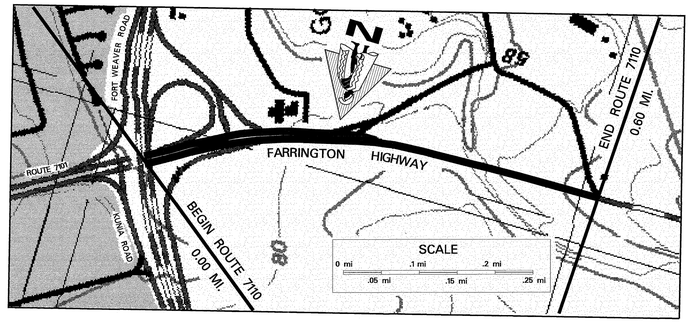
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

*



SCALE: (In Miles) 20" = 1 mile

Maintenance Control Sections : Length and Description
BEGIN 7110A SAME AS BEGIN ROUTE — 7110 A (0.60 MI.) — END 7110A SAME AS END RTE

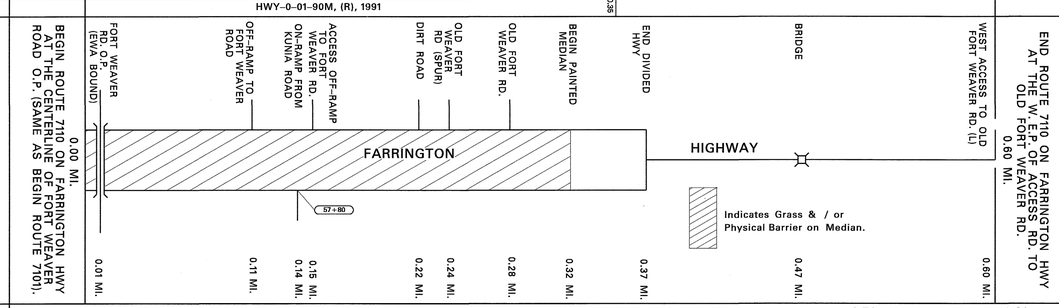
Structure Carrying Road
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Vertical Clearance
- Horizontal Clearance

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+20.56)
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 (0.35)

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 20" = 1 mile

Divided Highway — Undivided
- Shoulder: Width and Type — 10' AC; 8'–10' DIRT (0.42–0.45); 6'–10' GRASS
- Pavement: Width and Type — 24' AC (0.00–0.23); 12' AC (0.23–0.37); 24' AC (0.37–0.60)
- Shoulder: Width and Type — 4'–6' AC (0.00–0.21); 0 (0.21–0.37); 8'–10' DIRT (0.37–0.45); 4'–6' DIRT (0.45–0.60)

Divided Highway
- Median: Width and Type — 2'–8' FLUSH AC MEDIAN W/ CONC. CURB (0.00–0.11); 10'–12' RAISED GRASS MEDIAN W/ CONC. CURB (0.11–0.22); 10'–12' FLUSH GRASS MEDIAN (0.22–0.28); 10'–12' RAISED GRS MED. W/ CONC. CURB (0.28–0.32); 0'–12' PAINTED AC MEDIAN (0.32–0.37)
- Median Barriers:
- Shoulder: Width and Type — 4'–6' AC (0.00–0.23); 0 (0.23–0.37)
- Pavement: Width and Type — 24' AC (0.00–0.20); 12' AC (0.20–0.37)
- Shoulder: Width and Type — 10' AC (0.00–0.37)

Number of Traffic Lanes — 4–12' (0.00–0.23); 2–12' (L) 1–12' (R) (0.23–0.37); 2–12' (0.37–0.60)
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — L. DECEL. (0.15–0.19); 12' T.L. (0.00–0.09)
(Right Side) — 12' T.L. (0.11–0.20); ACCEL. (0.14–0.16); 12' T.L. (0.28–0.37)
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 (0.45–0.55); WOOD ON CONCRETE (0.45–0.55)
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
Terrain: 1–Flat, 2–Rolling, 3–Mountainous — FLAT (0.00–0.37); ROLLING (0.37–0.60)
Speed: 1–Design, 2–Posted — 35 MPH (2) (0.00–0.32); 45 MPH (2) 35 MPH (2) (0.32–0.60)
Intersection Control Devices: Type, Location and Cycle Timing — TRAFFIC LIGHT (L) TURN ONLY (0.11)
Traffic Station — B72 7110 00000 (0.03); B72 7110 00011 (0.11); B72 7110 00020 (0.20); B72 7110 00024 (0.24); B72 7110 00032 (0.32); B72 7110 00037 (0.37–0.45); B72 7110 00045 (0.47)
HPMS Section
AADT (Year 2006) — 16,600 (0.03–0.11); 14,800 (0.11–0.24); 8,700 (0.24–0.60)

DOD Sections
Census Tracts
Functional Classification — MINOR ARTERIAL
National Highway System (NHS)
Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 20" = 1 mile

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

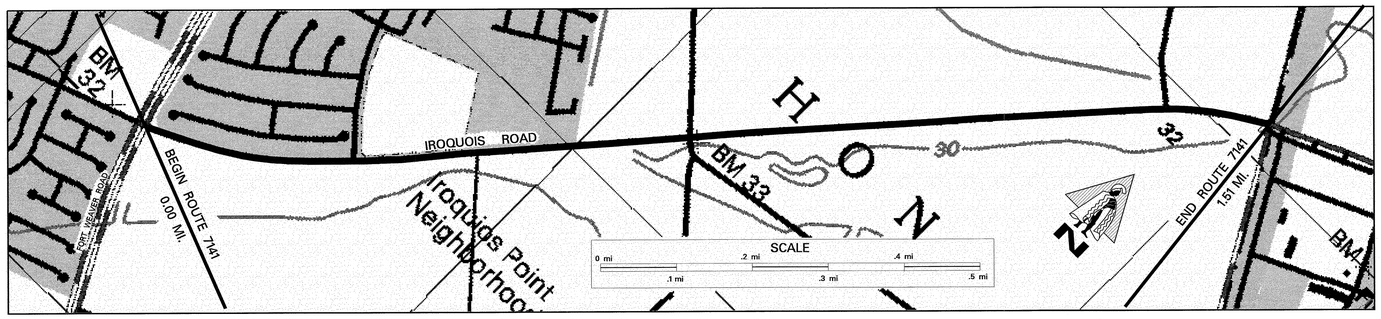
Total Route Length: 1.51 miles

a. **Survey Length:** 1.51 miles

b. **Proposed Length:** 0.00 miles

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

*



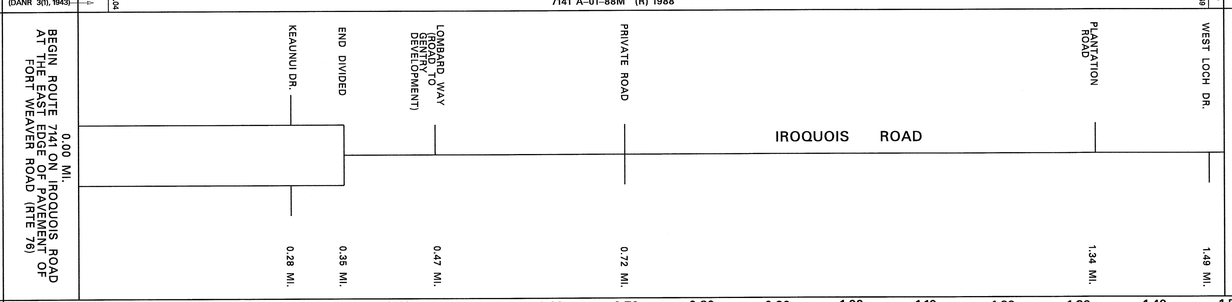
SCALE: (In Miles) 10" = 1 mile

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 — 1.48 (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: 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
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	FLAT
Speed: 1–Design, 2–Posted	25 MPH (2) 0.11 — 35 MPH (2) 0.26 — 45 MPH (2); NOT POSTED 0.00 — 45 MPH (2) 0.07; 1.34 — 35 MPH (2) 1.24 — NOT POSTED 1.40 — 25 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	0.00 TRAFFIC LIGHT
Traffic Station	B72 7141 00000 — B72 7141 00035 — B72 7141 00074 — B72 7141 00118 — B72 7141 00133
HPMS Section	0.18 — 0.44 — 0.76 — 1.18 — 1.33
AADT (Year 2006)	12,400 — 0.35 — 4,000 — 0.74 — 4,100 — 1.51
DOD Sections	DOD 405
Census Tracts	CT 84
Functional Classification	COLLECTOR
National Highway System (NHS)	
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

