STATE ROUTE SYSTEM

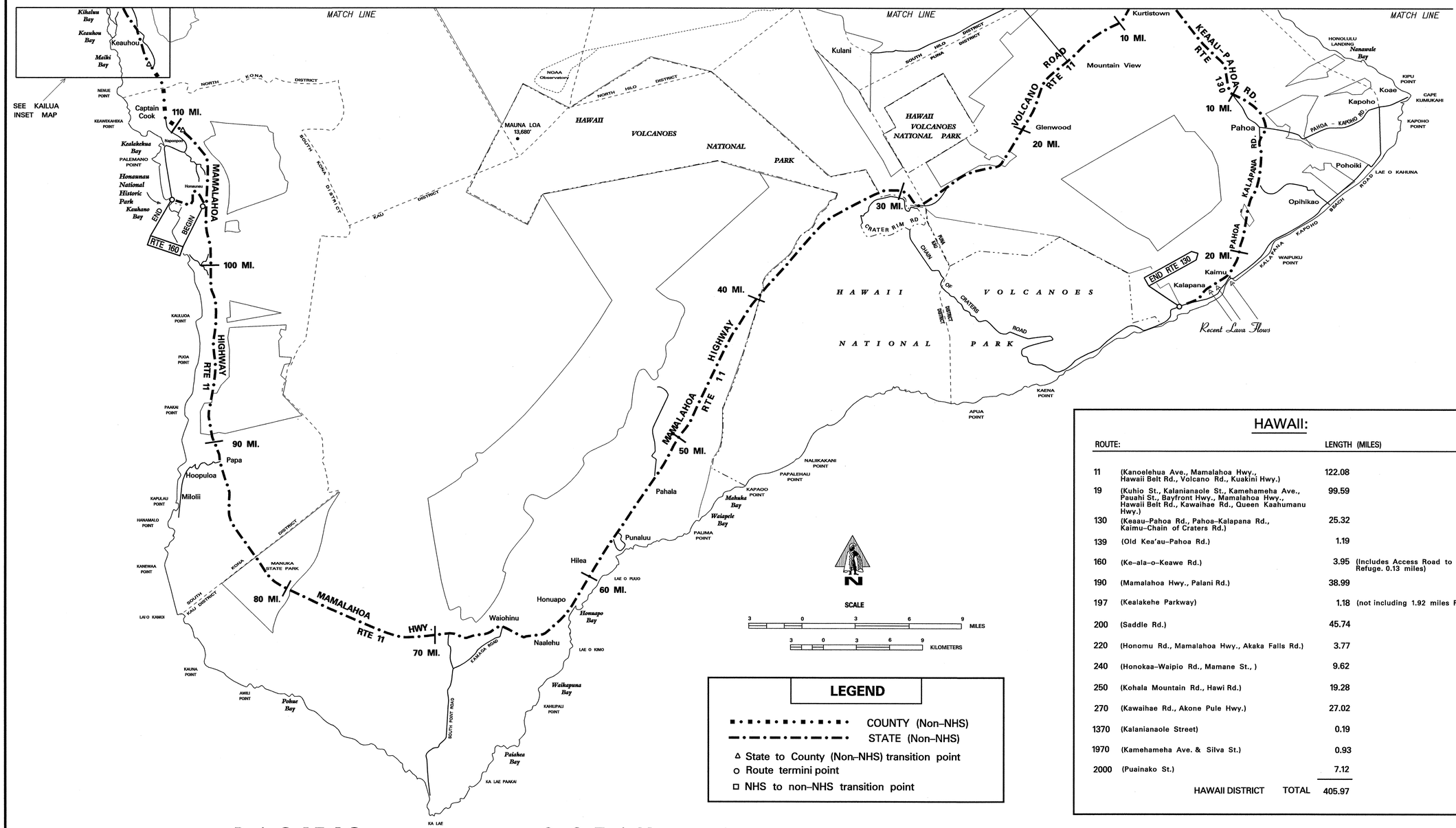
COUNTY OF HAWAII

ISLAND OF HAWAII

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 2005



LEGEND

- COUNTY (Non–NHS)
- STATE (Non–NHS)
- △ State to County (Non–NHS) transition point
- ○ Route termini point
- □ NHS to non–NHS transition point

HAWAII:

ROUTE:		LENGTH (MILES)	
11	(Kanoelehua Ave., Mamalahoa Hwy., Hawaii Belt Rd., Volcano Rd., Kuakini Hwy.)	122.08	
19	(Kuhio St., Kalanianaole St., Kamehameha Ave., Pauahi St., Bayfront Hwy., Mamalahoa Hwy., Hawaii Belt Rd., Kawaihae Rd., Queen Kaahumanu Hwy.)	99.59	
130	(Keaau–Pahoa Rd., Pahoa–Kalapana Rd., Kaimu–Chain of Craters Rd.)	25.32	
139	(Old Kea'au–Pahoa Rd.)	1.19	
160	(Ke–ala–o–Keawe Rd.)	3.95	(Includes Access Road to City of Refuge. 0.13 miles)
190	(Mamalahoa Hwy., Palani Rd.)	38.99	
197	(Kealakehe Parkway)	1.18	(not including 1.92 miles Proposed)
200	(Saddle Rd.)	45.74	
220	(Honomu Rd., Mamalahoa Hwy., Akaka Falls Rd.)	3.77	
240	(Honokaa–Waipio Rd., Mamane St.,)	9.62	
250	(Kohala Mountain Rd., Hawi Rd.)	19.28	
270	(Kawaihae Rd., Akone Pule Hwy.)	27.02	
1370	(Kalanianaole Street)	0.19	
1970	(Kamehameha Ave. & Silva St.)	0.93	
2000	(Puainako St.)	7.12	
	HAWAII DISTRICT TOTAL	405.97	

Date Released
Dec 2002, JK
Revised
Feb 03 D.B.
May 04 D.B.

1

STATE ROUTE SYSTEM

COUNTY OF HAWAII

ISLAND OF HAWAII

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 2005

LEGEND

- STATE (NHS)
- STATE (Non–NHS)
- COUNTY (NHS)
- COUNTY (NON–NHS)
- WATER (NHS)
- PROPOSED

△▽ State to County NHS transition point
o Route termini point
□ NHS to non–NHS transition point

SCALE
3 0 3 6 9 MILES
3 0 3 6 9 KILOMETERS

N

PACIFIC OCEAN

Hawi
Mahukona
Kawaihae
Waimea
Waimea Kohala Airport
Waikoloa
Waikii
Honokaa
Pasuhau
Paauilo
Ookala
Laupahoehoe
Maulua Bay
Pepeekeo
Onomea
Papaikou
Hilo
Keaau
Kailua
Kailua Bay
Keahou Bay
Maihi Bay
Hapuna Beach State Park
Mauna Kea 13,796
Pohakuloa Military Training Area
Forest and Game Management Area

Umiwai Bay, Holana Bay, Keokea Bay, Mahukona Harbor Lapakahi State Park, Waimanu Bay, Waipio Bay, Kukuihaele, Kawaihae Bay, Waiakailio Bay, Kaunaala Bay, Hapuna Bay, Puako Bay, Mahaiwa Bay, Honokoape Bay, Anaehoomalu Bay, Keawaiki Bay, Kiholo Bay, Kohaiawa Bay, Mahaiula Bay, Honokohau Bay, Kailua Bay, Keahou Bay, Maihi Bay, Hilo Bay, Puhi Bay, Hakalau, Kaula Gulch

UPOLU POINT, ALANAIHI POINT, KAUHOLA POINT, AKOAKOA POINT, HAENA POINT, MALAE POINT, NOIO POINT, KEAHUOLU POINT, KAMOA POINT, KAIWI POINT, KUMUKEHU POINT, MAKOLEA POINT, KEAHOLE POINT, WAWAHIWAA POINT, NOKO POINT, WAILOLOA POINT, NAHIWA POINT, LAUPAHOEHOE POINT, PELEULI POINT, LEHUAWEHI POINT, PEPEEKEO POINT, HOKIO POINT, LELEIWI POINT, KINGS LANDING, KALOLI POINT

Mahukona Harbor Lapakahi State Park
Keahole Airport
Kailua Airport
Upolu Airport

Hawi 20 MI. 270 — Honomakau — Halaula — Niulii — Pololu Valley
RTE 250 — END RTE 250 — KOHALA MOUNTAIN ROAD RTE 250 — 10 MI.
END RTE 270
RTE 270 — AKONI PULE HIGHWAY — 10 MI.
BEG RTE 270 — Kawaihae — KAWAIHAE ROAD — 60 MI.
PROPOSED ROAD ROUTE 19 — 70 MI.
BEG RTE 250
BEG RTE 240 — END RTE 240 — HONOKAA–WAIPIO ROAD RTE 240 — Honokaa — Pasuhau — 40 MI. — Paauilo — 30 MI.
HAWAII BELT RD. RTE 19 — 50 MI.
MUD LANE
BEG RTE 190 — MAMALAHOA HWY 190 — END RTE 200 — SADDLE RTE ROAD 200 — 40 MI. Waikii
PROPOSED ROUTE 19 — 10 MI.
KAAHUMANU HIGHWAY RTE 19 — 80 MI.
QUEEN RTE 19 — 90 MI.
HAWAII BELT ROAD RTE 190 — 20 MI. — 30 MI.
SADDLE ROAD 200 — 30 MI.
PROPOSED ROAD RTE 200 — SADDLE RTE 200 — 20 MI. — RTE 200 — 10 MI.
BEG RTE 200 — RTE 200
RTE 220 BEGIN — RTE 220 END — 10 MI.
BEG RTE 130 — BEG RTE 139
RTE 11 — 120 MI.
RTE 197 — QUEEN KAAHUMANU HWY RTE 19 — OLD MAMALAHOA HIGHWAY — PALANI RD — HUALALAI RD — QUEEN K. EXTENSION — KUAKINI HIGHWAY — ALII DR — END RTE 19 — END RTE 11 — END RTE 180 — BEG RTE 180

SEE KAILUA INSET MAP
SEE HILO URBAN AREA MAP ON NEXT SHEET

MATCH LINE — MATCH LINE — MATCH LINE

KAILUA INSET
SCALE 1 0 1 MILES

Date Released	
Dec 2002	JK
Revised	
Feb 03	DB
May 04	DB

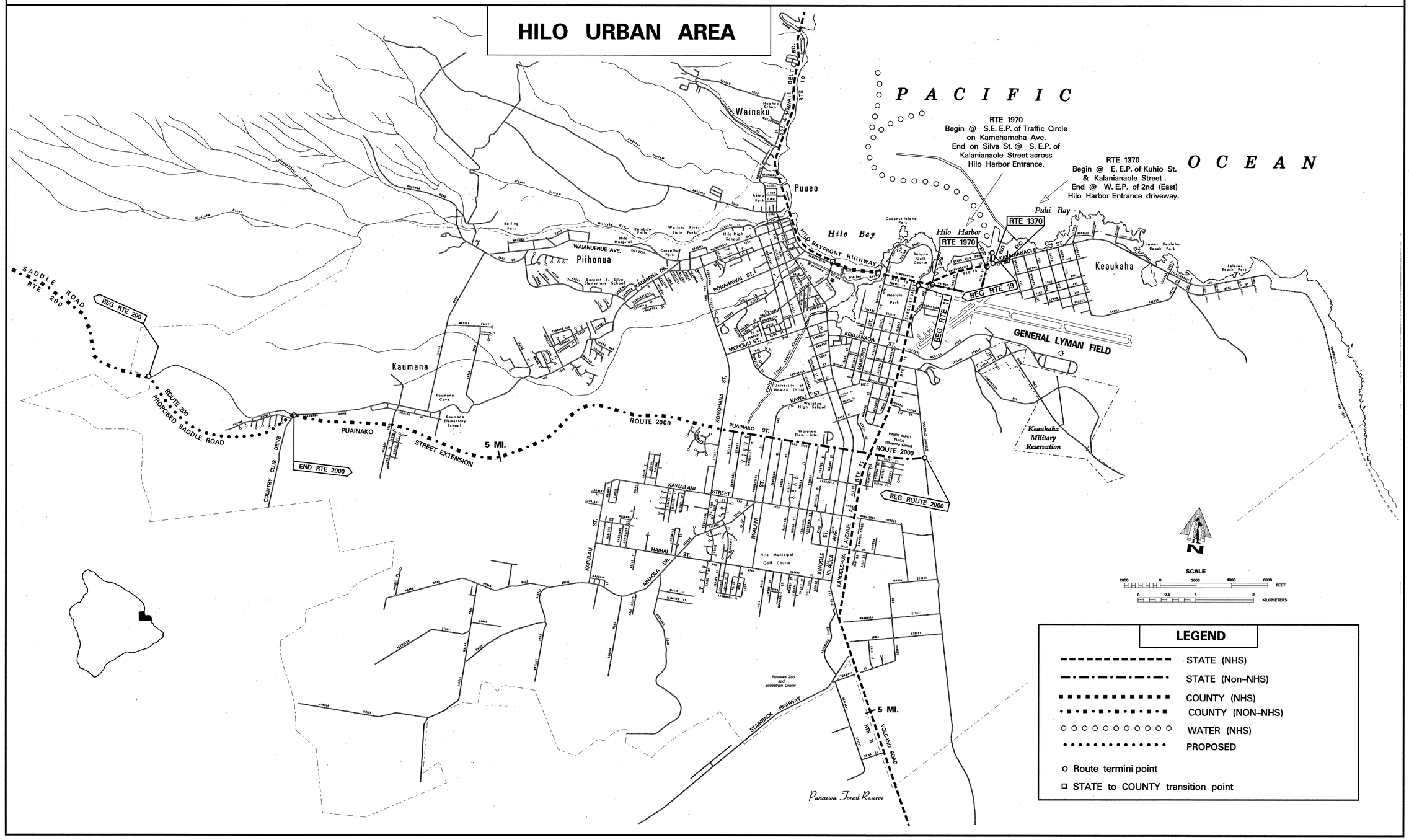
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STATE ROUTE SYSTEM

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 2005

HILO URBAN AREA



LEGEND

- STATE (NHS)
- STATE (Non–NHS)
- COUNTY (NHS)
- COUNTY (NON–NHS)
- WATER (NHS)
- PROPOSED
- Route termini point
- STATE to COUNTY transition point

Date Released	
Dec 2002, JK	
Revised	
Feb 03	D.B.
May 04	D.B.

3

ROAD INVENTORY

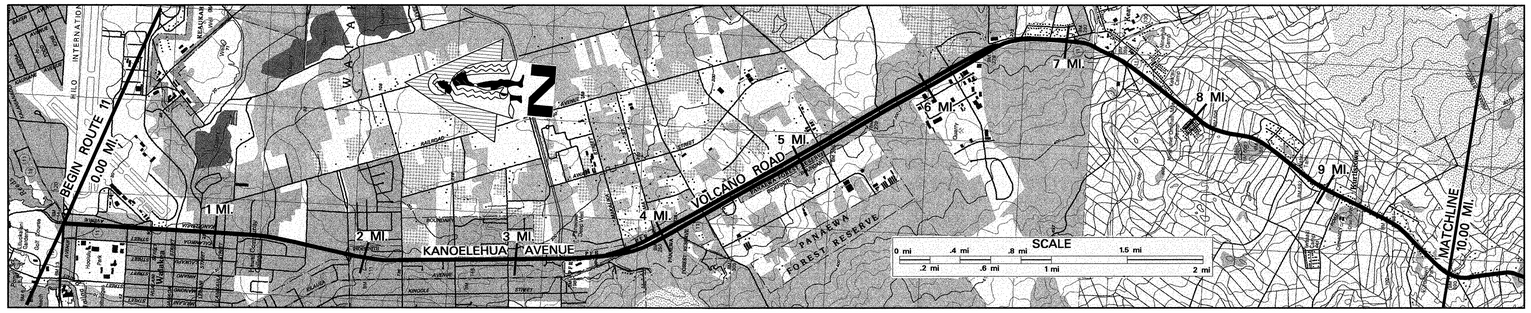
HAWAII RTE. 11
VOLCANO ROAD – KANOELEHUA AVE.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Designated Route Length: 122.09 MILES (a+b)
a. Existing Length: 122.09 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 122.09 MILES (a+b, less c)
a. Existing Length: 122.09 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: NONE MILES (–)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description
11P (1.08 MI) | END 11N – BEGIN 11P ON KANOELEHUA AVENUE 100' SOUTH OF CENTERLINE WITH LANIKAULA STREET | 11N (6.24 MI) | END 11M – BEGIN 11N ON MAMALAHOA HWY. 100' SOUTH OF CENTERLINE WITH KEAAU-PAHOA ROAD. | 11M (9.12 MI.)

ADT Sections; ADT; Traffic Count and Truck Weight Stations
11 01 (0.58 MI) | 11 02 (0.48 MI) | 11 03 (0.83 MI) | 11 04 (1.87 MI) | 11 05 (3.55 MI.) | 11 06 (2.40 MI.) | 11 07 (0.00 MI.)

Structure Carrying Road
Bridges (Over 20'): Length, Type, Capacity and Year Constructed: TEE BEAM 1950 HS-20 | CONCRETE FRAME 1986 HS-20-44
Vertical Clearance: 108' | 18'
Horizontal Clearance: 28' | 92'

Structure Over Road
Vertical Clearance
Horizontal Clearance

Right of Way Width (min.–max.) if varies: 125' | 125' – 150' | 125' | 125' – 185' | 80'
Available Right of Way Width (Needs Study): COMMERCIAL | RESIDENTIAL AREA | TREES, BRUSH | RESIDENTIAL AREA, TREES
Right of Way Fence: Type – Right and Left: (6' CHAINLINK 15'–25' FROM PAV'T) | CHAINLINK 8' FROM PAV'T
Control of Access: 1–None, 2–Partial, 3–Full: PARTIAL | NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): C to S Phase I | STATE | (STP-011-2(29), RESURFACE, 1996)
Project No., Type of Construction, and Year Constructed: (HES-STP-011-2(20) 1999 IMPROVEMENTS) | NH–011–2(33) 1999 RESURFACE | F–011–2(17) WIDENING | 11MN–01–93M RESURFACE
Project No., Type of Construction, and Year Constructed: (2000E–01–00, IMPRV., 2004) | NH–011–2(24) 1999 WIDENING | 11NP–01–80M 1980 RESURFACE | 11N–01–91M 1992 RESURFACE 8 LANES | 1987 | 1993 | 2005

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

BEGIN ROUTE 11 ON KANOELEHUA AVENUE AT THE SOUTH EDGE OF PAVEMENT WITH KAMEHAMEHA AVENUE (ROUTE 19)

KUAWA ST. | PIILANI ST. | HUALANI ST. | AIRPORT RD. | LEILANI ST. | E. LANIKAULA ST. | KAWILI ST. | HALEKAULILA ST. | POHAKU ST. | MAKAALA ST. | PUAINAKO ST. (RTE 2000) | PAVED ROAD | E. KAHAOPEA ST. | KAWAILANI ST. | AHONA PL. | E. PALAI ST. | PANAEWA BR. | WAIANUHEA PL. (L) | KILAUEA AVE. (ACCESS) | KILAUEA AVE. MAKALIKA ST. | LAMA ST. | STAINBACK HWY. | BEGIN MEASURED MILE | E. MAMAKI ST. | COUNTY DETENTION CTR. | IKAIKA ST. END MEASURED MILE | PUNA-SOUTH HILO DIST. BDRY. SIGN | MACADAMIA DR. | E. KIPIMANA ST. | KEAAU-PAHOA RD (RTE 130) | ACC. FROM MAMALAHOA HWY. | KEAAU-PAHOA ROAD (RTE 139) U.P. | ACC. FROM VOLCANO RD. | PAVED ROAD | PAVED ROAD | PAVED ROAD | PA'AHANA ST. | AKAKAMAI ROAD END DIVIDED | BEGIN DIVIDED | PUKO ROAD | MEAULU ST. | END DIVIDED | KUAAINA ROAD | PAVED ROAD SOUTH ROAD | BEGIN DIVIDED | OLA'A ROAD | ACCESS ROAD | HUINA ROAD | END DIVIDED

KANOELEHUA AVE. | VOLCANO ROAD

CONTINUES ON SHEET #2

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided
Shoulder: Width and Type (COMBINATION BIKELANE & SHOULDER FROM 0.00 MI.– 6.70 MI.): 10' AC B.L./SHLDR. | 9'–11' AC BIKELANE/SHOULDER | 9'–11' AC
Pavement: Width and Type: 12' AC | 24' AC | 36' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC
Shoulder: Width and Type: 2'–4' AC | 0'–2' AC | 2'–4' AC | 0'–2' AC | 2'–4' AC | 0' | 8'–10' AC | 0' | 8'–10' AC | 0' | 8'–10' AC
Median: Width and Type: GRASS MEDIAN varies to 26' | 36'–60' TREES AND BUSHES | 0'–20' AC | 18' GRASS | 0'–18' PAINT | 0–6' PAINT | 0–10' PAINT
Median Barriers: (M/M GUARDRAIL)
Shoulder: Width and Type: 0'–2' AC | 0' | 0' | 0'
Pavement: Width and Type: 33' AC | 24' AC | 12' AC | 12' AC | 12' AC
Shoulder: Width and Type (COMBINATION BIKELANE & SHOULDER FROM 0.00 MI.– 2.60 MI.): 4' AC BIKE LANE | 8'–30' B.L./SHLDR. | 8'–10' AC | 6'–8' AC | 10'–12' AC | 8'–10' AC | 10' AC

Number of Traffic Lanes: 1 – 12' | 2 – 12' | 3 – 11' | 4 – 12' | 3 – 12' | 2 – 12' | 1 – 12' | 2 – 12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) ALL T. L. 12': 2-11' (L) T.Ls. | 12' CURB
(Right Side) ALL T. L. 12'
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left): 5' CONCRETE SIDEWALK
Curb and/or Gutter: Type (Right and Left): CURB & GUTTER | 2.5' 2 DOWNGRADE CURB AND GUTTER | 12 CURB | 9.65 AC CURB
Protective Devices: Type, Location and Number ALL METAL RAILS ON METAL POSTS
Illumination: Type, Location and Number: 33 M.V. | 12 LPS (Low 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: URBAN | RURAL
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: FLAT | ROLLING
Speed: 1–Design, 2–Posted: 35 MPH (2) | 45 MPH (2) | 55 MPH (2) | 55 MPH (2), MIN. 40 MPH | 45 MPH (2) | 35 MPH (2) | 45 MPH (2), MIN 30 MPH | 45 MPH (2), MIN 30 MPH
Intersection Control Devices: Type, Location and Cycle Timing ALL 4 PHASE UNLESS NOTED: 4 PHASE | 4 PHASE
Sight Distance: Minimum Passing PSD–
Minimum Stopping SSD–
Pavement Striping: No Passing Zones
Capacity: Service Volume–E
DOD Sections
Census Tracts
Functional Classification: PRINCIPAL ARTERIAL | MINOR ARTERIAL
National Highway System (NHS): N H S
Previous Projects: Project No., Date and Limits: NH–011–2(24) 1999 WIDENING | NH–011–2(33), RESURFACE 1999 | 11NP–01–80M 1980 RESURFACE | 11MN–01–77M 1977 RESURFACE | F–04–2(9) INBOUND 1962 | 11MN–01–81M 1981 RESURFACE | F–2(4) WDR 11(2), 1950 | (11M–01–82M (R) 1982) | F–RF–011–2(13) 1977 | F–011–2(9) INBOUND 1961 | 11M–01–71 1971 | 11P–01–70 1971 | F–2(3) 1949 | F–011 OUTBOUND | F–011–2(2) 1960 | F–2(4) 1948
HPMS: 0.83 MI. | 0.71 MI. | 1.03 MI. | 1.30 MI. | 0.99 MI. | 0.46 MI. | 0.02 MI.