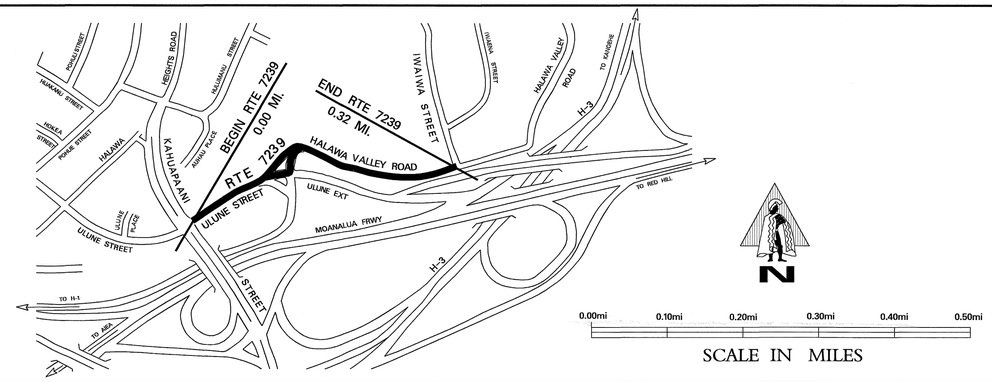
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

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

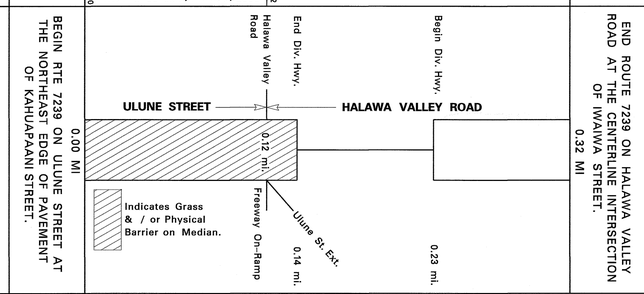
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): County

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

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
- Median: Width and Type: 4' Raised AC w/ Conc. Curb (0.12); (13' Raised Conc.) (0.14); (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 (0.26); 26' AC *
- Shoulder: Width and Type: 2' AC; 0; 0

Number of Traffic Lanes: 2–13' (1–13' 0.07 1–16'); 1–13.5' (1–12'); 2–14'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 12' (L) TL; (0.12); 12.5' (L) TL; 14' (L) TL

(Right Side): 11' (R) TL (0.07); (0.23); (0.26); 12' (L) TL

Frontage Road: No. of Lanes, and Width (Right and Left): (0.17); (0.18)

Sidewalk: Width and Type (Right and Left): 6' Conc. S.W.; None; 6' Conc. S.W.

Curb and/or Gutter: Type (Right and Left): 1' Conc. Gutter; (0.04); (0.06); (0.14); 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: 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 Station: B72 7239 00000; B72 7239 00012; B72 7239 00023

HPMS Section: 0.06; (0.23); 0.25

AADT (Year 2006): 35,300; (0.12); 16,200; (0.32)

DOD Sections

Census Tracts

Functional Classification: Major Collector

National Highway System (NHS): None

Previous Projects: Project No., Date and Limits

HPMS

SCALE: (In Miles) 20" = 1 mile

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.

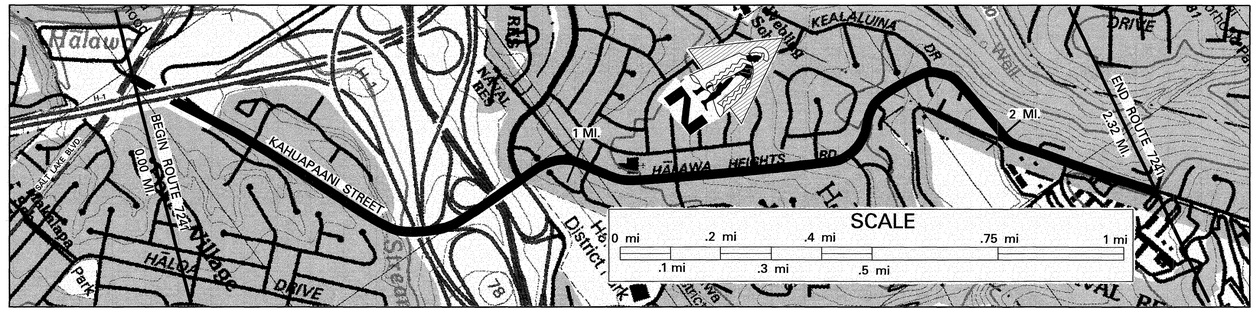
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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 (0.06); CONC. GIRDER, 430', 1975, HS-20 (0.69); CONC. GIRDER, 244', 1971, HS 20-44 (0.79); RC DECK GIRDER 38' 1952, HS 20-S16 (1.71)
Vertical Clearance	116' (0.69); 100' (0.79); 26' (1.71)
Horizontal Clearance	

Structure Over Road

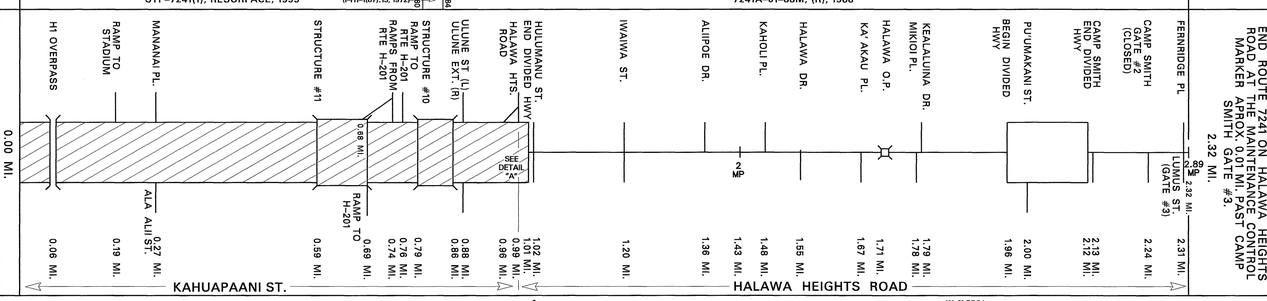
Vertical Clearance	18' 4"
Horizontal Clearance	

Right of Way Width (min.-max.) if varies	ESTIMATED 150'+ (0.67); 60'-100'
Available Right of Way Width (Needs Study)	CLEAR 1000', GRASS & BUSH 20' FROM PAVEMENT (0.88); RESIDENTIAL AREA (0.93)
Right of Way Fence: Type - Right and Left	(CHAINLINK 20' FROM E.P.) (0.88); (STONEWALL 20' F.P.) (0.93); CHAINLINK 20' FROM E.P. (1.98)
Control of Access: 1-None, 2-Partial, 3-Full	NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	STATE (22+31) (192+88)
Project No., Type of Construction, and Year Constructed	HWY-O-06M, REHAB., 2006 (2.32)
Project No., Type of Construction, and Year Constructed	STP-7241(1), RESURFACE, 1995 (I-H1-1(87):13, 1972) (0.79) (0.84); 7241A-01-88M, (R), 1988

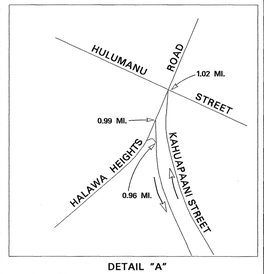
Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage



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 (0.59); 6' AC (0.69); 8' AC (0.77); (0.97); NONE (1.42); 2'-6' AC (1.54); 4' AC (1.93); 0' (2.07); 8" AC (2.09); 3' AC (2.31); (0')
Undivided — Pavement: Width and Type	24' AC (0.18); 36' AC (0.27); 48' AC (0.46); 36' AC (0.59); 36' CONC. (0.69); 36' AC (0.88); 24' AC (0.97); 3" AC; 36' AC (1.46); 24' AC (1.93); 11" AC (2.05); 22' AC (2.09); 24' AC
Undivided — Shoulder: Width and Type	NONE; NONE; 2'-6' AC (1.87); 12' GRASS; NONE; 3' AC
Median: Width and Type	23' CONC. RAISED (0.02); 23' RAISED DIRT (0.08); (0.28); 5' RAISED CONC. (0.35); 14' RAISED DIRT; 0'-20' RAISED CONCRETE (1.01); (1.96); 4' RAISED GRASS (2.12)
Median Barriers:	
Shoulder: Width and Type	NONE; NONE
Pavement: Width and Type	24' AC (0.59); 36' CONC. (0.69); 24' AC (0.99); (12 AC); 22' AC (2.09); 11' AC
Shoulder: Width and Type	10' AC; 6' CONC. (0.77); 10' AC; NONE; 2'-6' GRS. (2.07); 0'

Number of Traffic Lanes	2-12' (0.19); 3-12' (0.27); 4-12' (0.46); 3-12' (0.88); 2-12' (0.97); 1-12'; 2-12' (0.59); 2-18' (0.69); 2-12' (0.99); (1-12'); 2-18' (1.46); 2-12'; 1-11' (2.00); 2-11'; 2-11' (2.09); (1-11'); 2-12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	ALL TURN LANES ARE 12'
(Right Side)	(0.06); (0.19); (0.27); (0.37); (0.44); (0.65); (0.77); (0.88); (0.97); (1.02); (1.93); (2.00); (2.09); (2.13)
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	6' SIDEWALK (0.16); 6' SIDEWALK (0.30); 4' CONC. SIDEWALK (1.46); (2'-4' A.C. S.W.) (1.55); 4' CONC. SIDEWALK (1.46); 2'-4' A.C. S.W. (1.87)
Curb and/or Gutter: Type (Right and Left)	CONCRETE CURB & 2' CONCRETE GUTTER (1.46); (4' CONC. GUTTER) (1.74); (1.84); CONC. CURB (2.01); CONC. CURB
Protective Devices: Type, Location and Number	A = METAL ON METAL; B = WOOD ON CONC. — A (0.08); A (0.23); A (0.46); A (0.77); (0.85); A (0.96); (1.46); A (1.49); (1.66); B A 1.73; (1.81); (1.82); A (1.84); (2.27); A
Illumination: Type, Location and Number	HPS (0.65); MV (1.02); (1.69); (2.31)
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
Terrain: 1-Flat, 2-Rolling, 3-Mountainous	FLAT (0.74); (0.89); MOUNTAINOUS
Speed: 1-Design, 2-Posted	35 MPH (2); (35 MPH (2)) (0.87); 25 MPH (2); 25 MPH (2); 30 MPH (2) (1.16); 30 MPH (2); (1.63); 25 MPH (2); (2.18); NOT POSTED
Intersection Control Devices: Type, Location and Cycle Timing	3 PHASE TRAFFIC SIGNALS (0.27); T.L. (0.74); T.L. (0.87); (0.94)
Traffic Station	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 Section	0.17; 0.43; (0.59); (0.88); 0.73; 0.83; 0.95; 1.41; 1.73; (1.97); 2.05; 2.19
AADT (Year 2006)	22,700; (0.27); 25,900; (0.46); 18,600; (0.77); 29,700; (0.88); 11,600; (1.02); 10,000; (1.90); 7,300; (1.79); 6,000; (2.12); 1,300; (2.32)
DOD Sections	DOD 455 (0.88); DOD 460
Census Tracts	
Functional Classification	MINOR ARTERIAL (0.88); COLLECTOR
National Highway System (NHS)	
Previous Projects: Project No., Date and Limits	I-H1-1(96):13, (CONST.), 1982; I-H1-1(115):13, 1975 (0.59); I-H1-1(115):13, 1974 (0.57); (32+83); (I-H1-1(90):13, 1972); (0.69); (27+80); I-H1-1(87):13, 1972 (1.02); (10+00); (124+43); 7108-01-75M, (R), 1975; DANR(1), 1942; (193+00)

SCALE: (In Miles) 4" = 1 mile

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
0.00mi. 0.05mi. 0.10mi. 0.15mi. 0.20mi. 0.25mi.

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

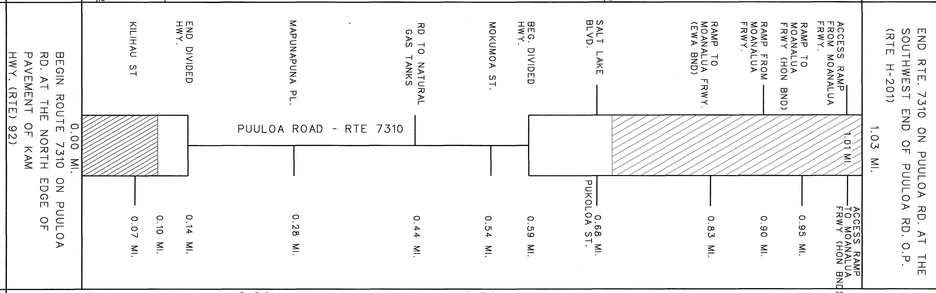
Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.-max.) if varies: 100' (0.07); 120'
Available Right of Way Width (Needs Study): INDUSTRIAL AREA; RESIDENTIAL AREA
Right of Way Fence: Type - Right and Left (CL=CHAIN LINK FP=FROM PAV'T): 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; 1984; 1988 (R)

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'-24' AC; 24' AC; 36' AC; 24' AC
- Shoulder: Width and Type: 0'; 4'AC/8' GRAVEL; 0'; 2' AC

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 AC); 10' RSD AC; 10' RSD GRS; 10' RSD AC; 3' RSD CONC

Divided Highway — Undivided
- 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; 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'; 3-12'; 2-12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 12'; 1-12'; 2-12'; 4-12'; 2-12'; 12'
(Right Side): 14'; 12'; 12'; 10'; 12'; 10'; 10'; 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; 4' CONC SW
Curb and/or Gutter: Type (Right and Left): 0.04 CURB & 2' GUTTER; CURB & 2' GUTTER; CURB; CONC. CURB; CONC. CURB; CURB & 2' GUTTER; CURB & 2' GUTTER
Protective Devices: Type, Location and Number: CONC. BARRIERS; CONC. BARRIERS; G.R.; 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
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 Station: B72 7310 00000; B72 7310 00007; B72 7310 00010; B72 7310 00014; B72 7310 00061; B72 7310 00068; B72 7310 00083
HPMS Section: 0.02; 0.44; 0.62; 0.89
AADT (Year 2006): 27,700; 19,200; 23,500; 38,000
DOD Sections: DOD 465; DOD 470
Census Tracts
Functional Classification: MINOR ARTERIAL
National Highway System (NHS): NHS
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	
J.K.	6/99
D.B.	1/00
J.K.	10/01
D.B.	8/04
G.N.	5/06
D.B.	12/07

ROAD INVENTORY
OAHU ROUTE 7345
JARRETTE WHITE ROAD

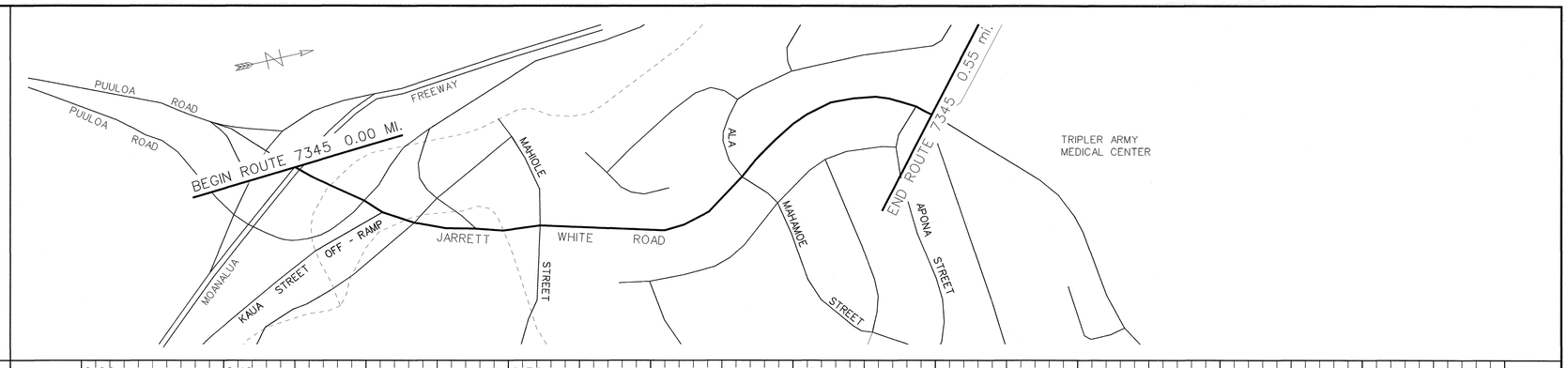
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Maintenance Control Sections : Length and Description