SCALE: (In Miles) 2" = 1 mile

Date Released	
Dec 2004	GN
Revised	
5/06	G.N.

ROAD INVENTORY

OAHU RTE 11
VOLCANO ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

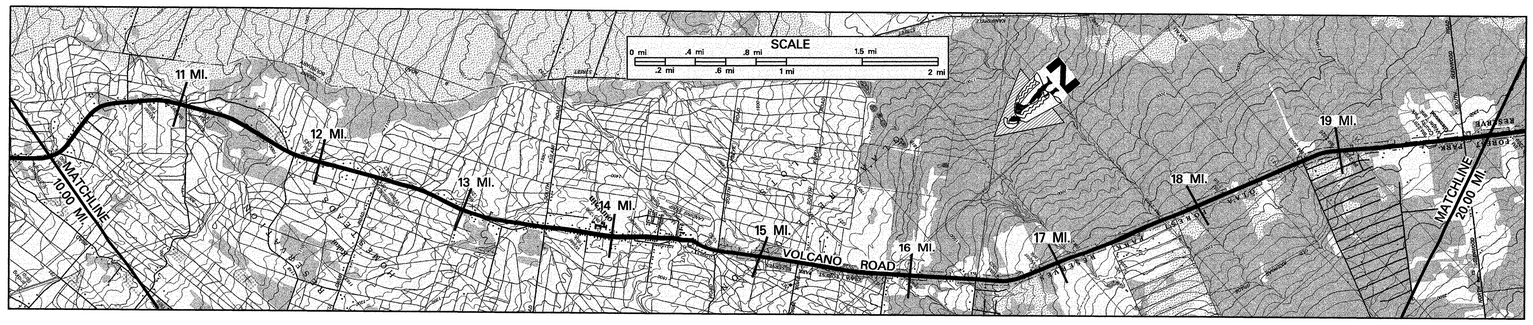
Total Route Length: 122.09 miles

a. Survey Length: 122.09 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Maintenance Control Sections : Length and Description

11 M (9.12 MI.) | END 11 L, BEGIN 11 M ON VOLCANO ROAD 50' NORTH OF CENTERLINE OSHIRO ROAD. | 11 L (12.00 MI.)

ADT Sections; ADT; Traffic Count and Truck Weight Stations

11 07 (5.00 MI.) | 14.77 | 11 08 (11.69 MI.)

Structure Carrying Road

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

CULVERT, 1966, HS–20

42' | 55' | 43'

18.39 | 18.48 | 19.24

Vertical Clearance

44' | 44' | 44'

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

80' | 12.58 | 80'–144' | 14.48 | 80'–125' | 18.77 | 90'–110'

Available Right of Way Width (Needs Study)

WIRE 12' F.P. 11.31 11.43 11.58 11.72 S.W. 15' F.P. 11.95 11.09 C.L. 10' F.P. 10.76 10.84 C.L. 10' F.P.

12.39 C.L. 20' F.P. 12.40 12.27 C.L. WIRE 10' F.P.

RESIDENTIAL AREA, TREES | LARGE TREES & BRUSH

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–011–2(29), RESURFACE, 1996 | 15.77 | IM–02–02M 2003 | 14.17 | STP–011–2(29), RESURFACE, 1996 | 18.58 | 11L–01–91M, RESURFACE, 1993

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #1

PAVED ROAD HALE PULE LP. 10.06 MI. 10.01 MI.
HALEKUA ROAD HAVELU ROAD 10.35 MI. 10.34 MI.
END DIVIDED KUALANI RIDE BEGIN DIVIDED KUALANI RIDE LP. 10.73 MI. 10.68 MI. 10.58 MI. 10.56 MI.
ALA LP. N. ALA RD. 11.04 MI. 11.00 MI.
KUALONO PLACE 11.27 MI.
ROAD ALA LP. 11.82 MI. 11.78 MI.
AHUHU PL. 12.01 MI.
KUKUI CAMP RD. 12.19 MI.
ENOS ROAD 12.40 MI.
PAVED ROAD POWER SUBSTATION 13.15 MI. 13.13 MI. 13.02 MI. 12.99 MI.
PAVED RD. 13.45 MI.
S. KULANI RD. N. KULANI RD. 13.56 MI.
ROADS TO MT. VIEW SCHOOL 13.85 MI.
S. LAUKO RD. N. LAUKO RD. 14.01 MI. 13.97 MI.
ROAD PAVED RD. OLD VOLCANO ROAD 14.13 MI.
CULVERT N. PSZYK RD. S. PSZYK RD. 14.51 MI. 14.43 MI. 14.39 MI.
CANNEY RD. SOUTH KOPUA NORTH KOPUA RD. ROAD CULVERT 14.73 MI. 14.72 MI.
N. PECK RD. 14.85 MI.
OSHIRO RD. 15.01 MI.
GLENWOOD CITY & COUNTY TRANSFER STA. 15.41 MI. 15.29 MI. 15.26 MI.
MAUNAKEA RD. 15.56 MI. 15.52 MI.
ALOHA ESTATES 15.85 MI.
TRIPLE PIPE CULVERT DOUBLE PIPE CULVERT 16.01 MI.
LEHUANANI ST. 16.45 MI.
DOUBLE PIPE CULVERT 16.92 MI.
CULVERT DOUBLE PIPE CULVERT 17.02 MI.
GLENWOOD PARK CEMETERY STA. 0+00 17.40 MI.
S. GLENWOOD RD. N. GLENWOOD RD. 17.85 MI. 18.01 MI.

VOLCANO ROAD

CONTINUED ON SHEET #3

SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Divided Highway – Undivided

Shoulder: Width and Type: 8'–10' AC | 13.76 | 10'–12' AC B. L. / SHLDR. | 14.42 | 8'–10' AC

Pavement: Width and Type: 24' AC | 10.56 | 0 AC | 10.73 | 24' AC

Shoulder: Width and Type: 8'–10' AC | 0 | 8'–10' AC | 13.76 | 10'–12' AC B. L. / SHLDR. | 14.42 | 8'–10' AC

Median: Width and Type: (11' PAINTED AC)

Median Barriers:

Divided Highway

Shoulder: Width and Type: 0

Pavement: Width and Type: 10.56 AC | 10.73

Shoulder: Width and Type: (8'–10' AC)

Number of Traffic Lanes: 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 1–11' (L) T.L. 10.56 | 10.73

(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): 10.26 10.38 AC CURB | 12.76 AC CURB 13.08 13.32 13.14 M/M | 13.85 14.03 M/M | 14.32 14.56 M/M | 14.64 14.71 M/M | 14.82 14.97 14.88 M/M | 15.34 15.40 M/M | 15.52 15.62 15.58 M/M | 15.80 15.92 15.78 M/M | 16.27 16.33 M/M | 17.36 17.66 M/M | 17.74 17.76 M/M | 18.27 18.32 M/M | 18.81 18.91 M/M

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number: FROM 6.71 MI. 33 MV 10.06 | 11.30 LOW PRESSURE SODIUM | 13.20 13.36 LOW PRESSURE SODIUM | 13.95 13.98 | 11 MV | 15.91 15.88

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

Speed: 1–Design, 2–Posted: 45 MPH (2), MINIMUM 30 MPH | 11.05 11.08 | 55 MPH (2) MINIMUM 40 MPH | 13.40 | 45 MPH (2) | 14.69 14.60 | 55 MPH (2), MINIMUM 40 MPH

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

(F–2(4) WOR 11(2) 1950) 10.05

STP–011–2(29), RESURFACE, 1996
11M–01–82M (RESURFACE), 1982
16.53
16.44

11M–01–71, 1971 | 14.13 | F–0112(5), 1970 | 16.53 | F–011–2(5), 1970 | 19.85 | (S–0144(1), 1958)

F–2(4) 1948 | 14.92 | F–2(6), 1951 | 16.48 | F–011–2(5), 1967

HPMS

SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

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

ROAD INVENTORY

HAWAII RTE 11
VOLCANO RD., MAMALAHOA HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

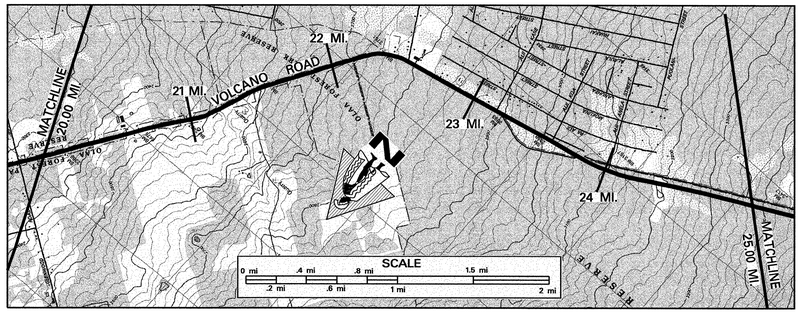
Total Route Length: 122.09 miles

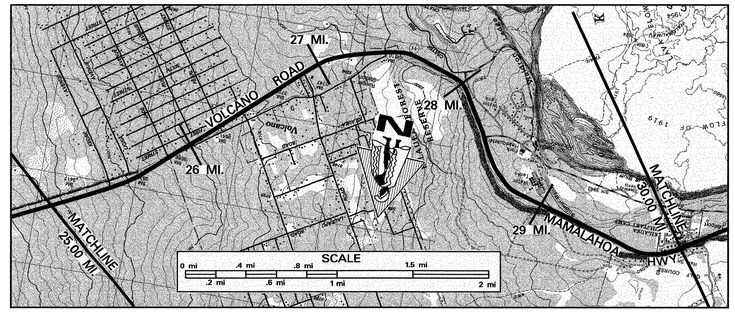
a. Survey Length: 122.09 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*





SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

ADT Sections; ADT; Traffic Count and Truck Weight Stations

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

Structure Carrying Road — Vertical Clearance

Structure Carrying Road — Horizontal Clearance

Structure Elevation Over Road — Vertical Clearance

Structure Elevation 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

20 21 22 23 24 25 26 27 28 29 30

11L (12.00 MI.) | END 11K – BEGIN 11L ON MAMALAHOA HWY AT THE CENTERLINE OF VOLCANO NATIONAL PARK ROAD. 28.44 | 11K (2.62 MI.)

11 08 (11.69 MI.) 26.40 | 11 09 (2.00 MI.) 28.40 | 11 10 (2.31 MI.)

90'–110' 20.60 | 80' 23.64 | 50' 26.65 | 80'

LARGE TREES & BRUSH

NONE

STATE

(S–0144 (1), 1958) 23.57 21.89

11L–01–91M, (R), 1993 | 11L–01–92, (R), 1993 | (F–011–2(11), 1974) 23.88 23.53 | STP–011–2(26), RESURFACE, 1996 28.35 | 11HKL–01–97M, 1998, (R) 28.55 | 11JK–01–90, (R), 1991

20.00 MI. CONTINUED FROM SHEET #2

CULVERT; CULVERT; PAVED RD.; KAHAUALEA ROAD (NEW HOPE); ALII KANE ST.; ALI'I KOA ST. SPEED STATION (LOOP); CONNECTOR TO VOLCANO RD.; ALI'I ANELA ST.; ROAD TO VOLCANO SOLID WASTE DUMP; NAHELENANI ST.; JADE AVE; PEARL AVE; LANIHULI RD.; HAUNANI RD. HALE OHA RD.; DISTRICT OF KAU (R) DISTRICT OF PUNA (L); HAWAII VOLCANOES NATIONAL PARK BDRY. OLD VOLCANO RD.; BEGIN DIV. HWY; END DIV. HWY VOLCANO NAT'L PARK RD.; ROAD (L); BEGIN FAULT ZONE

VOLCANO ROAD — WRIGHT RD. — MAMALAHOA HIGHWAY

20.02 MI. 20.54 MI. 20.70 MI. 21.01 MI. 21.52 MI. 22.02 MI. 22.38 MI. 22.54 MI. 23.03 MI. 23.20 MI. 23.61 MI. 23.52 MI. 23.82 MI. 24.03 MI. 24.37 MI. 25.04 MI. 25.43 MI. 25.86 MI. 26.04 MI. 26.26 MI. 26.43 MI. 26.87 MI. 26.92 MI. 27.05 MI. 27.34 MI. 27.49 MI. 27.56 MI. 28.04 MI. 28.26 MI. 28.44 MI. 28.60 MI. 28.92 MI. 29.05 MI. 29.13 MI.

CONTINUED ON SHEET #4. 30 MI.

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided — Shoulder: Width and Type: 7'–9' AC | 4'–6' AC 27.59 | 2'–4' AC 29.07

Pavement: Width and Type: 24' AC | 12' AC | 24' AC

Shoulder: Width and Type: 8'–10' AC | 2'–4' AC 27.57 | 0 | 9' AC 28.31 | 2'–4' AC

Median: Width and Type: 12' PAINTED MEDIAN 28.29 28.60

Median Barriers:

Shoulder: Width and Type: 0

Pavement: Width and Type: 12' AC

Shoulder: Width and Type: 9' AC

Number of Traffic Lanes: 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) 28.25 28.40 28.56

(Right Side) 28.25 28.40 28.56

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: 28.39 M/M METAL RAILS ON CONCRETE POSTS

Illumination: Type, Location and Number: LOW PRESSURE SODIUM 22.92; LOW PRESSURE SODIUM 23.18; LOW PRESSURE SODIUM 25.28; 2 LOW PRESSURE SODIUM 28.21; 28.39 M/M; 28.46 28.53 M/M; 28.57 M/M; 29.10; 29.26 29.39

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 | 23.88 | FLAT | 26.87 | ROLLING

Speed: 1–Design, 2–Posted: 55 MPH (2), MINIMUM 40 MPH

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts: CT 210 27.56 CT 212

Functional Classification: MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

S–0144(1), 1958 | F–011–2(5), 1967 20.60 | 21.21 | 21.26 | 11L–01–76M, (R), 1977 | S–0144(1), 1956 | 23.53 | 23.58 STA. 313 + 70.08 | STA. 213 + 03.49 | F–011–2(11), 1974 | F–011–2(11), 1973 | 27.51 | S–0144(2), 1981 28.06 | (11JK–01–84M, 1985, RESURFACE) | (FLH–011–2(18), (INT. IMPRV.), 1987)–28.18 | 28.67 | 29.27 | 29.36 | 29.96 | 11KL–01–78M & PMS–0100(11) UNIT 1, RESURFACE, 1978 | NPH–3A, 1962 | 28.56 | NPH–5A | 29.98 | (NPH–3A, 1962) | STA. 102 + 79.45 | STA. 184 + 39.90 | STA. 157 + 90 | STA. 132 + 20

HPMS: 20.00 | 3.01 MI. | 23.01 | 26.00 | 0.40 MI. | 26.80 | 0.73 MI. | 27.53 | 28.31 | 1.47 MI. | 29.98 | (0.73 MI.)

SCALE: (In Miles) 2" = 1 mile

20 21 22 23 24 25 26 27 28 29 30

Road Diagram

* MP = Milepost Signage

Date Released
JUNE 05, D.B.
Revised

ROAD INVENTORY

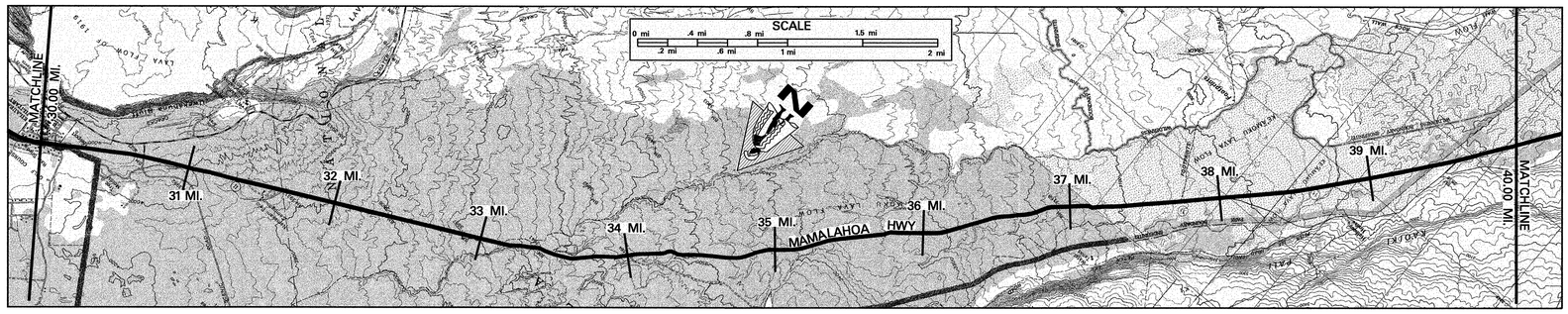
HAWAII RTE 11
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Route Length: 122.09 miles
a. Survey Length: 122.09 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40

Maintenance Control Sections : Length and Description		11 K (2.62 MI.) 30.58 – 31.00 END 11J BEGIN 11K ON MAMALAHOA HWY 1674' SOUTH OF CENTERLINE CRATER RIM RD./ BIRD PARK RD. AT THE CONTOL SECTION MARKER; 11J (8.45 MI.); END 11H – BEGIN 11J ON MAMALAHOA HWY 63' SOUTH OF HAWAII NATIONAL PARK BDRY. AT THE CONTROL SECTION MARKER 39.48; 11 H (11.86 MI.)
ADT Sections; ADT; Traffic Count and Truck Weight Stations		11 10 (2.31 MI.) 30.71; 11 11 (25.78 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		80' 38.14 100' 38.34 80'
Available Right of Way Width (Needs Study)		LARGE TREES AND BRUSH 32.97; BUSHES & TREES IN LAVA ROCK
Right of Way Fence: Type – Right and Left		(WIRE ON WOOD 15' FROM PAVEMENT L&R) 38.26
Control of Access: 1–None, 2–Partial, 3–Full		NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)		STATE
Project No., Type of Construction, and Year Constructed		(STP–0100(31), 1994, G.R. IMPRV.) 38.74 – 38.90
Project No., Type of Construction, and Year Constructed		11JK–01–90M, (R), 1991 30.58; FLH–011–2(27), RESURFACE, 1998 33.35; STP–011–2(28), RESURFACE, 1995 37.07; 11JK–01–90M, (R), 1991 38.74; (11H–01–80M, (R), 1980)

Road Diagram

* MP = Milepost Signage

30.00 MI. CONTINUED FROM SHEET #3

KILAUEA MIL. CAMP 30.05 MI. 30.15 MI. PIT MAUNA DR.
CRATER RIM RD. 30.74 MI. MAUNA LOA RD.
END FAULT ZONE 30.95 MI. 31.03 MI.
NAMAKANI PAIO CAMPGROUND 31.44 MI.
PAVED ROAD 32.04 MI. 33.03 MI. 34.03 MI. 34.05 MI.
ECB TRAIL TO KAPUKAPUKA PRESERVE FOOT TRAIL TRAIL HEAD) 35.05 MI. 36.02 MI. 37.01 MI. 37.78 MI.
PAVED RD. 38.01 MI. 38.66 MI. 39.00 MI.
HAWAII VOLCANOES NAT'L PARK BDRY. 39.47 MI.
PAVED RD. 39.61 MI. 40.00 MI.
MAMALAHOA HIGHWAY

CONTINUED ON SHEET #5 40.00 MI.