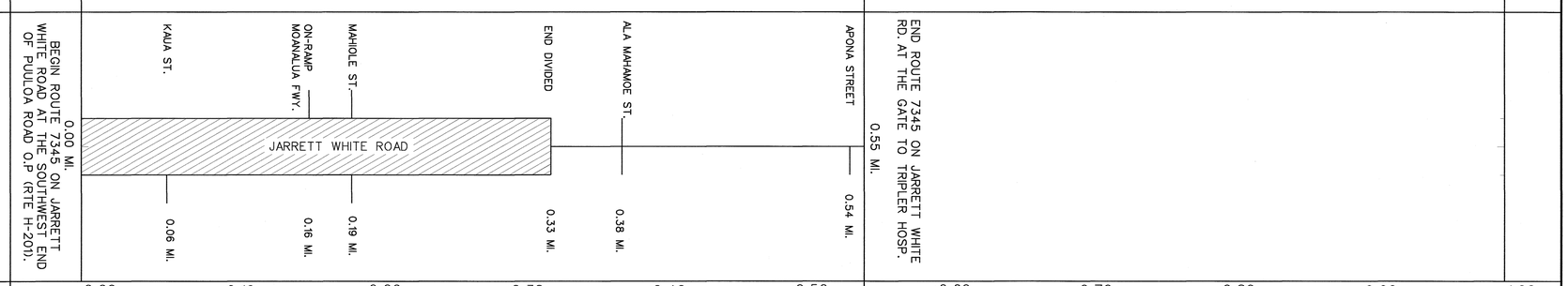
Structure Carrying Road: Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Vertical Clearance
- Horizontal Clearance

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

Divided Highway — Undivided

	0.00–0.19	0.19–0.33	0.33–0.38	0.38–0.42	0.42–0.55
Shoulder: Width and Type	12' AC	6' AC		5' AC	
Pavement: Width and Type	24' AC		48' AC		36' AC
Shoulder: Width and Type	0		6' AC		CURB
Median: Width and Type	14' (CONC.) RAISED 2' CONC. GUTTER Ⓛ & Ⓡ CONC. CURB Ⓛ & Ⓡ	14' (CONC./AC) RAISED 2' CONC. GUTTER Ⓛ & Ⓡ CONC. CURB Ⓛ & Ⓡ			
Shoulder: Width and Type	0				
Pavement: Width and Type	24' AC				
Shoulder: Width and Type	10' AC	6' AC			

Number of Traffic Lanes: 4 LANES (0.42–0.55: 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)

	0.00–0.19	0.19–0.38	0.38–0.55
Sidewalk: Width and Type (Right and Left)	4' CONC. Ⓛ ONLY	4' CONC. Ⓛ & Ⓡ	4' CONC. Ⓡ ONLY
Curb and/or Gutter: Type (Right and Left)		2' CONC. GUTTER / 2' CONC. GUTTER	

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
Terrain: 1-Flat, 2-Rolling, 3-Mountainous: 3
Speed: 1-Design, 2-Posted
Intersection Control Devices: Type, Location and Cycle Timing: 0.38–0.55: 2 PHASE

	0.00–0.18	0.18–0.33	0.33–0.38	0.38–0.42	0.42–0.55
Traffic Station	B72 7345 00000	B72 7345 00019	B72 7345 00033	B72 7345 00038	B72 7345 00042
HPMS Section					0.49
AADT (Year 2006)	25,300	19,100		16,000	

DOD Sections
Census Tracts
Functional Classification: MAJOR COLLECTOR
National Highway System (NHS): NHS
Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 0.10 mile

Date Released	
Sept 1994	
Revised	
Sept 94	PD
5/06	G.N.

ROAD INVENTORY

OAHU RTE 7350
BOUGAINVILLE DRIVE

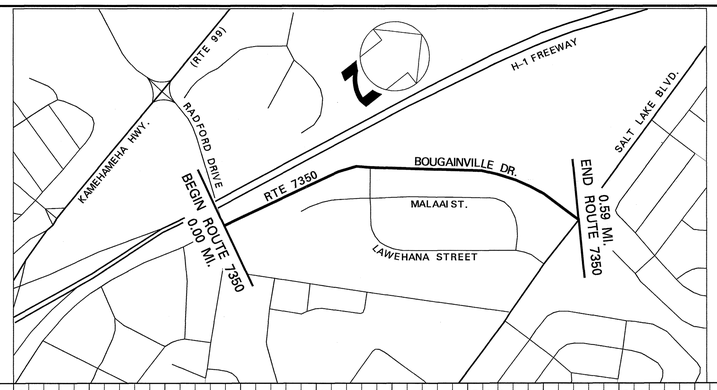
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

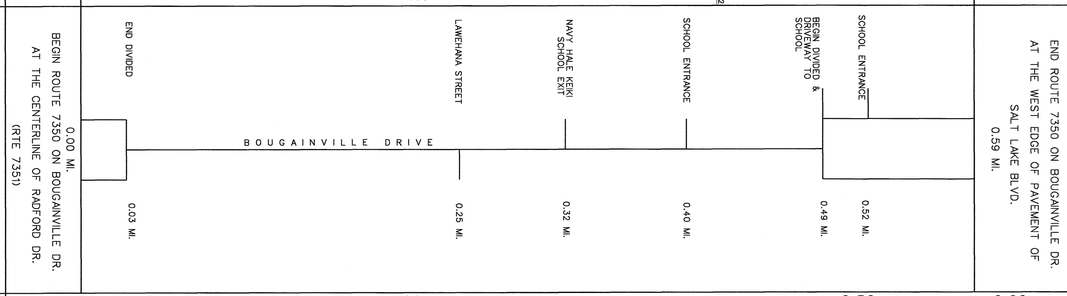
Structure Carrying Road
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Vertical Clearance
- Horizontal Clearance

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) 0.42
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
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 Station: B72 7350 00000
HPMS Section: 0.15
AADT (Year 2006): 14,700 0.59

DOD Sections
Census Tracts
Functional Classification: MAJOR COLLECTOR
National Highway System (NHS)
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.l.	aug 95
G.N.	5/06

ROAD INVENTORY

OAHU RTE 7351
RADFORD DRIVE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

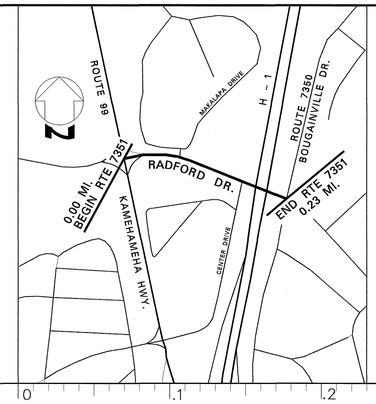
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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 _____



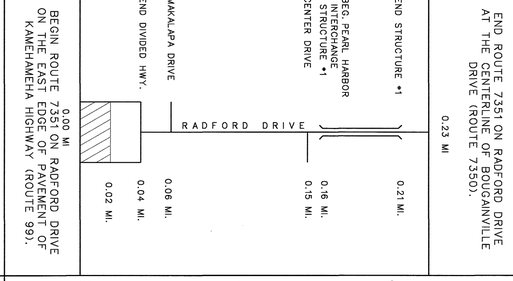
SCALE: (In Miles) 2" = 0.1 mile

Maintenance Control Sections : Length and Description	
Structure Carrying Road: Bridges (Over 20'): Length, Type, Capacity and Year Constructed	
Structure Carrying Road: Vertical Clearance	0.16
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. 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	0'
Divided Highway, Undivided: Pavement: Width and Type	24' AC / 48' AC / 0.20 / 24' AC
Divided Highway, Undivided: Shoulder: Width and Type	0'
Divided Highway: Median: Width and Type	(12' RAISED DIRT) / 0.02 / 0.04 / (0'-12' PAINT)
Divided Highway: Shoulder: Width and Type	0'
Divided Highway: Pavement: Width and Type	24' AC
Divided Highway: Shoulder: Width and Type	0'
Number of Traffic Lanes	4-12' / 2-12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	12' AC T.L. / 0.04 / 0.20
(Right Side)	12'AC / 0.12 / 12' AC T.L.
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	6' CONCRETE SIDEWALK / 8' CONCRETE SIDEWALK
Curb and/or Gutter: Type (Right and Left)	2' CONCRETE GUTTER / 2' CONCRETE GUTTER
Protective Devices: Type, Location and Number	M/M GUARDRAILS / 0.06 / CONCRETE GUARDRAILS / 0.16 / CONCRETE GUARDRAILS
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
Terrain: 1-Flat, 2-Rolling, 3-Mountainous	FLAT
Speed: 1-Design, 2-Posted	
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Station	B72 7351 00000 / B72 7351 00004 / B72 7351 00020
HPMS Section	0.04 / 0.09 / 0.21
AADT (Year 2006)	15,400 / 0.20 / 22,600 / 0.23
DOD Sections	
Census Tracts	
Functional Classification	MAJOR COLLECTOR
National Highway System (NHS)	
Previous Projects: Project No., Date and Limits	

SCALE: (In Miles) 2" = 0.1 mile

Date Released	
Sept 1994	
Revised	
Oct 95	p. L.
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

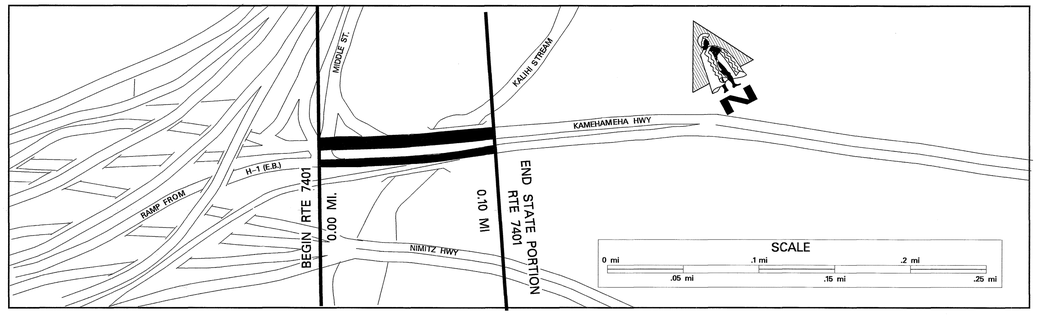
Total Route Length: 0.10 miles

a. Survey Length: 0.10 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

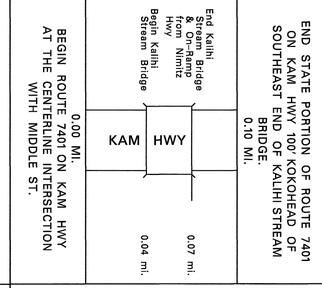
*



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
Divided Highway, Undivided: Pavement: Width and Type	48′ AC
Divided Highway, Undivided: Shoulder: Width and Type	1′ AC
Divided Highway: Median: Width and Type	5′–12′ Raised Conc.
Divided Highway: Shoulder: Width and Type	1′ AC
Divided Highway: Pavement: Width and Type	24′ AC
Divided Highway: Shoulder: Width and Type	2′ AC
Number of Traffic Lanes	4–12′
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	2–12′
(Right Side)	1–12′ (R) T.L.
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 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:	Urban
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 Station	B72 7401 00000
HPMS Section	0.07
AADT (Year 2005 – No '06 Update)	0.00 – 44,384 – 0.10
DOD Sections	
Census Tracts	
Functional Classification	Minor Arterial
National Highway System (NHS)	None
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

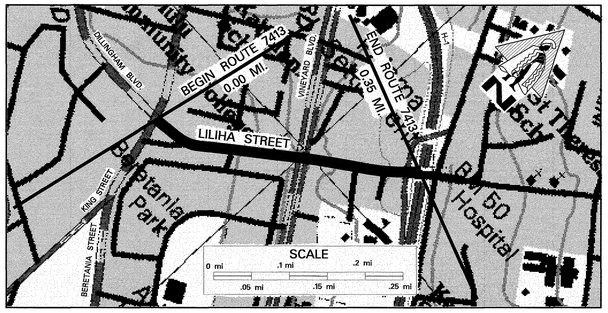
Total Route Length: 0.35 miles

a. Survey Length: 0.35 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

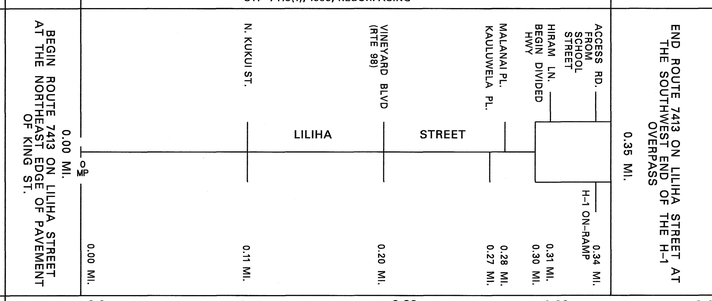
*



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	
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	ESTIMATED 70'–120'
Available Right of Way Width (Needs Study)	RESIDENTIAL / COMMERCIAL
Right of Way Fence: Type – Right and Left	0.01 TILE WALL 16" 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	
Project No., Type of Construction, and Year Constructed	STP–7413(1), 1995, RESURFACING