SCALE: (In Miles) 2" = 1 mile

30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40

Divided Highway – Undivided	Shoulder: Width and Type	2'–4' AC 30.59; 6' AC; 2'–4' AC 37.11
	Pavement: Width and Type	24' AC 37.08; 22' AC 39.30; 24' AC
	Shoulder: Width and Type	2'–4' AC 30.59; 5'–7' AC; 3' AC 39.22; 8'–10' AC
	Median: Width and Type	
	Median Barriers:	
	Shoulder: Width and Type	
	Pavement: Width and Type	
	Shoulder: Width and Type	
Number of Traffic Lanes		2–12' 37.08; 2–11' 39.30; 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)		
Curb and/or Gutter: Type (Right and Left)		
Protective Devices: Type, Location and Number	ALL METAL RAILS ON METAL POSTS GUARDRAILS	31.61 31.78 31.92 32.02 32.15 32.25 32.41 32.49 32.61 32.69 32.74 32.84 33.10 33.24 33.50 33.57 34.58 34.64 34.85 34.87 34.92 34.94 35.12 35.27 38.74 38.84 38.78 38.91 31.12 31.20 31.30 33.06 33.26 35.11 35.22
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
Speed: 1–Design, 2–Posted		55 MPH (2), 40 MPH MIN. 30.71; 45 MPH (2), 30 MPH MINIMUM; 55 MPH (2), 40 MPH MINIMUM 37.13 – 37.26
Intersection Control Devices: Type, Location and Cycle Timing		
Sight Distance: Minimum Passing PSD–		
Minimum Stopping SSD–		
Pavement Striping: No Passing Zones		
Capacity: Service Volume–E		
DOD Sections		
Census Tracts		
Functional Classification		MINOR ARTERIAL
National Highway System (NHS)		
Previous Projects: Project No., Date and Limits		30.58 FLH–011–2(27), RESURFACE, 1998 33.35; STP–011–2(28), RESURFACE, 1995 37.07; 30.13–(11JK–01–84M, 1985, RESURFACE) 33.32; FLH–011–2(9), 1990 34.70 FLH–011–2(22), WIDENING, 1991 35.93 FLH–011–2(23) 1992 37.00; (11JK–01–84M, 1985, RESURFACE) 33.88 – 34.22 34.41 – 34.60 –(11JK–01–84M, 1985, RESURFACE); (11KL–01–78M & PMS–0100(11) UNIT 1, (R), 1978) 30.84 30.96; 11J–01–76M (R), 1976 35.16; STA. 557+00; 39.47 11H–01–80M, (R), 1980; NPH–3A, 1962 30.94; NP–3B, 1931 34.46; NP–3C, 1940 38.83; F–18(5), 1953; STA. 11+99 – STA. 780+35.41
HPMS		0.73 MI. 30.71; 0.32 MI. 31.02; 4.01 MI. 35.42; 1.00 MI. 36.44; 1.01 MI. 37.50; 37.78; 1.04 MI. 38.83; 39.48; 3.84 MI.

SCALE: (In Miles) 2" = 1 mile

Date Released
JUNE 05, D.B.
Revised

ROAD INVENTORY

OAHU RTE 11
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH
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FEDERAL HIGHWAY ADMINISTRATION

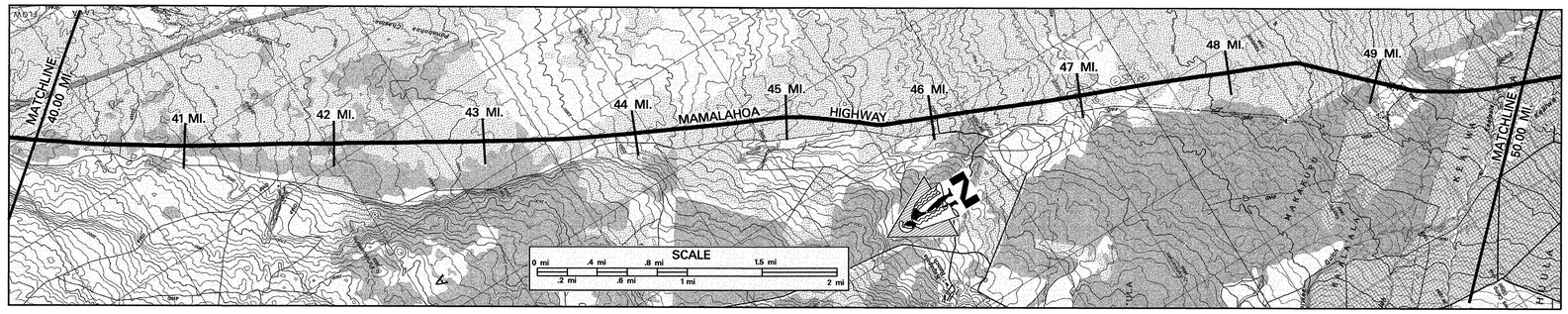
Total Route Length: 122.09 miles

a. Survey Length: 122.09 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

40 41 42 43 44 45 46 47 48 49 50

Maintenance Control Sections : Length and Description
11 H (11.86 MI.)

ADT Sections; ADT; Traffic Count and Truck Weight Stations
11 11 (25.78 MI.)

Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed
CONC. BOX CULVERT 1997 HS–20–44 — SLAB 1938, H–15
73' | 43' |

Structure Carrying Road — Vertical Clearance
49.46 | 49.77

Structure Carrying Road — Horizontal Clearance
34' | 24' |

Structure Beneath Road — Vertical Clearance

Structure Beneath Road — Horizontal Clearance

Right of Way Width (min.–max.) if varies
80' | 40.44 | 30' | 41.37 | 80' | 48.03 | 60'

Available Right of Way Width (Needs Study)
BUSHES AND TREES IN LAVA ROCK

Right of Way Fence: Type – Right and Left
WIRE ON WOOD 15' FROM PAVEMENT (L) & (R)
48.70 | 48.96

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
(11HKL–01–97M RESURFACE, 1998) (STP–011–2(25), IMPRV., 1997) 49.45 | 49.51 | 49.69

Project No., Type of Construction, and Year Constructed
11H–01–80M, RESURFACE, 1980 | 45.63 | 11HKL–01–97M, RESURFACE, 1998

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #4 — 40.00 MI.

MAMALAHOA HIGHWAY

PAVED RD. 40.58 MI. — 41 MP — 41.00 MI.
SPEED STATION 42.00 MI. — 42 MP — 42.20 MI.
PAVED RD. 42.77 MI. — 43 MP — 42.89 MI.
KAPAPALA RANCH RD. 43.88 MI. — 44 MP — 44.38 MI.
CULVERT 45.57 MI. — 46 MP — 46.02 MI.
PAVED RD. 46.81 MI. — 47 MP — 46.97 MI.
CULVERT 47.21 MI. — 47.48 MI.
CULVERT 47.69 MI. — 47.96 MI.
PAVED ROAD TO PLANTATION 48.96 MI. — 49 MP — 49.07 MI.
BRIDGE 49.20 MI.
SPEED MONITORING STA. PIKEA BR. 49.46 MI. — 49.52 MI.
CULVERT KAALAALA BR. 49.77 MI. — 49.87 MI. — 50 MP — 49.95 MI.

CONTINUED ON SHEET #6 — 50.00 MI.

SCALE: (In Miles) 2" = 1 mile

40 41 42 43 44 45 46 47 48 49 50

Divided Highway — Undivided — Shoulder: Width and Type
8' AC | 40.24 | 3' AC / 3' GRAVEL | 41.30 | 6' AC | 7'–9" AC | 41.54 | 3' AC / 3' GRAVEL | 43.60 | 7' AC | 44.28 | 3' AC / 3' GRAVEL | 45.54 | 4'–6" AC | 48.94 | 6'–8" AC

Divided Highway — Undivided — Pavement: Width and Type
24' AC | 45.69 | 45.80 | 22' AC

Divided Highway — Undivided — Shoulder: Width and Type
8'–10' AC | 40.84 | 3' AC / 3' GRAVEL | 43.09 | 8' AC | 43.89 | 3' AC/2' GRAVEL | 44.53 | 7' AC | 44.82 | 3' AC / 3' GRAVEL | 45.50 | 4'–5' AC | 48.87 | 5'–7' AC | 49.22 | 7'–9' AC | 49.52 | 5'–7' AC

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
2–12' | 45.69 | 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)
AC GUTTER — CONC. GUTTER

Protective Devices: Type, Location and Number
ALL METAL ON METAL

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
RURAL
ROLLING

Speed: 1–Design, 2–Posted
55 MPH (2) MINIMUM 40 MPH

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification
MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits
45.63 | 11HKL–01–97M, (RESURFACE), 1998
(11GH–01–82M, (RESURFACE), 1982) 49.51
(11GH–01–81, (SHOULDER STABILIZATION), 1981) 49.51 | 49.82
11H–01–80M, RESURFACE, 1980
48.25 | 11G–01–78, 1978, (SHOULDER STABILIZATION)
F–18(5), 1953 | 45.00 | WER 1(1), 1948 | 48.89 | FAP 18 B 1938

HPMS
3.84 MI. | 43.32 | 40.66 | 2.59 MI. | 48.25 | 49.77 | 0.41 MI.

SCALE: (In Miles) 2" = 1 mile

40 41 42 43 44 45 46 47 48 49 50

Date Released
June 2005, D.B.
Revised

ROAD INVENTORY

HAWAII RTE 11
MAMALAHOA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH
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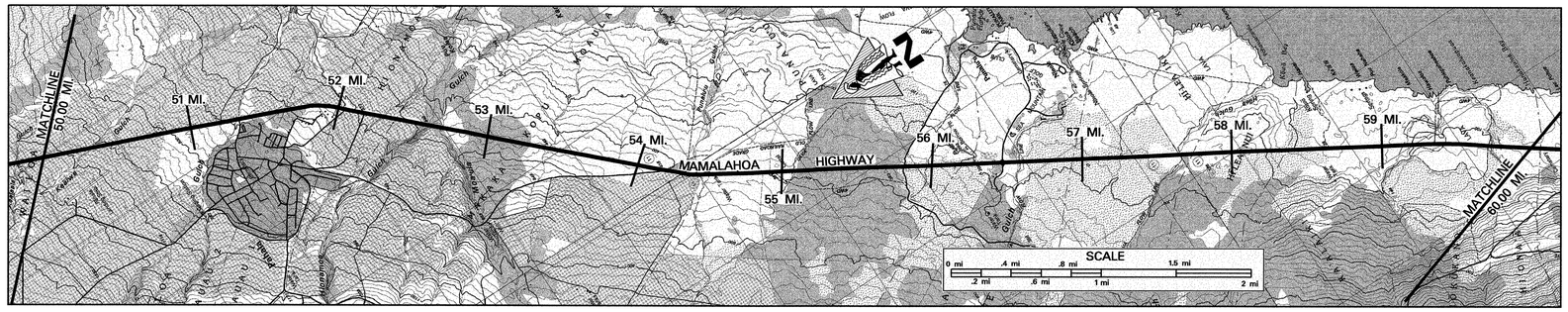
Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



Road Diagram

* MP = Milepost Signage

		SCALE: (In Miles) 2" = 1 mile
		Maintenance Control Sections : Length and Description
		ADT Sections; ADT; Traffic Count and Truck Weight Stations
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

50 51 52 53 54 55 56 57 58 59 60

11 H (11.86 MI.) | END 11G – BEGIN 11H ON MAMALAHOA HWY. AT THE CENTERLINE INTERSECTION WITH KAMANI ST. | 11G (9.20 MI.)

11 11 (25.78 MI.) | 11 12 (9.46 MI.)

PRECAST PLANK 2001, HL–93 | 234′ | 40′

PRE–STRESSED CONC. PLANKS 2003, HL–93 | 126′ | 40′

CONC. FRAME 1938, H–15 | 82′ | 70′ | 24′ | 24′

SLAB 1938, H–15 | 43′ | 24′

TEE–BEAM 1940, H–15 | 31′ | 24′

TIMBER STRINGER 1950, H–15 | 60′ | 24′

TIMBER STRINGER 1940, H–15 | 41′ | 24′

60′ | 60′ | 60′ | 60′–80′ | 60′

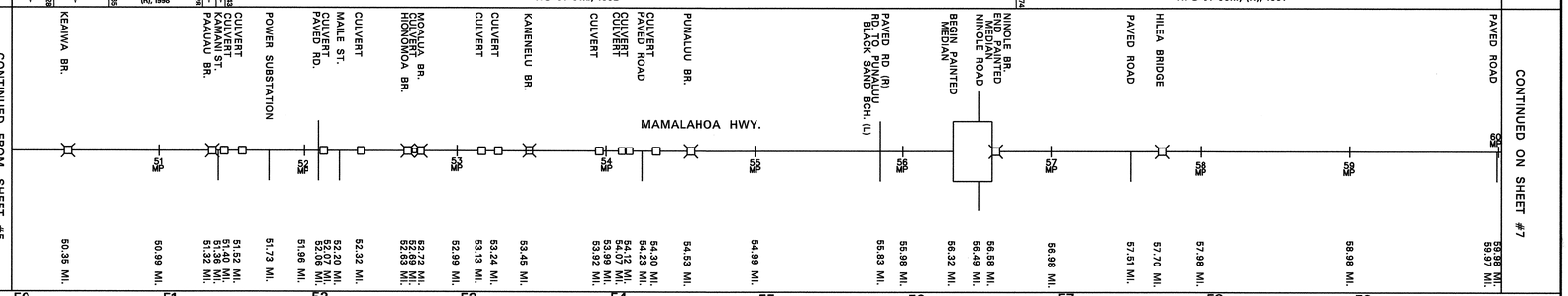
BUSHES AND TREES ON LAVA ROCK | BUSHES AND LARGE TREES ON LAVA ROCK CUT SLOPES

WIRE ON WOOD 15′ FROM PAVEMENT (L) & (R)

NONE

STATE

(ER–12(3), (BRIDGE REPLACEMENT), 2003)
(11HKL–01–97M, (R), 1998)
(ER–12(1), (BRIDGE REPLACEMENT), 2001)
(11GH–01–82M, (R), 1982)
11HKL–01–97M, (R), 1998
11G–01–91M, 1992
11FG–01–90M, (R), 1991



		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
		Sight Distance: Minimum Passing PSD–
		Minimum Stopping SSD–
		Pavement Striping: No Passing Zones
		Capacity: Service Volume–E
		DOD Sections
		Census Tracts
		Functional Classification
		National Highway System (NHS)
		Previous Projects: Project No., Date and Limits
		HPMS
		SCALE: (In Miles) 2" = 1 mile

50 51 52 53 54 55 56 57 58 59 60

4′–9′ AC | 4′–8′ GRASS | 4′ AC | 4′–6′ AC | (15′ AC) | 4′–6′ AC

(6′ GRAVEL) | (8′ GRAVEL) | 22′ AC | 20′ AC | 20′ AC

4′–9′ AC | 6′–15′ GRASS | (6′–16′ GRASS) | 4′ AC | 0 | 4′–6′ AC

12′ PAINTED MEDIAN

10′–18′ AC | 4′ AC

2–11′ | 2–10′ | 1–10′–18′ (L) & (R) | 2–10′

(CONC. GUTTER) | (AC GUTTER)

METAL ON METAL

RURAL

ROLLING

55 MPH (2) MINIMUM 40 MPH

11 HKL–01–97M, (RESURFACE), 1998
11GH–01–82M, (RESURFACE), 1982
11GH–01–82M, (R), 1982)
11GH–01–81, (SHLDR. STAB.), 1981
(11G–01–78, (SHLDR. STAB.), 1978)
FAP 18 B 1938
FAP 18C(1), 1940
FAP 18C(1), 1938

0.41 MI. | 0.62 MI. | 3.07 MI. | 3.29 MI. | (0.66 MI.)

Date Released	
Jan. 2006, D.B.	
Revised	

ROAD INVENTORY

HAWAII RTE 11
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH
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U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

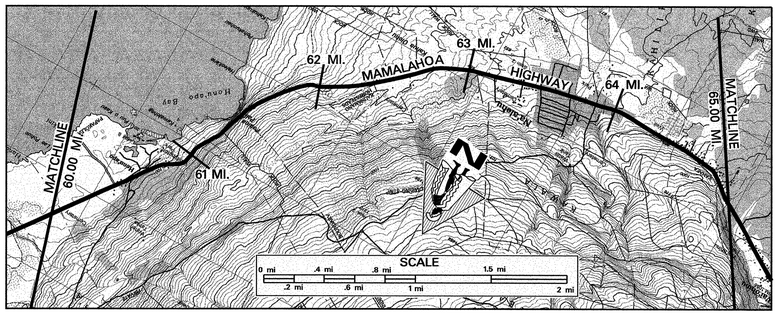
Total Route Length: 122.08 miles

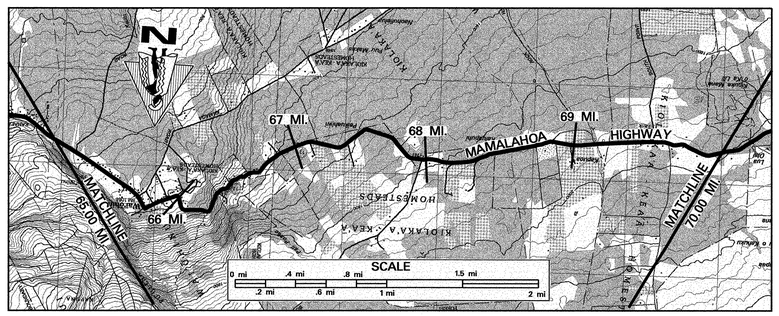
a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*





SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

ADT Sections; ADT; Traffic Count and Truck Weight Stations

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)

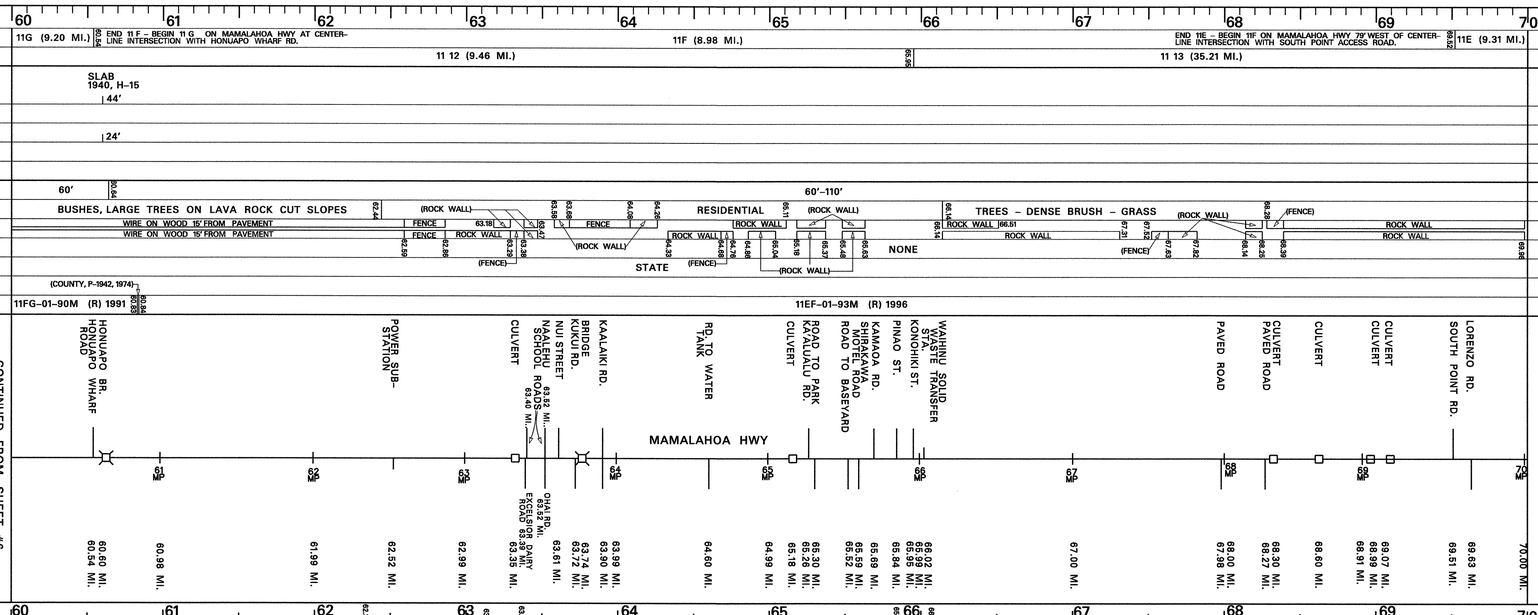
Right of Way Fence: Type – Right and Left

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



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

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

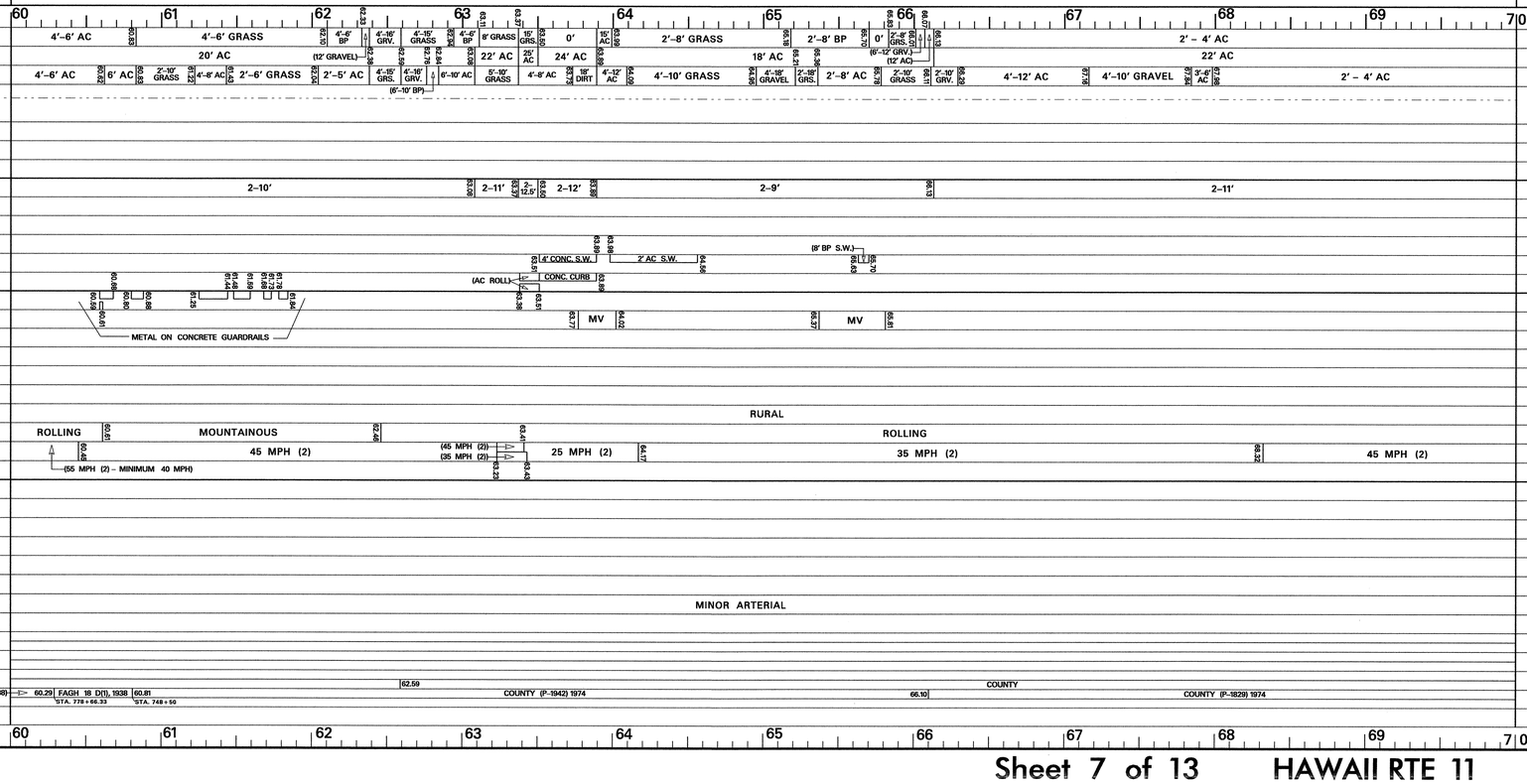
Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

HPMS



Date Released
Feb 2001

Revised	
5/06	G.N.

ROAD INVENTORY

HAWAII RTE 11
MAMALAHOA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

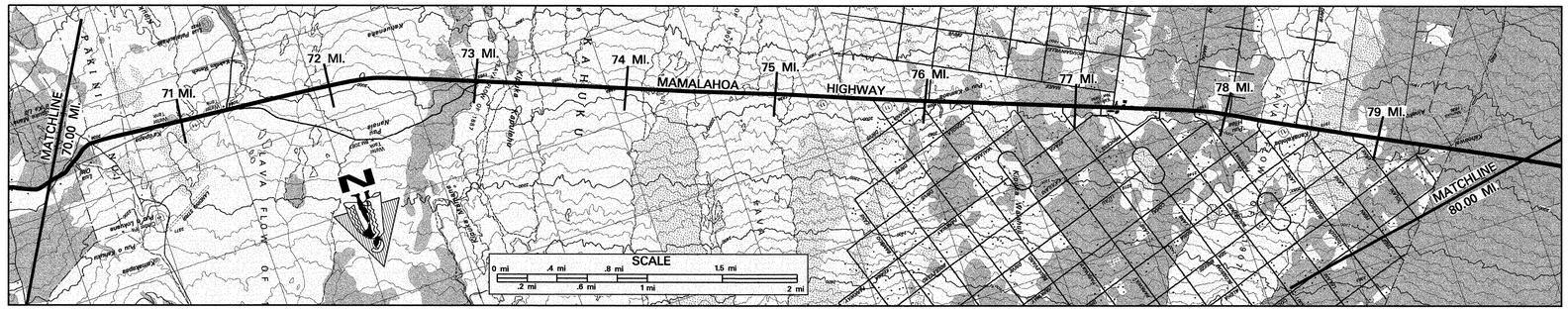
Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

70 71 72 73 74 75 76 77 78 79 80

Maintenance Control Sections : Length and Description
11E (9.31 MI.) | END 11D – BEGIN 11E ON MAMALAHOA HWY AT THE CENTERLINE OF IOLANI LANE. 78.88 | 11D (9.85 MI.)

ADT Sections; ADT; Traffic Count and Truck Weight Stations
11 13 (35.21 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
60'–110' | 72.9 | 100' | 73.39 | 90' | 75.54 | 60'–110' | 78.61 | 80' | 79.41 | 85' | 79.81 | 80' | 79.93 | 90' | 79.94 | (80') | C

Available Right of Way Width (Needs Study)
TREES – DENSE BRUSH – GRASS | 72.46 | TREES & BRUSH | 73.04 | 1000' CLEAR – LAVA ROCK 15' FROM EDGE OF PAVEMENT | 75.39 | 75.46 | TREES AND HEAVY BRUSH

Right of Way Fence: Type – Right and Left
ROCK WALL 70.34 – 72.07 | ROCK WALL 74.70 – 75.80 | ROCK WALL 75.86 – 77.44 | 77.76 – 77.99 (ROCK WALL)

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 837+00 – 72.96 | 11E-01-02M GUARDRAIL & SHOULDER IMPROVEMENT 2005 | 77.25 – STA 690+00

Project No., Type of Construction, and Year Constructed
11EF-01-93M, (R), 1996 | 72.46 | COUNTY (P-1957) 1977 | 73.23 | 11E-01-75, 1976 | 75.44 | 11EF-01-93M, (R), 1976 | 78.84 | 11D-01-79M, (RESURF.), 1979

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #7

KAHUKU RANCH RD. 70.00 MP | KAHUKU RANCH RD OLD HAWAII BELT RD 71 MP | ROAD 72 MP | ENTRANCES TO SCENIC LOOKOUT 73 MP | S POINT BAR & RESTAURANT TIKI LANE 74 MP | KOHALA BLVD. KING KAMEHAMEHA 75 MP | DONALA DR. 76 MP | ORCHID PARKWAY 77 MP | LEHUA LANE BEG DIVIDED | LOTUS BLOSSOM LN END DIVIDED PRINCE KUHIO DR 78 MP | HAWAII BLVD. | LEILANI PRKWY (R) LEILANI MAKAI (L) | KULA KAI BLVD. | GINGER BLOSSOM LN | ROAD (KONA GARDEN ESTATES) | KONA DRIVE 79 MP | IOLANI LANE | ALOHA BLVD. 80 MP

MAMALAHOA HWY

70.00 MI. | 70.22 MI. | 71.00 MI. | 71.32 MI. | 71.41 MI. | 72.01 MI. | 73.01 MI. | 73.03 MI. | 73.87 MI. | 74.85 MI. | 74.90 MI. | 75.56 MI. | 75.81 MI. | 76.00 MI. | 76.03 MI. | 76.33 MI. | 76.63 MI. | 76.84 MI. | 76.93 MI. | 77.10 MI. | 77.18 MI. | 77.27 MI. | 77.41 MI. | 77.58 MI. | 77.80 MI. | 77.83 MI. | 78.05 MI. | 78.24 MI. | 78.45 MI. | 78.65 MI. | 78.83 MI. | 78.89 MI. | 79.34 MI. | 79.83 MI.

CONTINUED ON SHEET #9

SCALE: (In Miles) 2" = 1 mile

70 71 72 73 74 75 76 77 78 79 80

Divided Highway – Undivided

- Shoulder: Width and Type — (0-8' GRAVEL) | 8' AC | 73.21 | 8'–10' AC | 6' BP
- Pavement: Width and Type — (22' AC) | 70.07 | 24' AC | 12' AC | 24' AC | 78.80 | 22' AC
- Shoulder: Width and Type — (2'–12' CINDER) | 8' AC | 73.21 | 8'–10' AC | 0 | 8'–10' AC | 6' BP
- Median: Width and Type — 12' PAINTED AC | 77.10 | 77.41
- Median Barriers:
- Shoulder: Width and Type — 0
- Pavement: Width and Type — 12' AC
- Shoulder: Width and Type — 10' AC

Number of Traffic Lanes — (2-11') | 70.07 | 2–12' | 78.90 | 2–11'

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

(Right Side) — 1-12' (L) T.L. | 77.18 | 77.27

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 STEEL ON STEEL

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative — -4.43 | 74.28 | 74.48 | 2.34 | 74.48 | 74.83 | -0.85 | 74.83 | 75.00 | +2.85 | 75.00 | 75.24 | -1.38 | 75.24 | 75.46

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
RURAL

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

Speed: 1–Design, 2–Posted — 45 MPH (2) | 70.52 | 55 MPH (2) / 45 MPH (2) | 74.42 | 55 MPH (2) | 79.04 | 55 MPH (2) (MINIMUM 40)

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification
MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

(COUNTY (P-1829) 1974) | 70.07 | COUNTY (P-1957) 1974 | 72.46 | 823+00 | 73.23 | COUNTY | 11E-01-75 1976 | 75.44 | 705+00 | 75.46 | COUNTY (P-2129) 1977 | COUNTY | 78.90 | 623+00 | 11D-01-79M (RESURF.) 1979 | BF-011-(3) 1959

HPMS

SCALE: (In Miles) 2" = 1 mile

70 71 72 73 74 75 76 77 78 79 80

Date Released
Feb 2006, D.B.
Revised
5/06 G.N.

ROAD INVENTORY

HAWAII RTE 11
MAMALAHOA HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
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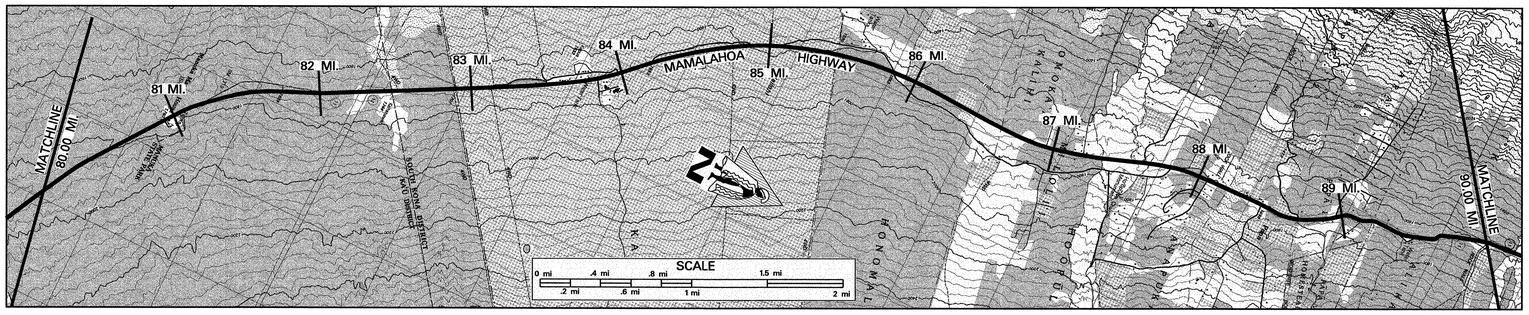
Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90

Maintenance Control Sections : Length and Description
- 11 D (9.85 MI.)
- END 11C – BEGIN 11D ON MAMALAHOA HWY AT THE CENTERLINE INTERSECTION WITH MILOLII ACCESS ROAD. 89.73
- 11 C (12.43 MI.)

ADT Sections; ADT; Traffic Count and Truck Weight Stations
- 11 13 (35.21 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
- (80'–100') 80.76 80' 81.03 80' 81.36 80' 81.49 80' 82.43 90' 82.63 80' 83.42 80'–120' 83.86 80' 84.45 80'–105' 86.36 80' 87.74 80'–150' 87.98 80'–95' 87.98 80'–90' 88.70 50' 89.82

Available Right of Way Width (Needs Study)
- TREES & HEAVY BRUSH
- LAVA ROCK & LARGE TREES

Right of Way Fence: Type – Right and Left
- 80.82 80.83 (ROCK WALL)
- (STONEWALL 20' FROM E.P.) 84.09 86.49
- (STONEWALL 20' FROM E.P.) 88.26 88.56
- RUBBLE WALL 20' FROM E.P. 88.82 FENCE 89.82 89.83

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
- 11D–01–79M, (RESURF.), 1979 | 83.26 83.72 (BF–011–1(3), 1961) | 11D–01–82M, (RESURF.), 1982 | 88.81 11C–01–92, (R) 1994

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #8

MANUKA PARK ENTRANCE (80.83 MI.) | DISTRICT OF SOUTH KONA (82.49 MI.) | DRIVEWAYS (82.83 MI.) | KAPUA ROAD (83.07 MI.) | MAUKA (83.86 MI.) | HONOMALINO AGRI. DEF. RD. (84.83 MI.) | PAVED ROAD (85.11 MI.) | PAVED ROAD (85.86 MI.) | ENTRANCE TO JAMES STEWART RANCH (86.35 MI.) | PAVED ROAD (86.56 MI.) | PAVED ROAD (86.84 MI.) | ROAD (86.98 MI.) | LANI KONA RD. OLD MAMALAHOA HIGHWAY (87.54 MI.) | HONOMALINO RD. (87.83 MI.) | MILOLII VILLAGE ACCESS RD. (87.97 MI.) | PAPA BAY DRIVE (88.37 MI.) | PAPALANI PLACE (88.73 MI.) | ROAD (88.83 MI.) | (88.99 MI.) | (89.15 MI.) | (89.46 MI.) | (89.82 MI.)

MAMALAHOA HWY

CONTINUED ON SHEET #10

SCALE: (In Miles) 2" = 1 mile

80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90

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

- 6' BP | 22' AC | 6' BP
- 0'–6' GRASS | 8' AC | 0'–6' AC
- 88.81 | 20' AC | 89.57 | 24' AC | 20' AC
- 2'–8' GRAVEL | 8' AC | 2'–8' GRV.
- 89.76
- 89.74

Number of Traffic Lanes
- 2–11' | 88.81 2–10' | 89.57 2–12' | 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
- 83.86 84.09 84.14 84.23 METAL ON METAL
- METAL ON METAL 87.06 87.30

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 | 85.49 | MOUNTAINOUS | 88.88

Speed: 1–Design, 2–Posted
- 55 MPH (2) (MINIMUM 40)
- 88.67 (45 MPH (2)) 88.82 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification
- MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits
- 11D–01–79M (RESURF.), 1979: 83.40
- 83.72 BF–011–1(3), 1959
- 11D–01–82M (RESURF.), 1982: 83.72 BF–011–1(3), 1961 89.12
- (11BC–01–91 (IMPRV., REALIGN.), 1993) 89.57 89.74
- 88.61 89.12 11C–01–76M (RESURF.) 1976
- (FAP 8A, 1932) 88.61 88.85 FAP 8A, 1930

HPMS

SCALE: (In Miles) 2" = 1 mile

80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90

Date Released
Feb 2001
Revised
Feb 06 D.B.

ROAD INVENTORY

HAWAII RTE 11
MAMALAHOA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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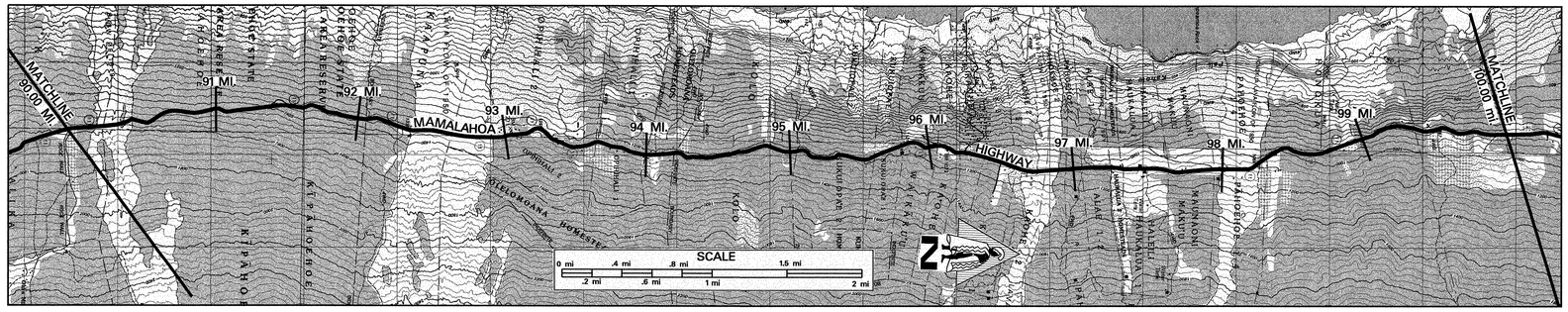
Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

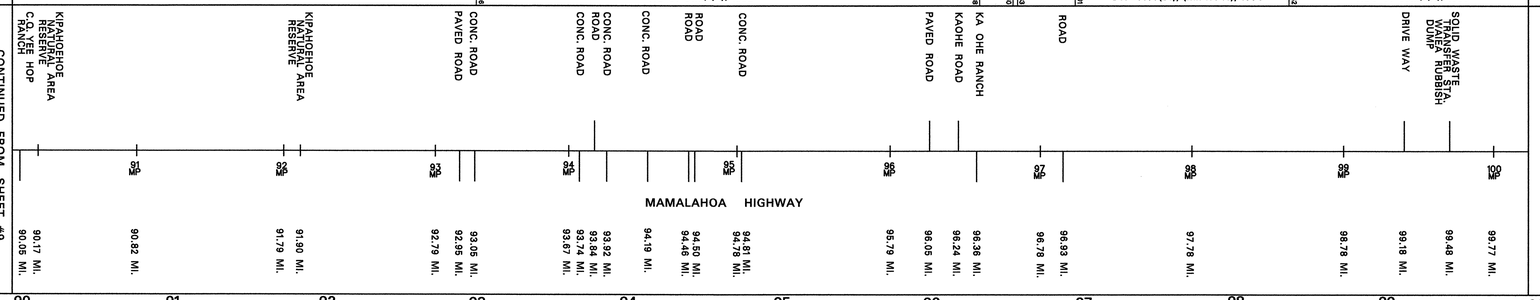
90 91 92 93 94 95 96 97 98 99 100

Maintenance Control Sections : Length and Description	11 C (12.43 MI.)
	11 13 (35.21 MI.)
ADT Sections; ADT; Traffic Count and Truck Weight Stations	
Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed	
Structure Carrying Road — Vertical Clearance	
Structure Carrying Road — Horizontal Clearance	
Structure Beneath — Vertical Clearance	
Structure Beneath — Horizontal Clearance	
Right of Way Width (min.–max.) if varies	50′ (92.04) 80′ (92.73) 50′ (96.39) 80′ (96.66) 50′ (97.22) (97.83) 80′ (98.20) 50′
Available Right of Way Width (Needs Study)	LAVA ROCK AND LARGE TREES (92.46) LAVA ROCK & TREES (92.96) RESIDENTIAL AREA (94.35) BRUSH AND LARGE TREES
Right of Way Fence: Type – Right and Left	(STONE WALL 20' FROM EDGE OF PAVMT)—(92.46) (92.46) (STONE WALL 20' FROM EDGE OF PAVMT)—(92.96) (92.96) RUBBLE WALL (93.90) RUBBLE WALL (RUBBLE WALL)—(97.22) FENCE (97.83) STONE WALL 20' FROM EDGE OF PAVEMENT (RUBBLE WALL)—(96.39) FENCE STONE WALL 20' 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)	STATE
Project No., Type of Construction, and Year Constructed	(11C-01-90M, (R), 1990) (11C-01-76M, (R), 1976) (92.29) (96.63) 11BC–01–01M, (RESURFACE), 2004
Project No., Type of Construction, and Year Constructed	11C–01–92, (R), 1994 (92.96) 11C–01–91M, (R), 1992 (96.39) (96.63) (97.01) STP–0100(31), (IMPROV.), 1994 (98.45) 11BC–01–89M, (R), 1989

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #9.