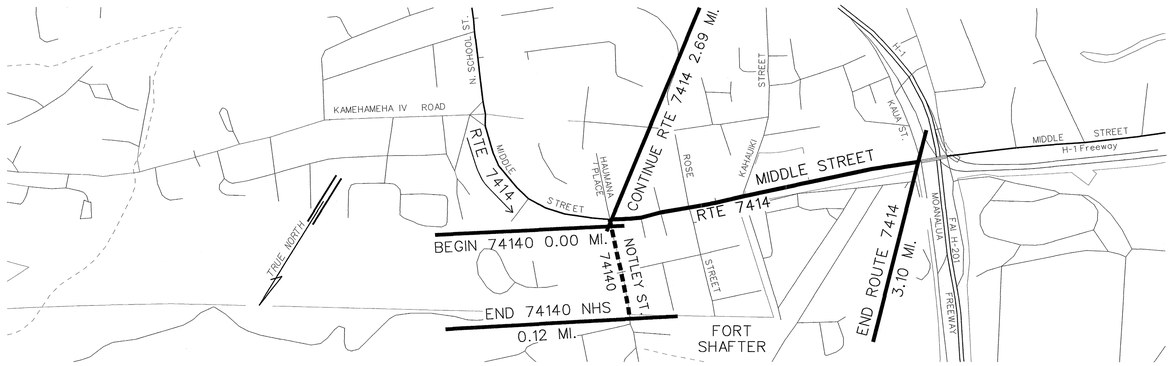
Road Diagram

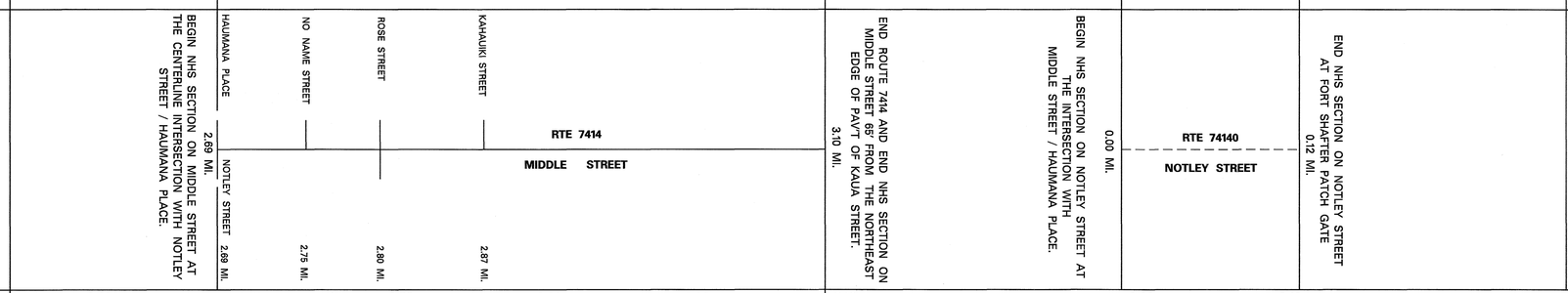
* MP = Milepost Signage



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
Divided Highway, Undivided: Pavement: Width and Type	40' AC; 0.20 54' AC 0.27 60' AC; 32' AC
Divided Highway, Undivided: Shoulder: Width and Type	NONE; 0
Divided Highway: Median: Width and Type	0.30; 0'–10' PAINTED AC
Divided Highway: Median Barriers:	
Divided Highway: Shoulder: Width and Type	0
Divided Highway: Pavement: Width and Type	34' AC
Divided Highway: Shoulder: Width and Type	0
Number of Traffic Lanes	2–10' (L), 2–10' (R); 0.20 1–10' (L), 1–16' (L) 1–10' (R), 1–18' (R); 0.27 (R) 1–12', 1–18' (L) 1–12', 1–18'; 0.34 (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) 0.05; 10' TL (L) 0.25; 0.34 10' TL
(Right Side)	1–9' TL (L) 0.11 0.14 9' TL (L) 0.18 0.24 8' PARK 0.27 0.31 10' TL 0.34
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
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	FLAT
Speed: 1–Design, 2–Posted	NOT POSTED 0.07 25 MPH (2) 0.14 NOT POSTED 25 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	0.20 TRAFFIC LIGHT; TRAFFIC LIGHT 0.26
Traffic Station	B72 7413 00000
HPMS Section	0.26
AADT (Year 2006)	24,800; 0.35
DOD Sections	DOD 485 CT 54; 0.20 DOD 490 CT 55
Census Tracts	CT 53
Functional Classification	MINOR ARTERIAL
National Highway System (NHS)	
Previous Projects: Project No., Date and Limits	9700B-01-83M, 1983, (R); U-097-1(2), 1967; 0.20; 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	2.60	2.70 2.80 2.90 3.00	3.10	0.00	0.10
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)		COUNTY		COUNTY	
Project No., Type of Construction, and Year Constructed					
Project No., Type of Construction, and Year Constructed					
Road Diagram * MP=Milepost Signage	BEGIN NHS SECTION ON MIDDLE STREET AT THE CENTERLINE INTERSECTION WITH NOTLEY STREET / HAUMANA PLACE. 2.69 MI.	HAUMANA PLACE NOTLEY STREET 2.69 MI. NO NAME STREET 2.75 MI. ROSE STREET 2.80 MI. KAHAUIKI STREET 2.87 MI. RTE 7414 MIDDLE STREET	END ROUTE 7414 AND END NHS SECTION ON MIDDLE STREET 65' FROM THE NORTHEAST EDGE OF PAV'T OF KAUA STREET. 3.10 MI. BEGIN NHS SECTION ON NOTLEY STREET AT THE INTERSECTION WITH MIDDLE STREET / HAUMANA PLACE. 0.00 MI.	RTE 74140 NOTLEY STREET	END NHS SECTION ON NOTLEY STREET AT FORT SHAFTER PATCH GATE 0.12 MI.
SCALE: (In Miles) 20" = 1 mile	2.60	2.70 2.80 2.90 3.00	3.10	0.00	0.10
Undivided: Shoulder: Width and Type		0		0	
Pavement: Width and Type		40' AC		23' AC	
Shoulder: Width and Type		0		6' Grv./Grs.	
Divided Highway: Median: Width and Type					
Shoulder: Width and Type					
Pavement: Width and Type					
Shoulder: Width and Type					
Number of Traffic Lanes		4 – 10'		2 – 11.5'	
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)					
(Right Side)					
Frontage Road: No. of Lanes, and Width (Right and Left)				4' AC SW	
Sidewalk: Width and Type (Right and Left)		4' CONC.			
Curb and/or Gutter: Type (Right and Left)		CONC CURB Ⓛ & Ⓡ		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		LARGE URBANIZED	
Terrain: 1–Flat, 2–Rolling, 3–Mountainous					
Speed: 1–Design, 2–Posted					
Intersection Control Devices: Type, Location and Cycle Timing					
Traffic Station		B72 7414 00244		B72 74140 00000	
HPMS Section					
AADT (Year 2006)		17,374		100	
DOD Sections					
Census Tracts					
Functional Classification		MINOR ARTERIAL		LOCAL	
National Highway System (NHS)		NHS		NHS	
Previous Projects: Project No., Date and Limits					
SCALE: (In Miles) 20" = 1 mile	2.60	2.70 2.80 2.90 3.00	3.10	0.00	0.10

Date Released	
Aug 2002, DB	
Revised	
Sept 02	*DB*
6/06	*DB*

ROAD INVENTORY
OAHU RTE 7415
MIDDLE STREET

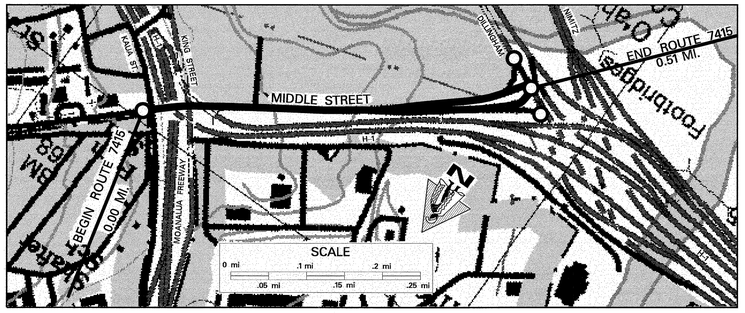
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

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: 0.06 CL-6' 0.08

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

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

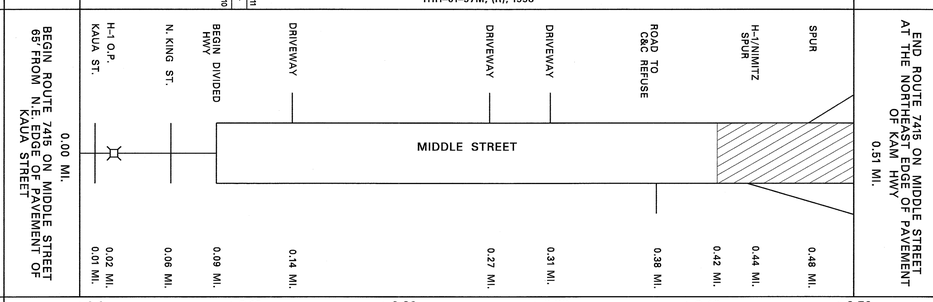
Project No., Type of Construction, and Year Constructed: (I-H1-1(131):17, 1982) 0.10 0.11

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

Divided Highway – Undivided

Shoulder: Width and Type: 0

Pavement: Width and Type: 48' AC | 24' AC

Shoulder: Width and Type: 0 | 0

Divided Highway

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; 0.27 0.28

Frontage Road: No. of Lanes, and Width (Right and Left): 0.44 10' CONC. SIDEWALK

Sidewalk: Width and Type (Right and Left): 0.02 2' CONC.; 0.06 2' CONC.; 0.17 10' AC BIKEWAY/WALKWAY

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

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

Speed: 1–Design, 2–Posted: 30 MPH (2) 0.26 NOT POSTED; 35 MPH (2) 0.46 NOT POSTED

Intersection Control Devices: Type, Location and Cycle Timing: 0.01 TRAFFIC SIGNALS 0.06; TRAFFIC SIGNAL 0.51

Traffic Station: B72 7415 00000; B72 7415 00042

HPMS Section: 0.31 0.42

AADT (Year 2006): 14,600 0.51

DOD Sections

Census Tracts: 62.01 0.06 66 60

Functional Classification: MINOR ARTERIAL

National Highway System (NHS): NONE

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

Date Released	
MAY 05, DB	
Revised	
6/06	DB

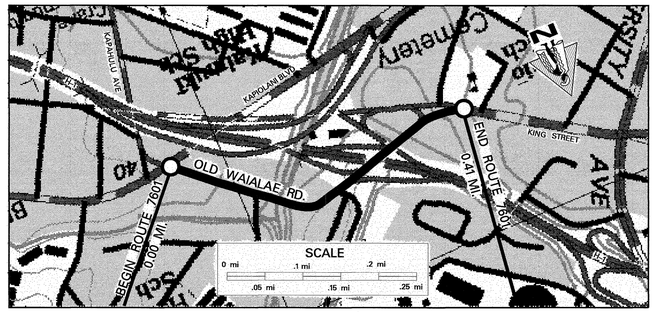
ROAD INVENTORY
OAHU RTE 7601
OLD WAIALAE ROAD, KING STREET

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

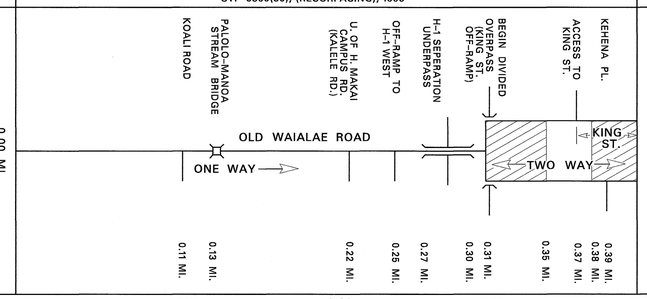
Structure Carrying Road
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Vertical Clearance
- Horizontal Clearance