CONTINUED ON SHEET # 11

SCALE: (In Miles) 2" = 1 mile

90 91 92 93 94 95 96 97 98 99 100

Divided Highway — Undivided	Shoulder: Width and Type	0′–6′ GRASS (91.95) 8′ AC (91.95) 0′–6′ GRASS (92.31) 4′ GRAVEL (92.99) 0′–4′ GRASS (95.49) (95.56) 0′–4′ GRASS (96.24) (96.35) 4′ AC
	Pavement: Width and Type	20′ AC 24′ AC 20′ AC (93.04) 16′–18′ AC (22′ AC) 16′–18′ AC (96.66) 20′ AC (96.84) 16′–18′ AC (97.15) 20′ AC (98.00) 18′ AC (98.35) 20′ AC 16′–18′ AC
	Shoulder: Width and Type	2′–8′ GRAVEL (90.35) 0′–6′ GRASS 8′ AC 0′–6′ GRASS (92.31) 2′ AC (92.46) 3′ AC (93.05) 3′–6′ GRASS (94.17) 0′–6′ GRASS (8′) 0′–6′ GRASS (96.35) 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′) (95.49) 2–10′ (91.95) 2–12′ (93.80) 2–10′ (93.54) 2–(8′–9′) (95.49) 2–(8′–9′) (95.89) 2–10′ (96.53) 2–(8′–9′) (96.63) 2–10′ (97.15) 2–9′ (98.00) 2–10′ (98.35) 2–(8′–9′)
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)		(97.15) (98.00) 2′ AC GUTTER (96.63) 1′ AC GUTTER 2′ AC GUTTER (98.35)
Protective Devices: Type, Location and Number	ALL GUARDRAILS METAL ON METAL	(93.05) (93.37) (93.54) (92.54) (92.27) (92.58) (92.78) (92.58) (92.27) (92.80) (92.27) (96.49) (96.60) (97.17) (97.17) (98.09) (98.34) (98.42)
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		MOUNTAINOUS
Speed: 1–Design, 2–Posted		35 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing		
Sight Distance: Minimum Passing PSD–		
Minimum Stopping SSD–		
Pavement Striping: No Passing Zones		
Capacity: Service Volume–E		
DOD Sections		
Census Tracts		
Functional Classification		MINOR ARTERIAL
National Highway System (NHS)		
Previous Projects: Project No., Date and Limits		(11BC–01–91, (IMPROV., REALIGN), 1993)—(91.56) (91.80) 11C–01–76M, (RESURFACE), 1976 FAP 8A, 1930 (92.38) (11BC–01–90, (IMPRV.), 1991)—(95.49) (95.56) (96.63) 11C–01–90M, (R), 1990 (FAP8B, 1935) (FAP 8B, ER 2(1), 1953) 11BC–01–89M, (R), 1989 (HHS–01–1(15), 1976) (92.46) 93.08 (11C–01–76M, (RESURFACE), 1976) 11C–01–91M, (RESURFACE), 1992 11C–01–75M, (RESURFACE), 1976 (96.38) (11C–01–76M, (R), 1776)—(96.60) 97.13 FAP 8A, 1932 97.54 97.88 98.00 98.35 (11C–01–76M, (R), 1976) 99.60 99.69 ER 2(1), FLOW #3, 1951 (93.19) FAP 8–A, 1930 (96.63) ER 2(1), FLOW #2, 1951 97.15 FAP 8–A, 1930 97.80 8-B,1931 98.01 98.36 (ER 2(1), FLOW #1, 1951) FAP 8–B, 1931 99.79 (FAP 8-C , 1931) 40+06.28 913+01.67 727+12 0+00 20+00 633+93 558+04.70
HPMS		

SCALE: (In Miles) 2" = 1 mile

90 91 92 93 94 95 96 97 98 99 100

Date Released	
Feb 2006, D.B.	
Revised	

ROAD INVENTORY

HAWAII RTE 11
MAMALAHOA HWY

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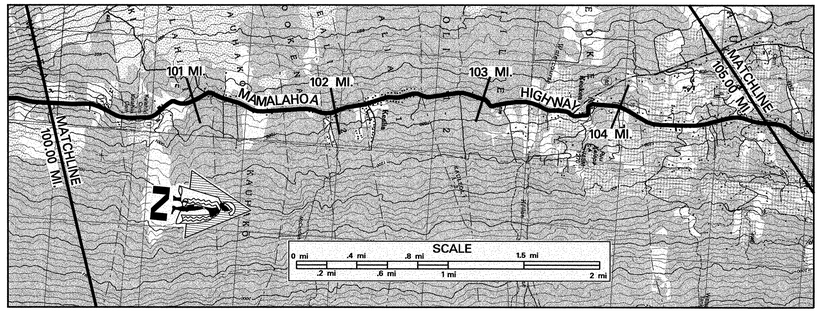
Total Route Length: 122.08 miles

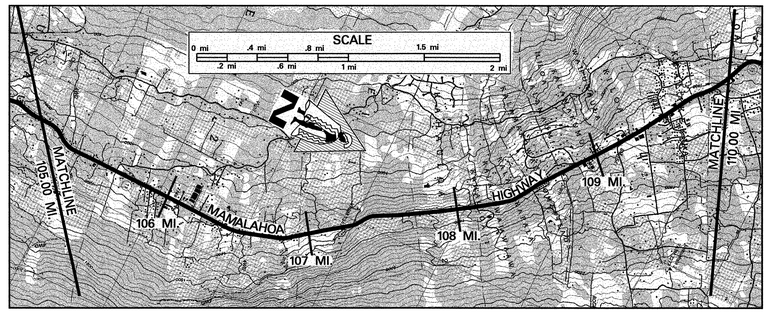
a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*





SCALE: (In Miles) 2" = 1 mile

100 101 102 103 104 105 106 107 108 109 110

Maintenance Control Sections : Length and Description

11 C (12.43 MI.) | END 11 B – BEGIN 11 C ON MAMALAHOA HWY @ THE CENTERLINE INTERSECTION WITH HOOKENA BEACH ROAD. | 11 B (14.50 MI.)

ADT Sections; ADT; Traffic Count and Truck Weight Stations

11 13 (35.21 MI.) | 11 14 (2.50 MI.) | 11 15 (5.55 MI.) | 11 16 (103 MI.)

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: 50′ | 50′–60′ | 60′

Available Right of Way Width (Needs Study): BRUSH & LARGE TREES | RESIDENTIAL AREA

Right of Way Fence: Type – Right and Left: STONE WALL 20' FROM EDGE OF PAVEMENT (FENCE) (CRM WALL) | STONE WALL 20' FROM EDGE OF PAVEMENT (CRM WALL) (FENCE) | STONE WALL

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

Project No., Type of Construction, and Year Constructed: (11B–02–89, (WIDEN & RESURFACE), 1990) (11B–01–96M, (R), 1998)

Project No., Type of Construction, and Year Constructed: 11BC–01–01M, (RESURFACE), 2004 | 11B–01–96M, (RESURFACE), 1998

11BC–01–89M, (R), 1989 | 11BC–01–90, (IMPRV.), 1991 | (11BC–01–90, (IMPRV.) 1991) | 11B–01–86M, (R), 1986 | COUNTY

CONTINUED FROM SHEET #10

CULVERT | HOOKENA BEACH RD. | HOOKENA SCHOOL RDs | ROAD | ROAD | POWER SUB STATION | ROAD TO CITY & PUHALOOPOO (KEAU-KAPAA AVE RD.) | STATE HWY BASEYARD & MAINTENANCE STATION | MIDDLE KEFEI RD. | HONAUNAU ELEM. SCH. RD. | ROAD | ROAD | CULVERT | ROAD | KALAMALANI PL. | ROAD | ANOI PLACE | CAPTIN COOK ROAD | PAVED RD. END SW KAMAKANI ST. & KINUE RD. | REG. DIV. HWY. | HALEKII-PUHIO HWY. | END STATE HWY SIGN | CHALLENGER KOA RD.

DOD 785 | DOD 790 | MAMALAHOA HWY

100.50 MI. | 100.77 MI. | 101.10 MI. | 101.42 MI. 101.37 MI. 101.34 MI. | 101.82 MI. 101.77 MI. | 102.09 MI. | 102.77 MI. 102.73 MI. | 103.60 MI. | 103.77 MI. | 104.14 MI. | 104.78 MI. | 105.59 MI. | 105.78 MI. | 105.95 MI. 105.92 MI. | 106.10 MI. | 106.31 MI. | 106.78 MI. | 107.79 MI. | 108.13 MI. | 108.00 MI. | 108.78 MI. 108.68 MI. 108.61 MI. | 108.96 MI. | 109.22 MI. 109.15 MI. | 109.34 MI. | 109.50 MI. 109.44 MI. | 109.60 MI. | 109.78 MI. | 109.87 MI.

CONTINUED ON SHEET #12

Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

100 101 102 103 104 105 106 107 108 109 110

Divided Highway — Undivided — Shoulder: Width and Type: 4′ AC | 3′ AC | 4′ AC | 3′ AC | 6′ AC | 6′ GRASS | 4′ GRASS

Pavement: Width and Type: 16′–18′ AC | 18′ AC | 22′ AC | 18′ AC | 20′ AC (10′ AC) | 20′ AC

Shoulder: Width and Type: 4′ AC | 3′ AC | 3′ AC | 6′ AC | 2′ AC | 0 | 3′–15′ GRASS

Median: Width and Type: (0′–10′ GRASS) | (2′–4′ AC) | (PAINTED MEDIAN 0–10′)

Median Barriers: 0

Shoulder: Width and Type: (10′ AC) | (8′ GRASS)

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes: 2–(8′–9′) | 2–9′ | 2–11′ | 2–9′ | 2–10′ | (2–12′) | 2–10′

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

(Right Side): 10′ PARALLEL PARKING

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

Sidewalk: Width and Type (Right and Left): 5′ AC SIDEWALK | 5′ AC SIDEWALK | 3′ AC SIDEWALK | (5′ AC SIDEWALK) | 3′ AC SIDEWALK | 2′ AC SIDEWALK | 4′ CONC. SW | 5′ CONC. SW | CONC. CURB | CONC. CURB

Curb and/or Gutter: Type (Right and Left): 1′ BITUMINOUS CURB | 1′ BITUMINOUS CURB | (BITUMINOUS CURB) | M/C

Protective Devices: Type, Location and Number — ALL GUARDRAILS METAL ON METAL UNLESS OTHERWISE NOTED

Illumination: Type, Location and Number: FLASHING SCHOOL SPEED LIMIT SIGNS

Curves: Degree of Curvature (Right and Left): 1 MV | 20 MV

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: MOUNTAINOUS | ROLLING

Speed: 1–Design, 2–Posted: 35 MPH (2) | 45 MPH (MINIMUM 30 MPH) (2) | 30 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

11BC-01-89M, (R), 1989 | 11BC-01-89M, (R), 1989 | (11B-03-70, 1971) | FAP 8-C, 1931 | 11B-03-70, 1971 | FAP 8-D, 1931 | 11B-01-96M, (RESURFACE), 1998 | NRH 8-E, 1936 | WPH 8-F, 1936 | NRH 8-E, 1935 | WPH 8-F, 1935 | 11B-01-81M, (RESURFACE), 1981 | COUNTY | EXCEPTION | WPH 8-F, 1936 | FAP 8-G, 1937 | COUNTY | WPH 8-F, 1935 | PROJ. #8-G

HPMS

SCALE: (In Miles) 2" = 1 mile

100 101 102 103 104 105 106 107 108 109 110

Date Released
Feb 2006, D.B.
Revised

ROAD INVENTORY

HAWAII RTE 11

MAMALAHOA HWY, KUAKINI HWY, QUEEN KAAHUMANU EXT.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

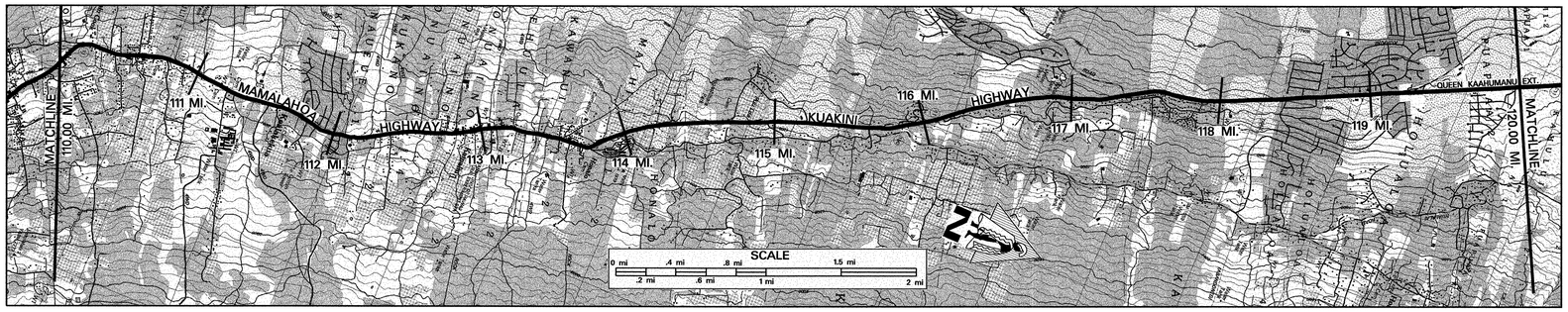
Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

ADT Sections; ADT; Traffic Count and Truck Weight Stations

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

Structure Carrying Road: Vertical Clearance

Structure Carrying Road: Horizontal Clearance

Structure Over Roadway: Vertical Clearance

Structure Over Roadway: Horizontal Clearance

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

Available Right of Way Width (Needs Study)

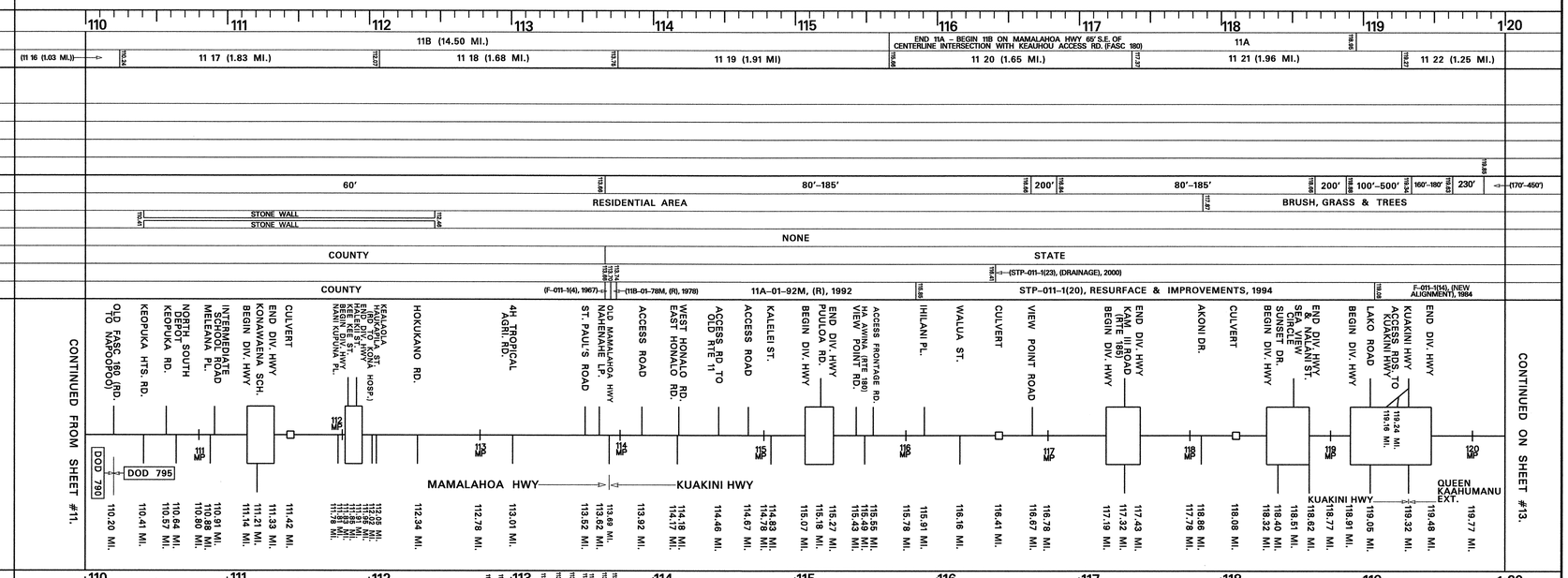
Right of Way Fence: Type – Right and Left

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



SCALE: (In Miles) 2" = 1 mile

Shoulder: Width and Type (Undivided)

Pavement: Width and Type (Undivided)

Shoulder: Width and Type (Undivided)

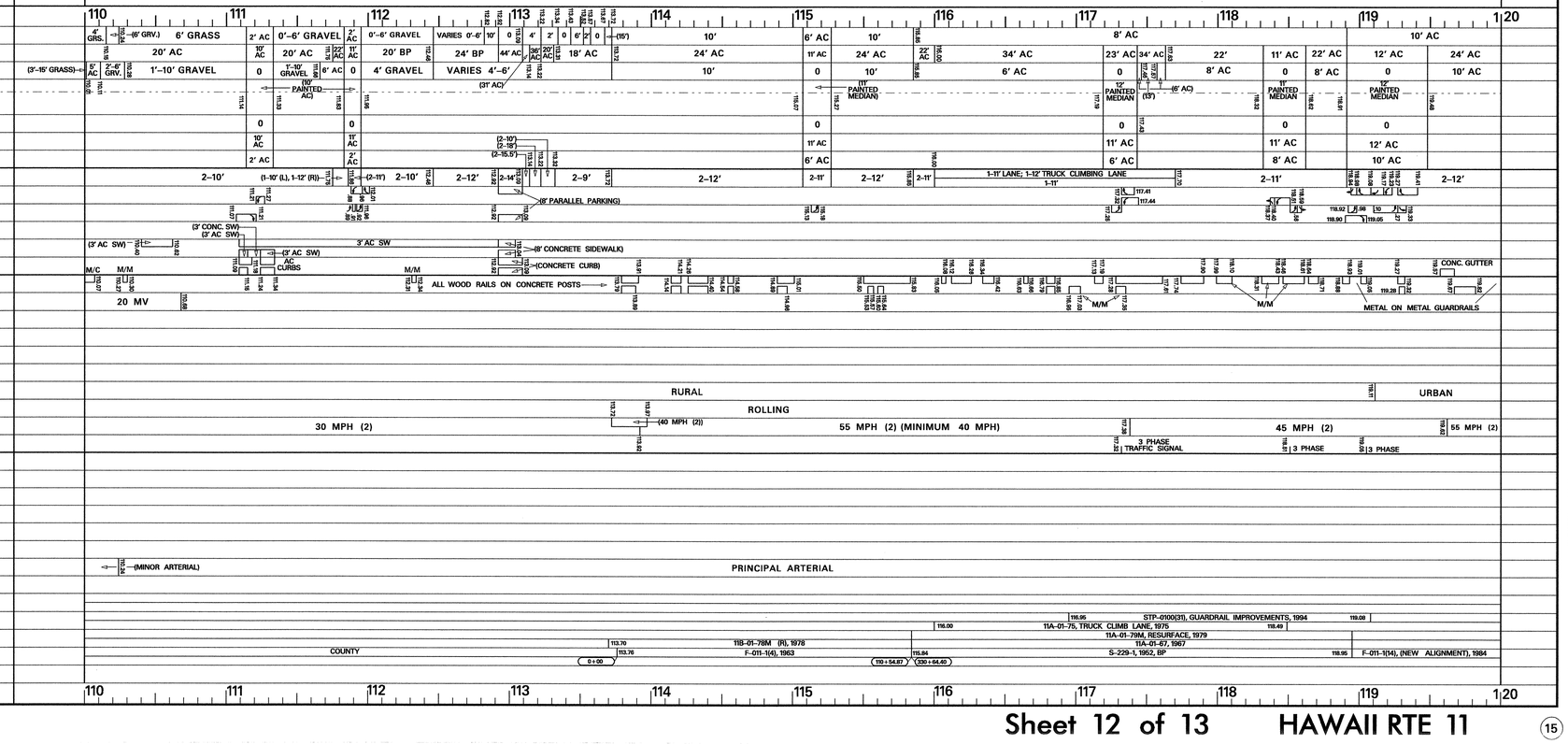
Median: Width and Type (Divided Highway)

Median Barriers: (Divided Highway)

Shoulder: Width and Type (Divided Highway)

Pavement: Width and Type (Divided Highway)

Shoulder: Width and Type (Divided Highway)



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

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

HPMS

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.
Revised

ROAD INVENTORY

HAWAII RTE 11
QUEEN KAAHUMANU EXT.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

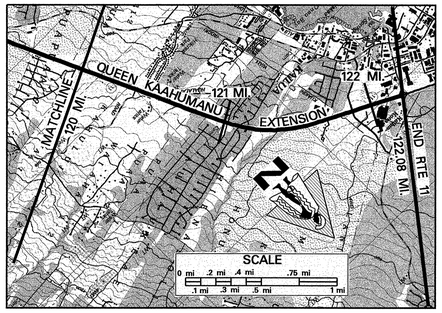
Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130

Maintenance Control Sections : Length and Description

ADT Sections; ADT; Traffic Count and Truck Weight Stations

11 22 (1.25 MI.) | 11 23 (0.43 MI.) | 11 24 (1.18 MI.)

Structure Carrying Road

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

5 CELL BOX CULVERT
1884, HS–20–44
175'

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

170'–450' | 210' | 170' | 300' | 110' | 390' | 170' | 210' | 220'–250'

Available Right of Way Width (Needs Study)

BRUSH, GRASS & TREES

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)

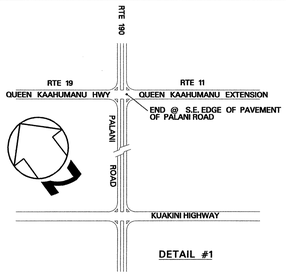
STA 193+00 | 11A–01–02 Inter Imp 2005 | STATE

STA 187+50

Project No., Type of Construction, and Year Constructed

F–011–1(4), (NEW ALIGNMENT), 1984

Project No., Type of Construction, and Year Constructed



DETAIL #1

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #12

BEG. DIV HWY. | HUALALAI RD HUALALAI ROAD | BEG. DIV HWY. S-B W.I.M. STA. | END DIV HWY. | NANI-KAULUA DR. | END DIV HWY. PONI PL. | BEG. DIV HWY. ROAD | HENERY ST. (SEE DETAIL #1) | END DOD 805

120.41 MI. | 120.77 MI. | 121 MP

QUEEN KAAHUMANU EXT.

120.21 MI. | 120.37 MI. | 120.45 MI. | 120.74 MI. | 120.77 MI. | 120.81 MI. | 121.01 MI. | 121.14 MI. | 121.20 MI. | 121.45 MI. | 121.54 MI. | 121.78 MI. | 121.85 MI. | 122 MP

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '98 PHOTOLOG & '99 DATABASE.

* 122.08 MI.

END RTE 11 ON QUEEN KAAHUMANU EXT. AT THE SOUTHEAST EDGE OF PAVEMENT OF PALANI ROAD (RTE 190).

SCALE: (In Miles) 2" = 1 mile

120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130

Divided Highway – Undivided

Shoulder: Width and Type

10' AC

Pavement: Width and Type

24' AC | 12' AC (24' AC) | 12' AC | 24' AC | 36' AC

Shoulder: Width and Type

10' AC | 0 (10' AC) | 0 | 10' AC | 0

Median: Width and Type

12' PAINTED MEDIAN | 12' PAINTED MEDIAN | 12' PAINTED MEDIAN

Median Barriers:

Shoulder: Width and Type

0 | 0 | 0

Pavement: Width and Type

12' AC | 12' AC | 12' AC

Shoulder: Width and Type

10' AC | 10' AC | 10' AC

Number of Traffic Lanes

2–12' | 2–12' / 1–12'

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)

ALL CONC. GUTTERS

Protective Devices: Type, Location and Number

ALL METAL ON METAL GUARDRAILS

Illumination: Type, Location and Number

4 LPS – LOW 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:

URBAN

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

ROLLING

Speed: 1–Design, 2–Posted

55 MPH (2) | 45 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification

PRINCIPAL ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

F–011–1(4), (NEW ALIGNMENT), 1984

HPMS

SCALE: (In Miles) 2" = 1 mile

120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130

Date Released
Feb 2006, D.B.
Revised

ROAD INVENTORY

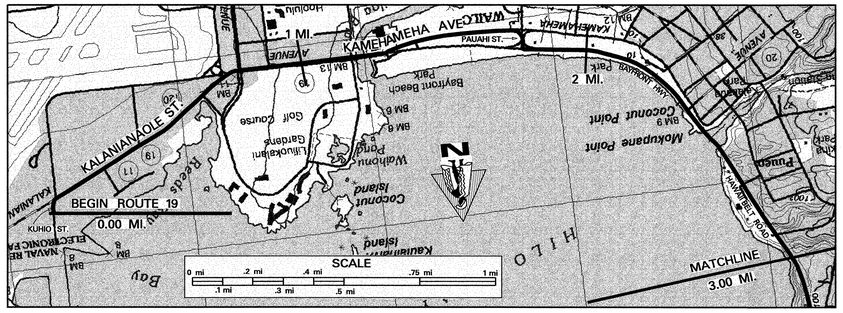
HAWAII RTE 19

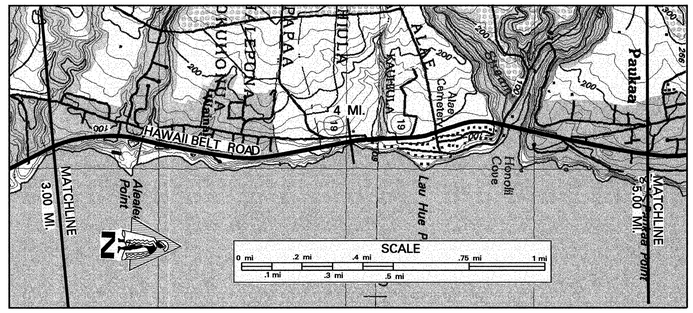
KUHIO ST., KALANIANAOLE ST., KAMEHAMEHA AVE., PAUAHI ST., BAY FRONT HWY, HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Route Length: 99.59 miles
a. Survey Length: 99.59 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*





SCALE: (In Miles) 4" = 1 mile

0 1 2 3 4 5

Maintenance Control Sections : Length and Description
END 19L SAME AS BEGIN RTE 19 | 19L (2.57 MI.) | END 19K AND BEGIN 19L AT N.W. END OF WAILUKU BR. | 19K (1.63 MI.) | END 19J AND BEGIN 19K AT ALAE CEM. ACCESS RD. | 19J (10.76 MI.)

ADT Sections; ADT; Traffic Count and Truck Weight Stations
(19 01 (0.10 MI.)) | 19 02 (0.68 MI.) | (19 04 (0.08 MI.)) 19 03 (0.44 MI.) | 19 05 (0.48 MI.) | 19 06 (0.62 MI.) | 19 07 (0.82 MI.) | 19 08 (3.19 MI.)

Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed
PRE-STRESSED CONC. GIRDER 1993, HS-20-44 — 152' | STEEL MULTISTRINGER 1950, H20 — 442' | TEE BEAM 1949, H20 — 146' | CONCRETE TEE BEAM 1936 H15 — 544'

Vertical Clearance — 12.9 | 15.0 | 12.8 | 14.9

Horizontal Clearance — 106' | 28' | 28' | 24'

Structure Over Road — Vertical Clearance — 20' | 23'-02" | 18'-02"

Horizontal Clearance — 28.8 40' | 30.5 57' | 28.5 44'

Right of Way Width (min.–max.) if varies — 75'–120' | 70'–261'

Available Right of Way Width (Needs Study)

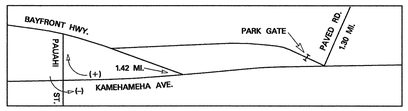
Right of Way Fence: Type – Right and Left

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C) — STATE | COUNTY | STATE

Project No., Type of Construction, and Year Constructed — (STP-019-2(32), (RESURFACE)) | (BR-F-019-2(27), 1993 BRIDGE REPLACEMENT) | (SDR 3(8), 1950) | (19J-01-97M, (R), 1999)

Project No., Type of Construction, and Year Constructed — STP-0100(037), (IMPRV.), 1997 | NH-019-2(54), (BIKEWAY IMPRV.), 2003 | STP-019-2(31), (R), 1995 | STP-019-2(34), (RESURFACE), 1998



DETAIL #1
NOT TO SCALE

Road Diagram

* MP = Milepost Signage

Indicates Grass & / or Physical Barrier on Median.

BEGIN ROUTE 19 ON KUHIO STREET AT THE ENTRANCE TO KUHIO WHARF.

0.00 mi. — (KUHIO ST.) — KALANIANAOLE ST. — KAMEHAMEHA AVE. — (PAUAHI ST.) — BAY FRONT HWY — HAWAII BELT ROAD

MP 0 | SILVA ST & KALANIANAOLE ST & BEGIN DIV. HWY | PAVED ROAD KUMAU ST. | KEAA ST. | MP 1 | END DIV. HWY & BEG. DIV. HWY & KAMEHAMEHA BANYON DR. (R) | KANOELEHUA AVE (RTE 11) (L) | KALANIKOA ST. | BEG. DIV. HWY | WAIAKOA BRIDGE LIHIWAI ST. (R) MANONO ST. (L) | SEE DETAIL #1 | PAVED ROAD ONE WAY ROAD | ROAD FROM PARKING LOT | BEG. DIV. HWY END DIV. HWY | 1.76 MI. | BAYFRONT HWY PAUAHI ST. | END DIV. HWY | WAIANUENUE AVE. (FAUL 1950) BEG. DIV. HWY | 2.38 MI. | WAILUKU BR. END DIV. HWY | PUKIHAE ST. | MP 3 | PUKIHAE BRIDGE | HALAULANI ROAD O.P. | BEG. DIV. HWY | END DIV. HWY HILO PLANT H.S.P. CO. HILO PLANT FLUME O.P. | HAU ST. | SENIC LOOKOUT | WAINAKU ST. | MP 4 | ALAE CEMETARY ENTRANCE | NAHALA ST. (R) KAHOA RD. (L) | HONOLII BRIDGE | KULANA ST. EXT. KAHOA DR. PAVED RD. BEG. DIV. HWY | MP 5 | END DIV. HWY | KAHOA PL.

0.00 MI. 0.03 MI. 0.05 MI. 0.00 MI. 0.29 MI. 0.34 MI. 0.43 MI. 0.64 MI. 0.89 MI. 0.79 MI. 0.84 MI. 0.84 MI. 1.05 MI. 1.23 MI. 1.27 MI. 1.33 MI. 1.43 MI. 1.53 MI. 1.65 MI. 1.83 MI. 1.78 MI. 1.83 MI. 1.96 MI. 2.32 MI. 2.40 MI. 2.50 MI. 2.49 MI. 2.70 MI. 2.74 MI. 2.84 MI. 2.89 MI. 3.04 MI. 3.09 MI. 3.13 MI. 3.22 MI. 3.26 MI. 3.32 MI. 3.53 MI. 3.75 MI. 4.04 MI. 4.19 MI. 4.28 MI. 4.49 MI. 4.68 MI. 4.73 MI. 4.78 MI. 4.87 MI. 4.94 MI.

CONTINUED ON SHEET #2

SCALE: (In Miles) 4" = 1 mile

0 1 2 3 4 5

Divided Highway — Undivided — Shoulder: Width and Type — (6' GRS.) 0.08 2' GRASS 0.29 6'-(4'-6" AC) 0.64 | 0.78 0 | 5' AC SHLDR. / BIKELANE 1.28 | 2'-4" AC 1.47 | 8'-20' AC 1.88 | (50' AC) 0'-1' AC 2.38 | 8' AC 2.48 | 30' AC 2.78 | (0'-1' AC) 4.58 | 8' AC 4.87 4.90 | (6' AC)

Pavement: Width and Type — ALL PAVEMENT AC — 28' (16') (25' GRS./GRV.) 15' AC 0.12 10' AC 0.22 15' AC 0.27 28' (32' GRV.) | 12' 36' 0.79 16' AC 0.86 5' AC SHLDR. / BIKELANE 45' | 24' AC 1.48 | 28' AC 1.76 | 28' AC 12' AC 1.95 | 32' AC (20' AC) 2.32 2.40 | (12' AC) 24' (50') | 24' 27' 3.38 | 4' AC 24' (22' AC) 4.58 4.94 | 12' AC 24' AC

Undivided — Shoulder: Width and Type — (6'-8' GRASS) 0 | 8'-12' GRS. 0 | (0'-1' AC) 0 | 1' AC 8' AC | 8' AC 0 | 1' AC | 4' AC 0 4' AC | 0 | 0 6' AC

Median: Width and Type — (0'-12' PAINT) 0.09 | 0'-20' PAINTED AC 1.63 (PAINTED AC) 1.85 | 0'-10' RAISED AC 1.95 | (0'-12' PAINTED AC) 2.32 | 2'-12' RAISED GRASS 2.48 | 4'-12' GRASS M/M 3.32 | 0'-8' PAINTED AC

Median Barriers: (0'-8' PAINT) 1.05

Shoulder: Width and Type — 0 | 0 | 0 | 1' AC | 0 | 1' AC | 0 | 0

Pavement: Width and Type — ALL PAVEMENT AC — (15') 12' | (1'-13') (1'-11') (1'-12') 22' AC | 22' AC 1.88 | 20' AC | 20' AC 16' AC | 26' | 12' AC

Shoulder: Width and Type — (8'-16' AC) 0 0.84 | 5' AC SHLDR. / BIKELANE 1.39 | 8' AC 1.45 | 0'-1' AC | 0'-1' AC 1.76 | 2' AC | 8' AC 2.45 | 5' AC | 4' AC | 8' AC

Number of Traffic Lanes — (2-14') (1-16') (1-15') 2–14' | (1-12') 1-14' 1.14 | 2–14' | 2-12' 1.48 | 2-11' | 2-14' 1.76 | 1-12' 1.88 | 1-20' | 1-16' 2.32 | (2-12') 2.40 | 2–12' | 2-12' 3.00 3.10 1-13' (L), 1-14' (R) 3.39 | 2–12' | (2-11') 4.68 | 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — 11' TL 0.34 (1-10') (1-12') 0.69 | 11' TL 1.16 (10') 12' T.L. 1.21 (11') 1.27 12' T.L. 1.33 1.42 | 11' TL 1.78 1.82 | 2-12' TLs 2.45 | 12' TL 3.25 3.32 10' T.Ls 3.47 | 11' TL 3.55 | 12' TL 4.73 4.78 12' ACC. LN. 4.88

(Right Side) — (10' PARKING LN.) 0.08 0.16

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

Sidewalk: Width and Type (Right and Left) — (8' CONCRETE) 0.30 0.78 | 8' CONC. 1.06 6' CONC. 1.33 CONC. CURB 1.49

Curb and/or Gutter: Type (Right and Left) — (CONC. CURB) 0.14 0.30 | CONC. CURB 1.06 1.33 | CURB + GUTTER 1.73 1.84 | CURB + GUTTER 2.45 2.27 2.46

Protective Devices: Type, Location and Number — ALL METAL ON METAL (UNLESS NOTED OTHERWISE) — 1.62 1.88 | 2.32 2.61 2.73 2.85 2.87 2.90 2.94 2.98 3.02 3.24 3.27 3.32 3.34 3.27 3.32 3.75 3.85 4.05 4.09 4.16 4.82 4.86 | WOOD ON CONC. METAL ON CONCRETE 4.79 4.84

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 | RURAL

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

Speed: 1–Design, 2–Posted — NOT POSTED 0.22 | 35 MPH (2) | 55 MPH (2) 2.19 | 45 MPH (1) 2.44 | 35 MPH (2) 2.71 | 45 MPH (2) 3.30 | 55 MPH (2) (MINIMUM 40 MPH)

Intersection Control Devices: Type, Location and Cycle Timing — 0.84 | 3 PHASE

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification — PRINCIPAL ARTERIAL

National Highway System (NHS) — NHS

Previous Projects: Project No., Date and Limits

0.76 STP-019-2(32), (R), 1996 1.07
1.00 BR-F-019-2(27), (BR. REPLACEMENT), 1993 1.49
STP-0100(037), (IMPRV.), 1997 0.76 0.81 19L-01-82M, (R), 1982
0.15–(19L-01-82M, (R), 1982) 1.31 19L-01-79M, (R), 1979
SDR-2(2), 1951 (SDR 3(8), 1950)– 2.49 19 K-01-72, (R), 1972 3.32 19K-01-85M, (RESURFACE), 1985 4.60 19J-02-88M, (R), 1988
COUNTY TO STATE (PHASE 1) 1.42 2.57 (32+42) 18JK-01-70 (RESURFACE & REHAB) 1971
60+00 0+00 86+64 SDR 3(1), 1948 4.65 SDR-3(4), 1950

HPMS

SCALE: (In Miles) 4" = 1 mile

Date Released
Feb 2006, D.B.
Revised

ROAD INVENTORY

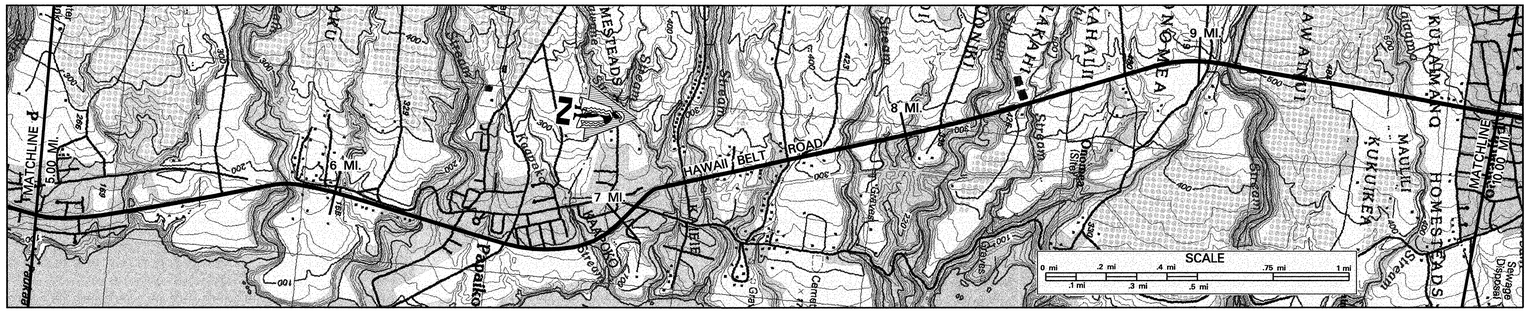
HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Route Length: 99.59 miles
a. Survey Length: 99.59 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

19J (10.76 MI.)

ADT Sections; ADT; Traffic Count and Truck Weight Stations

19 08 (3.19 MI.) | 19 09 (3.49 MI.) | (19 10 (3.37 MI.))

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

CONC. MASONRY ARCH HS–20, 1912, (1967) 49′ | STEEL GIRDER & FLOOR BEAM H–20, 1950 415′ | PRESTRESSED BEAM HS–20, 1967 210′ | PRESTRESSED BEAM HS–20, 1967 145′ | PRESTRESSED BEAM HS–20, 1968 424′ | STEEL GIRDER & FLOOR BEAM H–20, 1948 71′ | PRESTRESSED BEAM 1968, HS–20 198′

Structure Carrying Road — Vertical Clearance

Horizontal Clearance: 24′ | 28′ | 28′ | 28′ | 28′ | 24′ | 28′

Structure and Speed — Vertical Clearance: 15′ 11″

Horizontal Clearance: 42′

Right of Way Width (min.–max.) if varies: 70′–261′ | 70′–125′ | 100′–250′ | 80′–135′

Available Right of Way Width (Needs Study)

(SUGAR CANE) | RESIDENTIAL

Right of Way Fence: Type – Right and Left

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

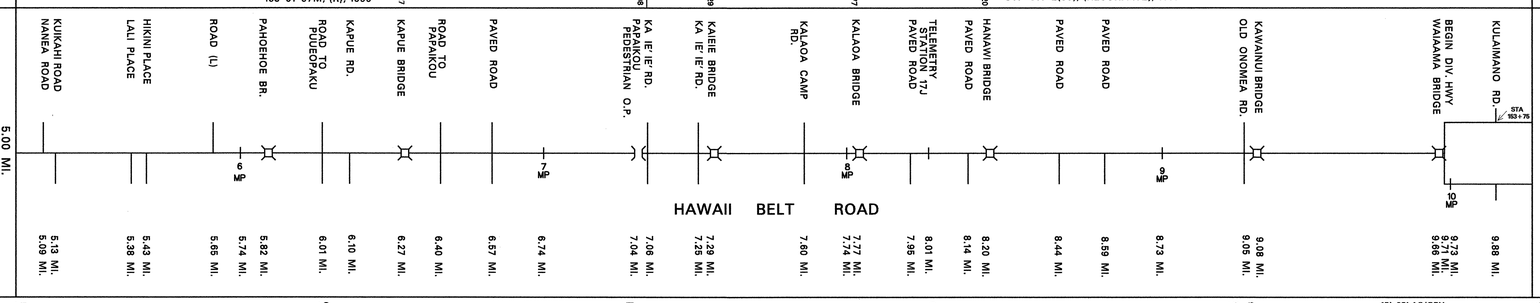
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE

Project No., Type of Construction, and Year Constructed: (19HJ–02–95M, (BRIDGE REPAIR), 1996) | STA 144+40 | 19J–01–02 IMP 2005 | STA 159+00

Project No., Type of Construction, and Year Constructed: 19J–01–97M, (R), 1999 | STP–019–2(35), (RESURFACE), 1997

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

Divided Highway — Undivided — Shoulder: Width and Type

6′ AC | 5′–10′ AC | 6′ AC | 5′–8′ AC | 8′–14′ GRASS/GRAVEL | 4′ AC | 8′–18′ GRAVEL | 11′–19′ GRAVEL (8′ GRV.) | 3′ AC | 6′ AC (2′–4″ AC)

Pavement: Width and Type: 24′ AC | 22′ AC | 35′ AC | 22′ AC | 12′ AC

Shoulder: Width and Type: 6′ AC | 5′ AC | 6′ AC | 5′ AC | 8′–12′ GRASS/GRAVEL | 4′–6′ AC | 6′–15′ GRAVEL | 6′ GRS | 18′–23′ GRAVEL | 3′ AC | 0

Median: Width and Type: (8′–10′ GRASS) | 10′–15′ AC/GRV | (0′–30′ PAINTED MEDIAN) | (0′–30′ PAINTED MEDIAN)

Median Barriers:

Shoulder: Width and Type: 0

Pavement: Width and Type: 12′ AC

Shoulder: Width and Type: 6′ AC (8′–18′ GRAVEL)

Number of Traffic Lanes: 2–12′ | 2–11′ | 2–11′ | 2–11′ | 2–12′

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): (10′ TL)

(Right Side): 1–13′ TRUCK CLIMBING LANE

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number (1) METAL ON METAL, (2) WOOD ON CONC., (3) METAL ON CONC.