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



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 | 0.28 | 0
- Pavement: Width and Type — 36' AC | 0.26 | 12' AC | 12' AC | 0.38 | 24' AC
- Shoulder: Width and Type — 0 | 0

Divided Highway
- Median: Width and Type — 0.31 | 2'–10' AC ROLL (FLUSH) | 0.35 | 2' AC (PAINT) | 0.38 | 2'–8' CONC. (RAISED)
- Median Barriers:
- 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' | 2–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — 0.37 | 0.38
(Right Side) — 0.03 | 0.06 (20' AC BUS LANE) | 1–12' T.L. | 0.35 | 0.37 | 0.38
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left) — 6' CONC. S.W. (L)(R) | 0.05 | 6' AC S.W. (L)(R) | 0.08 | 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 — 0.02 | 0.06 | 0.13 | 0.16 | 0.45 | M/M GUARDRAIL | 0.02 | (1' CONC. C&G)
Illumination: Type, Location and Number — (M/M GUARDRAIL) (CONC. BARRIER) (CONC. HEADWALLS) 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
Terrain: 1–Flat, 2–Rolling, 3–Mountainous — FLAT
Speed: 1–Design, 2–Posted — 25 MPH (2) | 0.37 SCHOOL ZONE 25 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing — 0.00 TRAFFIC LIGHT
Traffic Station — B72 7601 00000 | B72 7601 00025 | B72 7601 00031 | B72 7601 00039
HPMS Section — 0.13 | 0.26 | 0.31 | 0.39
AADT (Year 2006) — 21,800 | 0.25 | 23,600 | 0.41 | (44,200)
DOD Sections
Census Tracts
Functional Classification — OTHER PRINCIPAL ARTERIAL
National Highway System (NHS)
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

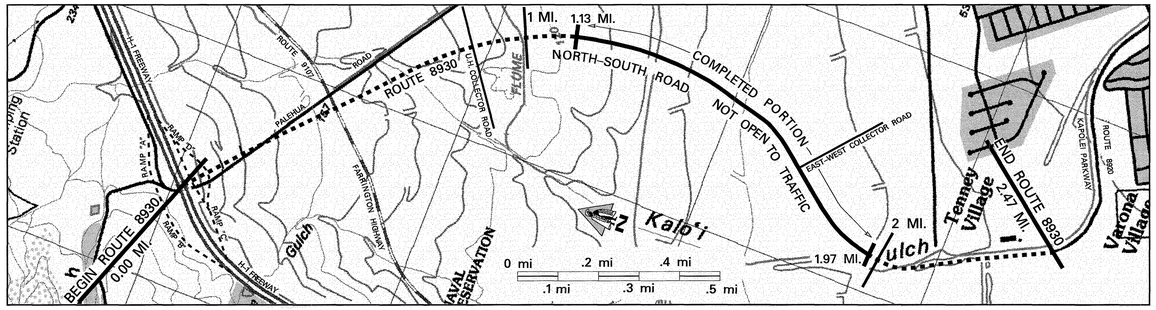
OAHU RTE 8930
NORTH–SOUTH ROAD

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

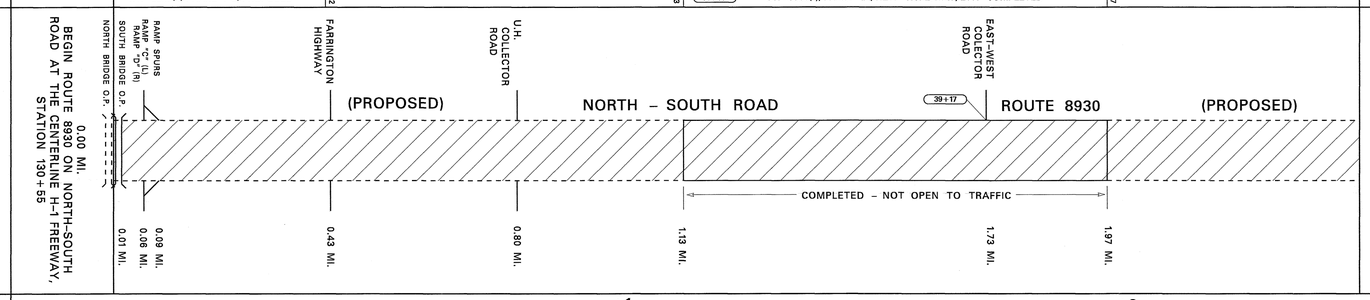


SCALE: (In Miles) 4" = 1 mile	0 — 1 — 2 — 3
Maintenance Control Sections : Length and Description	
Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed	
Structure Carrying Road — Vertical Clearance	
Structure Carrying Road — Horizontal Clearance	
Structure Over Road — 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:	
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
National Highway System (NHS)	NON – NHS
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

ROAD INVENTORY
OAHU RTE 8940
FRANKLIN D. ROOSEVELT AVENUE

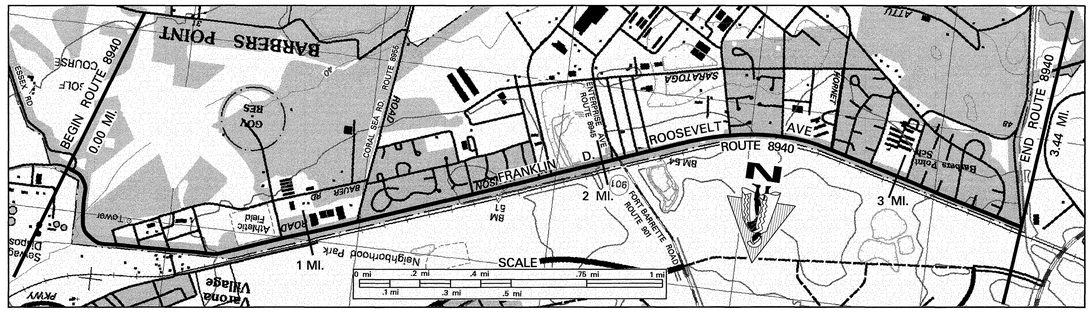
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

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)
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.

END ROUTE 8940 ON FRANKLIN D. ROOSEVELT AVENUE AT WEST PERIMETER FENCE BDRY 3.44 mi.

0.00 mi. ESSEX ROAD END DIVIDED; 0.03 MI. 0.01 MI.; TICONDEROGA RD. 0.44 MI.; ROAD ROAD 0.55 MI. 0.53 MI.; KASAAN BAY RD. 0.66 MI.; CORREGIDOR RD. 0.91 MI.; SPUR CORAL SEA ROAD (ROUTE 8965) SPUR 1.20 MI. 1.18 MI. 1.16 MI.; BOGAINVILLE RD. 1.57 MI.; BEGIN DIV. HWY BEGIN DIV. HWY BIKEWAY ROAD NASSAU AVE 1.86 MI. 1.84 MI. 1.83 MI. 1.79 MI.; SQUARE CULVERT 1.95 MI.; BATAAN AVE RABAUL AVE TINIAN AVE FORT BARRETTE RD. (R) (ROUTE 901) 2.16 MI. 2.12 MI. 2.08 MI. 2.03 MI.; END DIV. HWY ENTERPRISE AVE (L) (ROUTE 8940) 2.03 MI.; LEXINGTON ST. 2.43 MI.; VALLEY FORGE AVE 2.52 MI.; FRANKLIN AVE 2.63 MI. 2.60 MI.; ROAD 2.70 MI.; HORNET AVE 2.77 MI.; FORRESTAL AVE 2.82 MI.; TULAGI ST. 2.91 MI.; COPAHEE AVE 3.03 MI.; ROAD 3.21 MI.; ROAD 3.27 MI.; CORAL ROAD 3.36 MI.; ROAD 3.43 MI.