Illumination: Type, Location and Number: 7 Low 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: RURAL

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

Speed: 1–Design, 2–Posted: 55 MPH (2), MINIMUM 40 MPH | 45 MPH (2) | 55 MPH (2), MINIMUM 40 MPH

Intersection Control Devices: Type, Location and Cycle Timing: FLASHING WARNING LIGHTS

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification: PRINCIPAL ARTERIAL

National Highway System (NHS): NHS

Previous Projects: Project No., Date and Limits

19J–02–88M, (R), 1988 | 19 JK–01–70, (RESURF. & REHAB), 1971 | SDR–3(4), 1950 | 19GHJ–01–78M, PMS–0100(11), UNIT 2, RESURFACE 1978 | (125+03.70) 0+00 | 19J–01–85M, (R), 1985 | (F–019–2(8), 1968) | F–AF 14B(1), 1949 | 19J–02–75, UNIT I, TRUCK CLIMBING LANE, 1979 | 19J–01–85M, (R), 1985 | 19GHJ–01–76, (R), 1976 | (19GHJ–01–76M, (R), 1976) | 19J–03–85M, (R), 1985

HPMS

SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

Date Released
Feb 2006, D.B.
Revised
5/06 G.N.

ROAD INVENTORY

HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

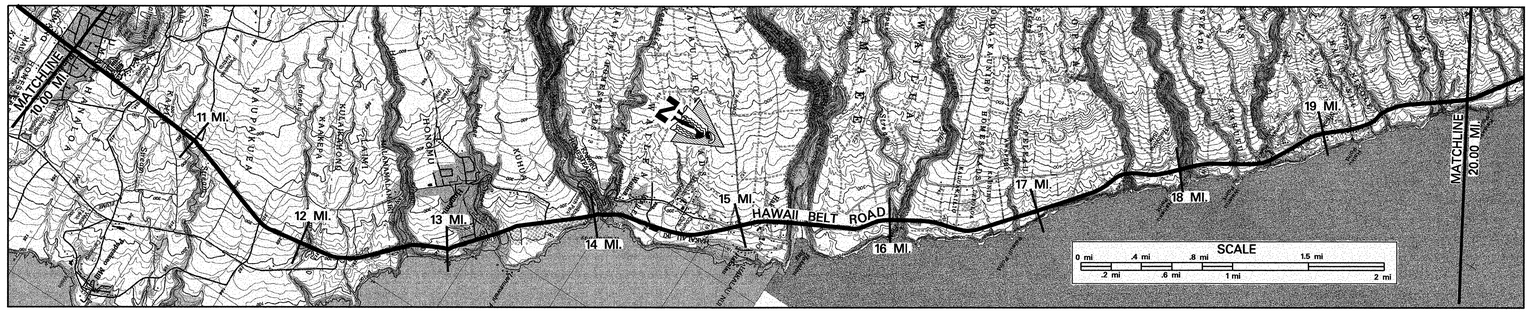
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

Date Released
Feb 2006, D.B.
Revised

SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

ADT Sections; ADT; Traffic Count and Truck Weight Stations

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

Structure Carrying Road — Vertical Clearance

Structure Carrying Road — Horizontal Clearance

Structure Beneath Over Road — Vertical Clearance

Structure Beneath 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

10 11 12 13 14 15 16 17 18 19 20

19J (10.76 MI.) | END 19H – BEGIN 19J AT THE CENTERLINE OF HAKALAU ROAD 14.98 | 19H (14.26 MI.)

19 10 (3.37 MI.) 13.27 | 19 11 (28.52 MI.)

STEEL MULTI–STRINGER 195, H–20 225′ 13.30 | STEEL GIRDER AND FLOORBEAM 1950, H–20 497′ 13.96 | STEEL MULTI–STRINGER H–20, 1953 775′ 15.30 | H–20, 1952 281′ 16.02 | H–20, 1952 225′ 17.81 | H–20, 1952 531′ 17.96 | HS–20, 1952 297′ 18.57 | TEE BEAM 34′ | H–15, 1934 19.40 | TEE BEAM 1951, H–20 112′ 19.40 | 50′ 19.75

28′ | 28′ | 28′ | 28′ | 28′ | 28′ | 28′ | 24′ 18.92 | 28′ | 28′

16′–04″ 11.42 | 16′–03″ 14.63 | 25′–08″ 15.27

42′ | 42′ | 38′

80′–135′ 11.65 | 100′–430′ 14.98 | 100′–230′ 16.89 | 85′–225′ 18.99 | 90′–200′ 19.91 | (70′–160′)

(RESIDENTIAL) 10.05 | CLEAR 1000′ – SUGAR CANE 10′–20′ FROM PAVEMENT 17.48 | LARGE TREES & HEAVY BRUSH 18.46 | RESIDENTIAL 19.36 | LARGE TREES 19.68 | (BRUSH AND LARGE TREES)

NONE

STATE

(19J–02–85, TRUCK. CLIMB LN., 1987) 13.45 13.70 | (19H–01–70, (R), 1971) 14.05 14.04

STP–019–2(35), RESURFACE, 1997 | 19J–02–97M, RESURFACE, 2000 | STP–019–2(36), (R), 1998 17.48 | (19H–01–00M, REALIGNMENT, 2002 | STP–019–2(36), (R), 1998

CONTINUED FROM SHEET #2

10.00 MI. KA'AKEPA ST. 10.15 MI. | END DIV. HWY 10.31 MI. | HILO COAST POWER CO. ACC. (R) 10.54 MI. | KOMOHANA STP. ROAD (L) 10.74 MI. | ROAD (L) 10.94 MI. | PEPEEKEO PLANTATION O.P. 11.42 MI. | PAVED ROAD 11.69 MI. 11.74 MI. | PAVED ROAD 11.89 MI. | PAVED ROAD 12.17 MI. 12.26 MI. | END DIVIDED BEG. DIVIDED PAVED ROAD 12.44 MI. 12.45 MI. | 12.74 MI. | PAHEEHEE BRIDGE RD. TO AKONOLINU FALLS (RTE 220) 13.25 MI. 13.30 MI. | SOLID WASTE TRANSFER STA. 13.69 MI. 13.74 MI. | KOLEKOLE BRIDGE RD. TO KOLEKOLE BEACH PARK 13.95 MI. 13.98 MI. | CULVERT 14.20 MI. | ROAD 14.38 MI. | ROAD (L) 14.57 MI. 14.74 MI. | RD. TO HAKALAU PEDESTRIAN O.P. (R) 14.93 MI. 14.95 MI. | HAKALAU BRIDGE HAKALAU JUNCTION O.P. CULVERT 15.15 MI. 15.27 MI. 15.30 MI. | UMAUMA BRIDGE 15.74 MI. 15.79 MI. | KAUNIHO ROAD 16.02 MI. | 16.42 MI. | 16.74 MI. | OPEA BRIDGE 17.61 MI. | NANUE BRIDGE PAVED ROAD 17.74 MI. 17.91 MI. | PAVED ROAD 17.98 MI. | WAIKAUMALO BR. 18.37 MI. | ROAD TO PARK 18.57 MI. | WAIKOLU BRIDGE 18.74 MI. 18.80 MI. | NINOLE BRIDGE 19.16 MI. | PAVED ROAD 19.40 MI. | MANOLOA BR. 19.52 MI. | ROAD 19.73 MI. 19.74 MI. 19.87 MI. | 20.00 MI.

HAWAII BELT ROAD

CONTINUED ON SHEET #4

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 — ALL METAL ON METAL; (2) WOOD ON CONCRETE

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

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

HPMS

10 11 12 13 14 15 16 17 18 19 20

(2′–4′ AC) 10′ GRV. | (2′ GRV.) 2′–8′ AC 10.89 | 6′–12′ GRV. 11.63 | 5′–8′ AC 11.87 | A–2 12.04 | 4′–6′ DIRT | 5′ AC

12′ AC | 24′ AC 28′ AC 11.27 | 24′ AC 11.98 | 36′ AC | 24′ AC

0 | 8′ GRV. 10.65 | 4′–15′ GRASS 11.37 | 6′ GRV. 11.53 | 5′–12′ GRS. 11.98 | 7′ AC | 0

0′–10′ PAINTED MEDIAN 10.31 | (12′ PAINT) 12.39 | 12.46

0 | 0

12′ AC | 24′ AC

8′–18′ GRV. | 7′ AC

6′ AC

6′ AC

6′ AC

2–12′

2–11 10.46 | 2–14′ 11.21 | 2–12′

10.02 | 10.26 | 10.15 | 10.15 | 10.04 | TRUCK CLIMBING LANE – 12′ 11.98 | 12.36

(6′ AC GUTTER) 11.88 11.96 | (2) 12.04 | 12.40 12.46 | 12.74 | 13.06 | 13.84 13.87 | 14.09 14.14 | 14.32 | 14.69 14.70 14.76 | 15.72 15.76 | 16.27 16.31 16.32 16.37 16.40 16.45 | 17.27 17.33 17.57 17.62 17.68 17.83 17.92 | 18.31 18.32 18.36 | 18.72 18.77 18.85 18.87 18.92 18.95 | 19.31 19.32 19.39 | 19.65 19.74 19.87 19.92 19.98 | 20.04

RURAL

ROLLING

55 MPH (2) – MINIMUM 40 MPH | 45 MPH (1) 17.18 17.48 | (55 MPH (2) 40 MPH MINIMUM) 17.72 | 45 MPH (2) 18.36 18.56 | (55 MPH (2) 40 MPH MINIMUM) | 55 MPH (2) 19.68

PRINCIPAL ARTERIAL

NHS

(19J–03–85M (R) 1985) | TRUCK CLIMB LANES 11.45 | 19J–02–75, U–2, 1982 12.08 | 19J–01–87M (R) 1987 11.81 | 19J–02–85, 1987 11.21 | 12.45 | 19J–01–88M, (R), 1988 | (19H–01–70, (R), 1971) 14.05 | (19H–01–70, 1971, (R)) 13.97 | 14.06 | (19J–02–87M, (R), 1987 14.37 | STP–0100(31), 1994 14.98 | (F–FR–019–2(2), RESURFACE, 1983) 14.70 | 15.22 | STP–019–2(36), (R), 1998 | (19H–01–87M, (R), 1987) | (19H–02–87M (R), 1987) | 19J–01–78M, RESURFACE, 1978 | (19H–01–70, (R), 1971) | 19H–01–70, RESURFACE, 1971 | F–FR–019–2(2), RESURFACE, 1983 19.41 | .43 | .65 | 19.77 | (19GHJ–01–76M, (R), 1976) | 19H–01–70, (R), 1971 19.41

10.33 | FA–F14B(1), 1949 10.74 | SDR–3(2), 1951 | (SDR–3(10), 1955) 13.97 | 14.07 | SDR–3(12), 1950 14.99 | SDR–3(13), 1950 | 18.09 | SDR–3(14), 1950 | 19.00 | SDR–3(3), 1948 19.35 | SDR–3(15), 1950

198 + 00 | 0 + 00 | (170 + 68.16) | 65 + 00 | 17 + 00 | 0 + 48.83 | 48 + 27.47 | 0 + 00 | 64 + 26 | 49 + 00

70 + 58.63 | 82 + 26

SCALE: (In Miles) 2" = 1 mile

ROAD INVENTORY

HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

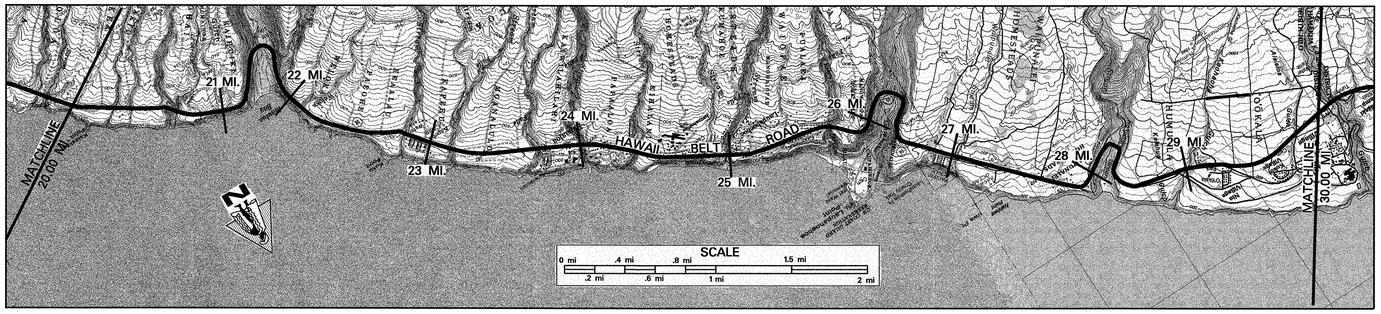
Total Route Length: 99.59 miles

a. Survey Length: 99.59 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

ADT Sections; ADT; Traffic Count and Truck Weight Stations

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)

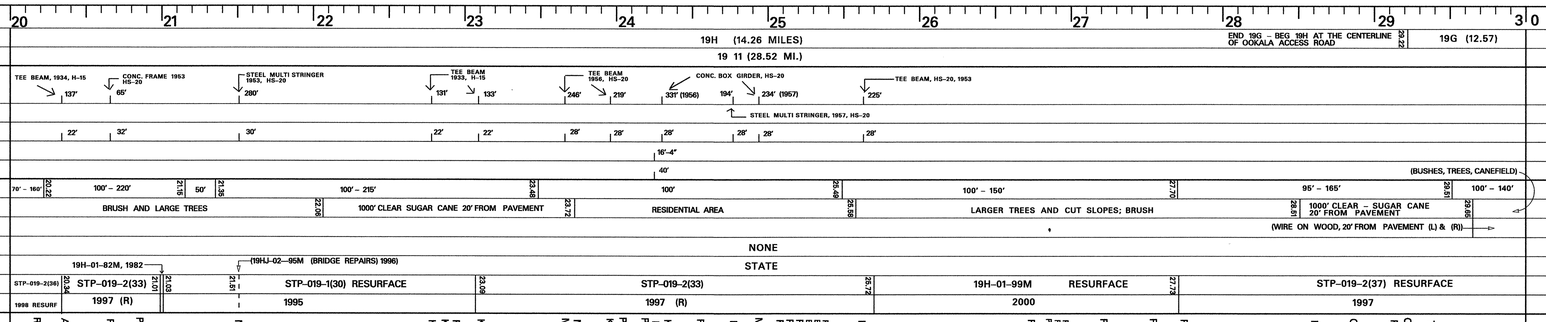
Right of Way Fence: Type – Right and Left

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

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

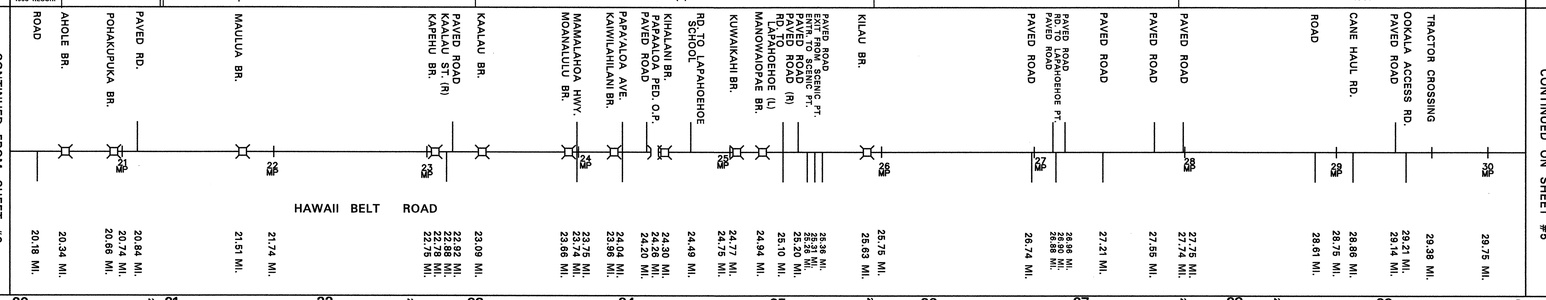
Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed



Road Diagram

* MP = Milepost Signage



Divided Highway — Undivided — Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Median: Width and Type

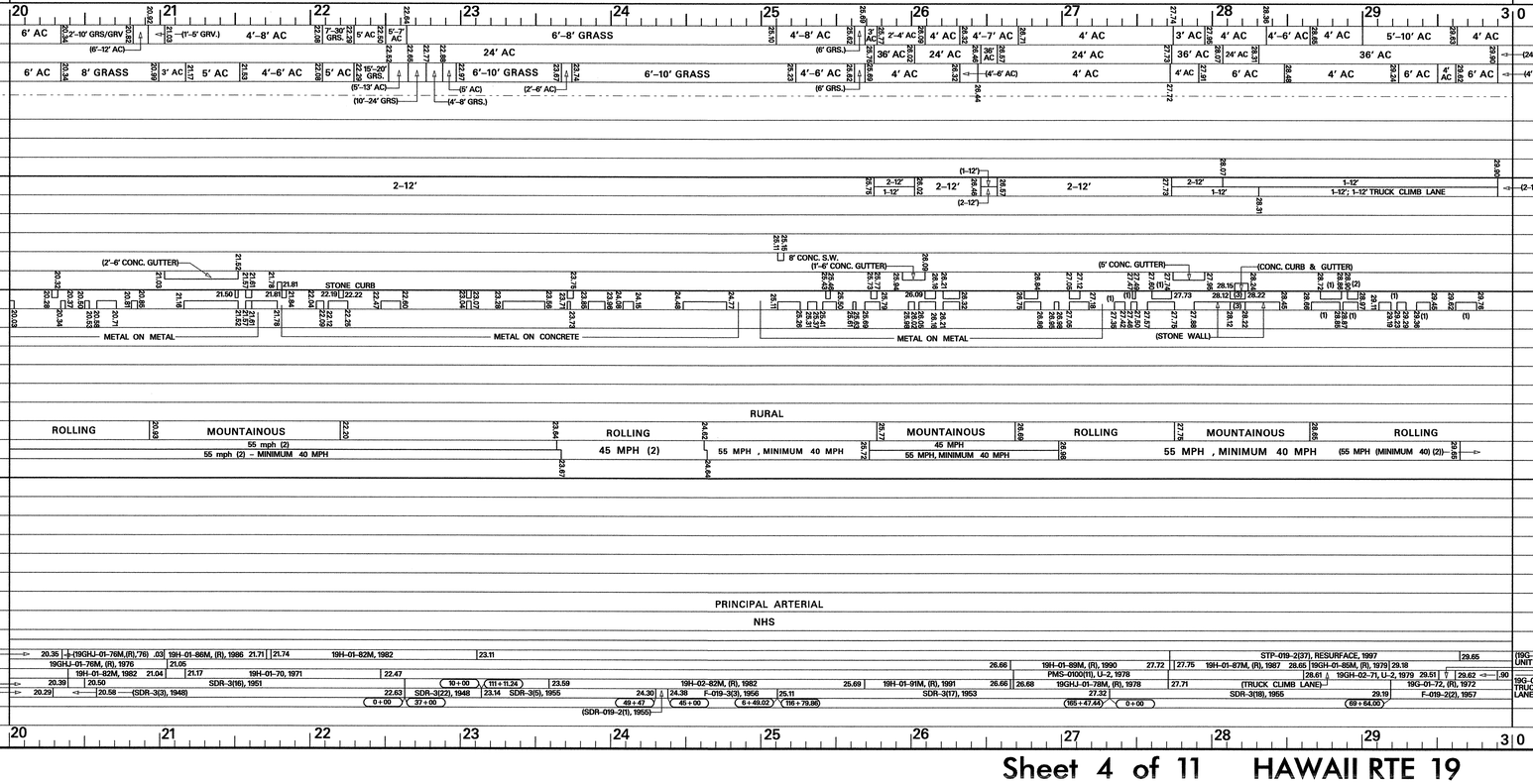
Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

SCALE: (In Miles) 2" = 1 mile



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 (1) METAL ON METAL (2) WOOD ON CONCRETE (3) METAL ON CONCRETE

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

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

HPMS

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.
Revised

ROAD INVENTORY

HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

IN COOPERATION WITH THE
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FEDERAL HIGHWAY ADMINISTRATION

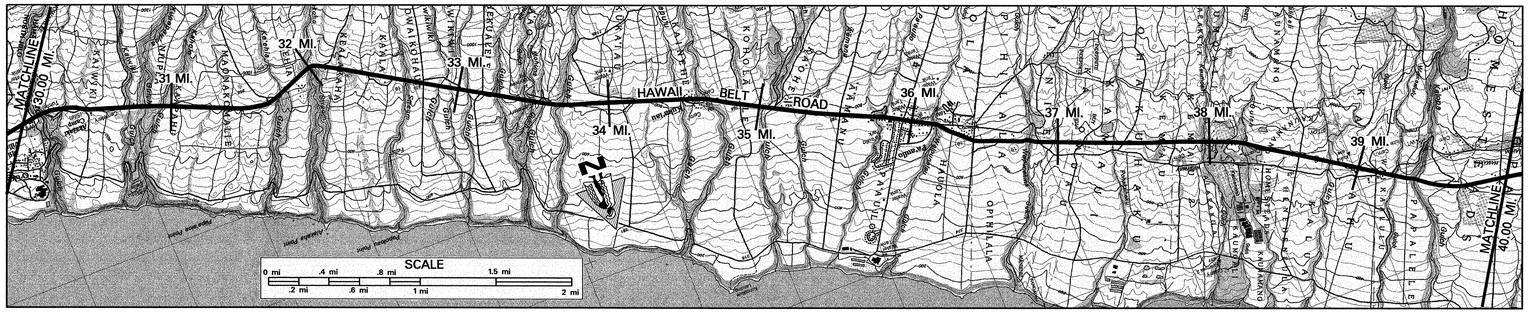
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

30 31 32 33 34 35 36 37 38 39 40

Maintenance Control Sections : Length and Description — 19G (12.57 MILES)

ADT Sections; ADT; Traffic Count and Truck Weight Stations — 19 11 (28.52 MI.)