FRANKLIN D. ROOSEVELT AVENUE

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type

Divided Highway
- Median: Width and Type
- Median Barriers:
- 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)
Grades: % Grade, Positive or Negative
HOV Lanes/Contra-Flow Lanes
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: URBAN
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: 1–FLAT
Speed: 1–Design, 2–Posted
Intersection Control Devices: Type, Location and Cycle Timing: STOP SIGNS
Traffic Station
HPMS Section
AADT
DOD Sections
Census Tracts
Functional Classification: (MINOR ARTERIAL – PROPOSED) (MAJOR COLLECTOR – PROPOSED) (LOCAL ROAD – PROPOSED)
National Highway System (NHS)
Previous Projects: Project No., Date and Limits

Date Released
Nov. 2006, D.B.
Revised

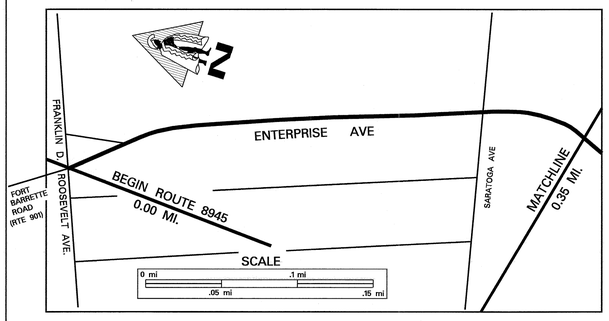
SCALE: (In Miles) 4" = 1 mile

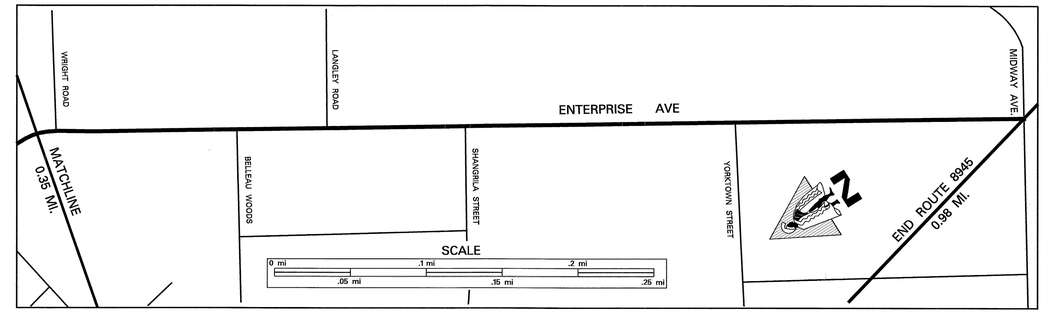
ROAD INVENTORY
OAHU RTE 8945
ENTERPRISE AVENUE

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



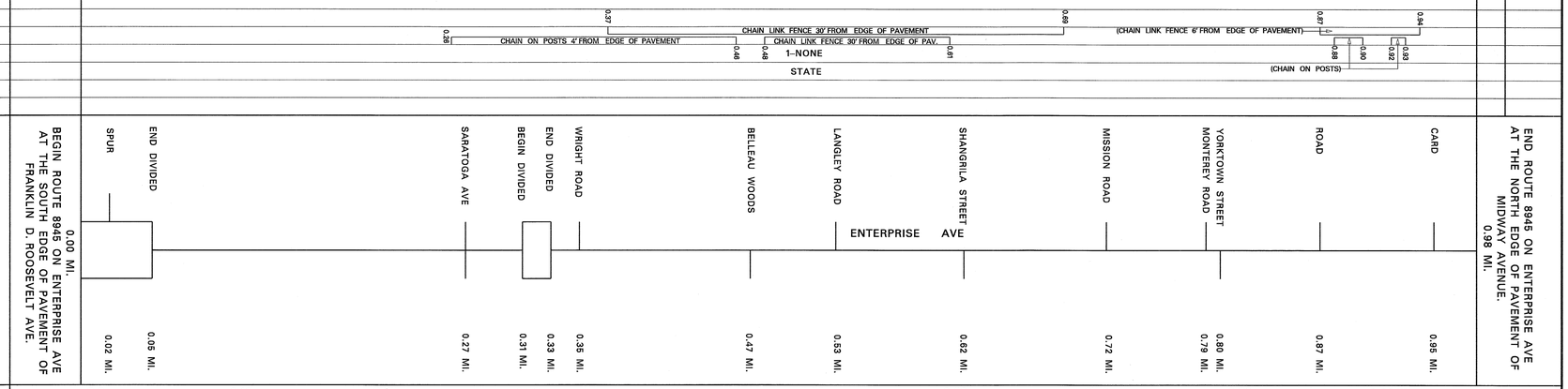


SCALE: (In Miles) 20" = 1 mile

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)
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) 20" = 1 mile

Divided Highway — Undivided — Shoulder: Width and Type
Divided Highway — Undivided — Pavement: Width and Type
Divided Highway — Undivided — Shoulder: Width and Type
Divided Highway — Median: Width and Type
Divided Highway — Median Barriers:
Divided Highway — Shoulder: Width and Type
Divided Highway — Pavement: Width and Type
Divided Highway — 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)
Grades: % Grade, Positive or Negative
HOV Lanes/Contra–Flow Lanes
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: URBAN
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 Station
HPMS Section
AADT
DOD Sections
Census Tracts
Functional Classification: (MAJOR COLLECTOR – PROPOSED)
National Highway System (NHS)
Previous Projects: Project No., Date and Limits

Date Released
Dec. 2006, D.B.
Revised

SCALE: (In Miles) 20" = 1 mile

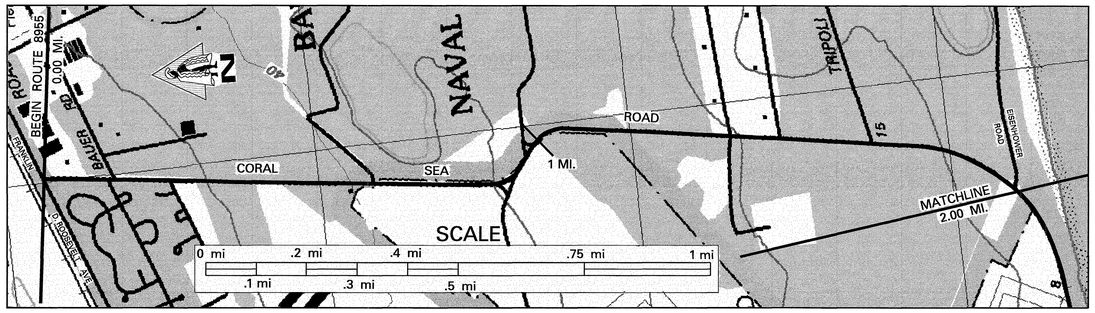
ROAD INVENTORY
OAHU RTE 8955
CORAL SEA ROAD

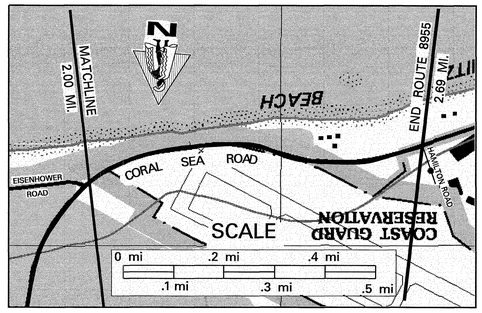
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

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

(CHAIN LINK FENCE 6' FROM E.P.) 0.24
0.35 0.41 0.74 CHAIN LINK FENCE 20' FROM E.P.
(CHAIN LINK FENCE 30' FROM E.P.) 1.15 1.33 1.60
NONE
STATE
2.04 CHAIN LINK FENCE 10'–30' FROM E.P.
(CHAIN ON POSTS 6' FROM E.P.) 2.45 2.51
(CHAIN ON POSTS 3' FROM E.P.) 2.61
(CHAIN LINK FENCE 3' FROM E.P.) 2.64

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 0.97 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

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 2.61; 3' GRASS
Pavement: Width and Type: 28' AC 0.46; 20' AC
Shoulder: Width and Type: 6' GRASS 0.27; 6' CORAL 0.70; 10' CORAL 1.15; 6' CORAL 1.48; 6' GRASS 2.15; 10' GRASS 2.34; 6' GRASS 2.48; 10' CORAL 2.64; 3' GRS.

Divided Highway – Median:
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: URBAN
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 Station
HPMS Section
AADT
DOD Sections
Census Tracts
Functional Classification: (MAJOR COLLECTOR – PROPOSED)
National Highway System (NHS)
Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 4" = 1 mile

Date Released
Dec. 2006, D.B.
Revised