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

CONC. BOX GIRDER 1959, HS-20 | 356' | CONC. MASONRY ARCH 1935, H-15 WIDEN IN 2005 HL-93 | 353' | 229' | TEE BEAM 1935, H-15 | 487' | 215' | 77' | STEEL MULTISTRINGER 1951, H-20 | 43' | 381' | PRESTRESSED CONC. GIRDER, 1985, HS-20 - 44 (BOTH BRIDGES) | 151' | 253' | TEE BEAM, 1938, H-15 | 40' | PRESTRESSED CONC. GIRDER 1982, HS-20-44 | 168' | PRESTRESSED T - BEAM 1981, HS-20-44 | 242' | CONC. BOX GIRDER 1959, HS-20 | 190' | TEE BEAM 1959, HS-20 | 85' | CONC. BOX GIRDER 1959, HS-20 | 331'

Structure Carrying Road — Vertical Clearance

Structure Carrying Road — Horizontal Clearance — 28' | 40' | 22' | 22' | 22' | 22' | 29' | 29' | 48' | 48' | 24' | 48' | 24' | 28' | 28' | 28'

Structure Over Road — Vertical Clearance — 21' 01" | 16' 02"

Structure Over Road — Horizontal Clearance — 42' | 46'

Right of Way Width (min.–max.) if varies — 100' – 140' (30.88) | 70' – 95' (32.83) | 100' – 200' (33.84) | 70' – 100' (28.87) | 100' – 150' (28.77) | 100' – 270'

Available Right of Way Width (Needs Study) — BUSHES, TREES, CANEFIELD (30.71) — 1000' CLEAR, PASTURE GRASSLAND WITH SMALL TREES 20' FROM PAVEMENT

Right of Way Fence: Type – Right and Left — WIRE ON WOOD 20' FROM PAVEMENT LEFT AND RIGHT

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 — BR-019-2(38), BRIDGE WIDENING, 2005 — (STP-0100(31) GUARDRAIL IMPROVEMENTS 1994) — 19GHJ-01-78M PMS-0100 (11) 1978 — 19G-01-90M (R) 1990 — SDR-3(11) 1950 — 19GHJ-01-78M PMS-0100(11) 1978 — BRF-019-2(18) — BRF-019-2(14), 1981 — (STP-0100(31) GUARDRAIL IMPROVEMENTS 1994) (CONTINUED)

278 + 4.20 — 30.69 — 069 + 10.79 — 30.86 — 30.24

Project No., Type of Construction, and Year Constructed — STP-019-2(37) RESURFACE 1997 — 19G-01-86M 1986 (R) — 19G-01-90M (R) 1990 — BRF-019-2(20) (BR. REPLACEMENT) — 19G-01-90M (R) 1990 — 19G-01-90M (R) 1990 — 19G-01-90M (R) 1990 — 19G-01-99M RESURFACE 2000

32.75 — 33.86 — 34.42 — 34.94 — 35.01 — 35.27 — 35.35 — 35.74

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUE FROM SHEET #4

Kaula Bridge — Ookala Plant. O.P. — Paved Road — Mamalahoa Hwy — Kupapaulua Bridge — Kahoiolo Bridge — HAWAII BELT ROAD — Kealakaha Bridge — Kaala Bridge — Culvert — Kekuiahie Bridge — Kukalau Bridge — Culvert — Mohuna Bridge — Paved Road — Paved Road — Kalapehapehu Bridge — Kainehe Bridge — Road — Tractor Xing — Kawaili Bridge — Kaohe Road — Aamanu Bridge — Paved Road — East Paaulio Bridge — Paved Road — Paaulio Ped. Overpass — Mamalahoa Highway — Paved Road — Hauola Road — Pohakea Road — Plantation Road — Mamalahoa Highway — Weipunahihe Bridge — Road — Kaumaalii Bridge — Unnamed Road — Paved Road — Kalopa Road — Kalopa Bridge — Kalopa Road — Pepe Le Le Drive — Papauele Drive — Paved Road

278 + 34.29 — MP 29 — MP 30 — MP 31 — MP 32 — MP 33 — MP 34 — MP 35 — MP 36 — MP 37 — MP 38 — MP 39 — MP 40

30.05 mi. 30.02 mi. | 30.39 mi. 30.33 mi. | 30.74 mi. | 30.88 mi. | 31.67 mi. 31.75 mi. | 31.92 mi. | 32.58 mi. | 32.75 mi. 32.82 mi. | 33.00 mi. | 33.44 mi. 33.51 mi. 33.60 mi. | 33.75 mi. | 34.10 mi. 34.12 mi. | 34.41 mi. 34.46 mi. 34.56 mi. | 34.74 mi. | 34.98 mi. 35.03 mi. 35.05 mi. | 35.25 mi. 35.30 mi. | 35.48 mi. | 35.70 mi. 35.75 mi. 35.83 mi. 35.89 mi. | 36.08 mi. 36.08 mi. 36.16 mi. | 36.40 mi. | 36.54 mi. | 36.74 mi. 36.82 mi. 36.93 mi. | 37.75 mi. 37.79 mi. 37.90 mi. | 38.55 mi. | 38.75 mi. | 39.08 mi. 39.18 mi. | 39.30 mi. | 39.54 mi. 39.59 mi. 39.76 mi. | 39.90 mi.

CONTINUE ON SHEET #6

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided — Shoulder: Width and Type — 4' AC | 5' – 7' AC | 4' AC | 6' BP | 10' GRV | 6'–12' GRS | 3'–7' BP | 8'–12' GRS | 10' AC | 24' AC | 8'–10' GRASS | 10' AC | 8'–10' GRASS | 6'–10' BP | 4' AC | 6' AC | 4' AC | 10' AC | 4' AC | 10'–12' AC | 4' AC | 6' – 18' AC | 4' AC

Divided Highway — Undivided — Pavement: Width and Type

Divided Highway — Undivided — Shoulder: Width and Type — 4' AC | 4' AC | 8'–10' GRASS | 10' AC | 6'–12' GRASS | 10' AC | 8'–10' GRASS | 4' AC | 5' AC | 4' AC | 10'–30' AC | 4' AC | 8' – 14' AC | 4' AC

Divided Highway — Median: Width and Type — 4' AC | 6'–8' GRASS | 6'–8' GRV

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 — 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)

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

Protective Devices: Type, Location and Number (1) METAL RAIL ON METAL POST (2) WOOD RAILS ON CONCRETE POSTS

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

Speed: 1–Design, 2–Posted — 55 MPH POSTED (MINIMUM 40 MPH) | 45 MPH (POSTED) | (L) 55 MPH POSTED (MINIMUM 40 MPH) (R) 55 MPH POSTED

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification — PRINCIPAL ARTERIAL

National Highway System (NHS) — N H S

Previous Projects: Project No., Date and Limits — 19G-01-88M (R), 1988 — 19GHJ-01-78M PMS-0100(11) 1978 — 19G-01-86M 1986 (R) — BRF-019-2(20) BR. REPLACEMENT — BRF-019-2(18) 1982 — BRF-019-2(14) 1981 — 19GHJ-01-78M PMS-0100(11) 1978 — 19G-02-88M (R) 1988

19G-01-72 1972 — 19GHJ-01-86M 1986 (R) — 19GHJ-01-76M (R), 1976 — 19GHJ-01-78M PMS-0100(11) 1978 — 19GHJ-01-78M PMS-0100(11) 1978 — (19G-01-74 1974)

F-019-2(2) 1957 — 283 + 50 — 0 + 00 — SDR 3(6) 1948 — 154 + 25 — 67 + 31.97 — SDR 3(11) 1950 — 0 + 00 — 97 + 50 — SDR 3 (6) 1948 — 0 + 00 — 857 + 26.79 — DF-019-2(5) 1958 — F-019-2(6) 1958 — 191 + 00

HPMS

SCALE: (In Miles) 2" = 1 mile

30 31 32 33 34 35 36 37 38 39 40

Date Released
Feb 2006, D.B.
Revised	
5/06	G.N.

ROAD INVENTORY

HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

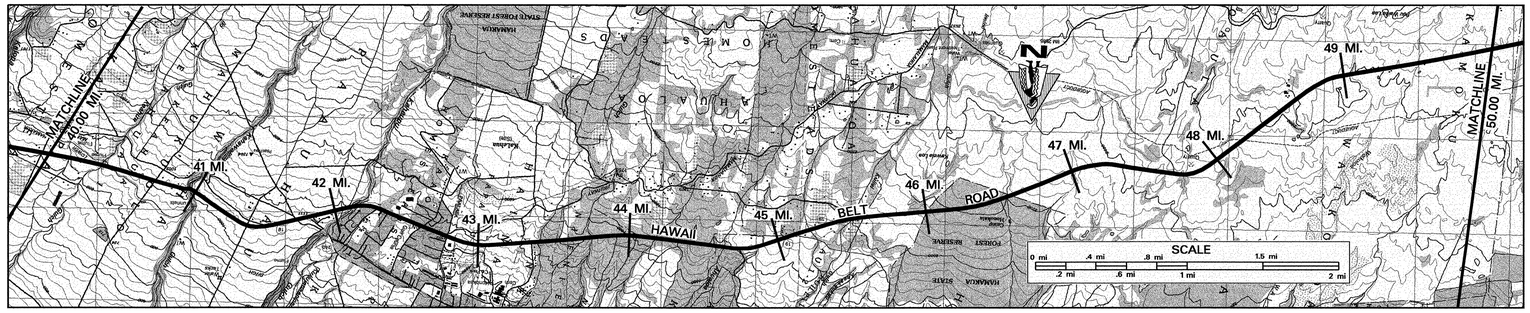
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50

Maintenance Control Sections : Length and Description

19G (12.57 MILES) | END 19F & BEGIN 19G ON MAMALAHOA HIGHWAY AT THE CENTERLINE INTERSECTION WITH MAMANE ST. | 19F (10.05 MILES)

ADT Sections; ADT; Traffic Count and Truck Weight Stations

19 11 (28.52 MI.) | 19 12 (1.53 MI.) | 19 13 (8.52 MI.)

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

CONC. BOX GIRDER 1959 HS–20 217' | TWIN BOX CULVERT 1953 HS–20 27' | CONC. BOX GIRDER 1963 HS–20 166'

Structure Carrying Road — Vertical Clearance

Structure Carrying Road — Horizontal Clearance

28' | 36' | 28'

Structure Over Road — Vertical Clearance

Structure Over Road — Horizontal Clearance

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

VARIES 100' – 270' | VARIES 100' – 180' | VARIES 80' – 185'

Available Right of Way Width (Needs Study)

CLEAR 1000' PASTURE GRASSLAND WITH SMALL TREES 20' FROM EDGE OF PAVEMENT (CLEAR 1000' GRASS & SMALL TREES)

Right of Way Fence: Type – Right and Left

WIRE ON WOOD 20' FROM EDGE OF PAVEMENT LEFT AND RIGHT

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

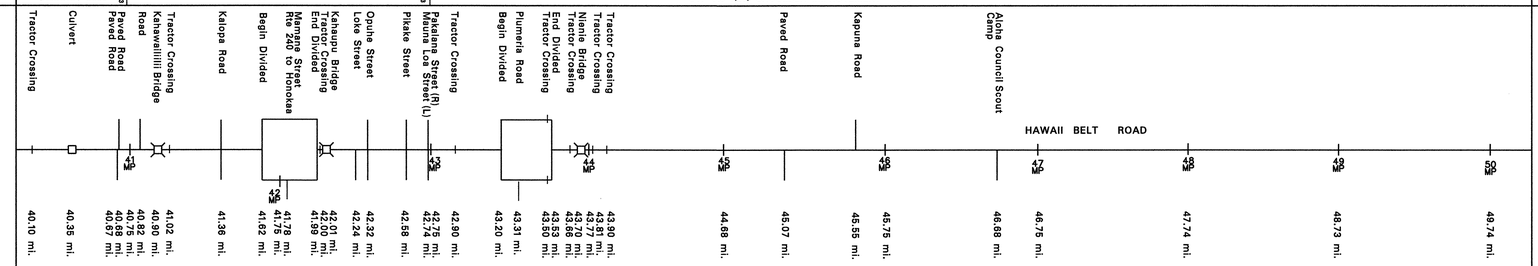
19G–01–99M (RESURF) 2000 | STP–019–1(17) RESURF. 1996 | 19F–01–97M RESURF. 1999 | STP–019–1(25) SHOULDER IMPROVEMENT 1998

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUE FROM SHEET #5



CONTINUE ON SHEET #7

SCALE: (In Miles) 2" = 1 mile

40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50

Divided Highway — Undivided — Shoulder: Width and Type

4' AC | 8'–26' AC | 6' – 8' AC | 4'–6' AC | 6' – 8' AC | 4'–6' AC | 6' AC

Divided Highway — Undivided — Pavement: Width and Type

24' AC | 14' AC | 24' AC | 12' AC | 24' AC

Divided Highway — Undivided — Shoulder: Width and Type

4' AC | 10'–16' AC | 6' – 8' AC | 4'–6' AC | 0 | 4'–6' AC | 6' AC | 0 | 6' AC

Divided Highway — Median: Width and Type

0'–16' PAINTED AC | 12' PAINTED AC

Divided Highway — Median Barriers:

Divided Highway — Shoulder: Width and Type

0 | 0

Divided Highway — Pavement: Width and Type

14' AC | 12' AC

Divided Highway — Shoulder: Width and Type

6' – 8' AC | 6' AC

Number of Traffic Lanes

2–12' | 2–14' | 2–12'

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

1–13' ACEL | 1–13' (L) T.L. | 1–12' (L) T.L.

(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

METAL ON METAL | METAL RAILS ON CONCRETE POST

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:

R U R A L

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

ROLLING

Speed: 1–Design, 2–Posted

55 MPH (MIN. 40 MPH) (2) 55 MPH (2) | 55 MPH (MIN. 40 MPH) (2) | 45 MPH (2) | 55 MPH (MIN. 40 MPH) (2) 55 MPH (2) | 45 MPH (MIN. 40 MPH) (2) 55 MPH (MIN. 40 MPH) (2)

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification

PRINCIPLE ARTERIAL

National Highway System (NHS)

N H S

Previous Projects: Project No., Date and Limits

STP–019–1(17) RESURF. 1996 | STP–0100(31), GUARDRAIL IMPROVEMENT 1994 | 19EF–01–89M (RESURF) 1990 | 19G–02–88M RESURF. | 19FG–01–81M RESURF. 1982 | 19F–01–78M 1978 (R) | F–019–1(5) 1986 Inter. Impr. | 19G–01–74 1974 | SDR 3(7) 1952 & 1953 | F–019–2(6) 1958 | F–019–1(1), UNIT 2 1961 | F–019–1(1), UNIT 2 1961

HPMS

SCALE: (In Miles) 2" = 1 mile

40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50

Date Released
Feb 2006, D.B.

Revised	
G.N.	4 / 06

ROAD INVENTORY

HAWAII RTE 19

KAWAIHAE RD., MAMALAHOA HWY, HAWAII BELT ROAD, LINDSAY RD.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

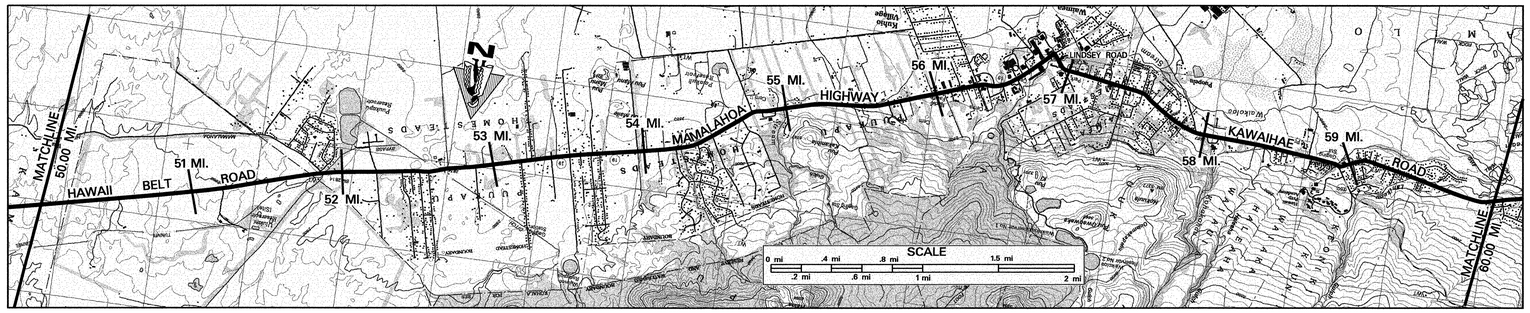
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

50 51 52 53 54 55 56 57 58 59 60

Maintenance Control Sections : Length and Description

19 F (10.05 MI.) | END 19E, BEGIN 19F AT THE ℄ CENTERLINE OF MUD LANE ℄ | 19E (0.22) | BEGIN 19E AT THE ℄ END STATE HWY SIGN | COUNTY | END 19D AT THE END OF STATE HWY SIGN | 19D (8.92 MILES)

ADT Sections; ADT; Traffic Count and Truck Weight Stations

19 13 (8.52 MI.) | 19 14 (4.42 MI.) | 19 15 (0.58 MI.) | 19 16 (0.89 MI.) | 19 17 (1.19 MI.) | 19 18 (0.53 MI.) | 19 19 (7.37 MI.)

Structure Carrying Road

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

SLAB 1988 HS-20 | SLAB 1932 H-15

Vertical Clearance 36' | 38'

Horizontal Clearance 44' | 24'

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies 80' VARIES TO 185' | 60'

Available Right of Way Width (Needs Study) CLEAR 1000' GRASS AND SMALL TREES | RESIDENTIAL AREA | CLEAR 1000'

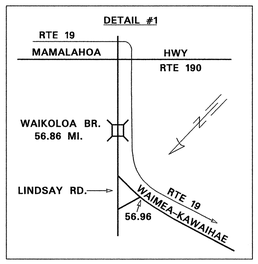
Right of Way Fence: Type – Right and Left WIRE ON WOOD 20' FROM EDGE OF PAVEMENT LEFT AND RIGHT

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 | STATE

Project No., Type of Construction, and Year Constructed 19F–01–97M (RESURF) 1999 | STP-019-1(24) RESURF IMPR (SEE ALSO RTE 190) 2000 | STP-0100(42) COUNTY RESURF IMPR 2000 | RS-0250(05) COUNTY (RESURF) 1986 | 19D–01–91M (RESURF) 1992 | 19D–01–96M RESURF 1998

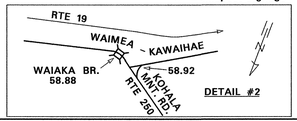
Project No., Type of Construction, and Year Constructed STP-019-1(25) 1998 SHLDR IMPR | 19EF–01–89M (RESURF) 1990 | WDR 2(1) 1947



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage



CONTINUE FROM SHEET #6

Ranch Road | Meadows | Hawaii Belt Road | Begin Divided | Golf Courses | Road to Waimea C.C. | End Divided | Culvert | Mud Lane (R) Mamalahoa Hwy (L) | End State Hwy Sign | Kawaihae Street (R) Kawaihae Street (L) | Ironwood Lane | Puahuanu Place | Nonohole Street | Nonohole Street | Road to U.H. Exp. Station | Kaiakea Street | Nani Waimea Street | Kaiakea Street | Kipahele Street (L) Hohoa Street (R) | Culvert | Hohoia Drive | Culvert | Iokua Place | Puainani Street | End Divided Hwy. Culvert end Paved Road | Mohiolo Drive | Begin Divided | Kakamilha Road | Road | Alaakiuiwa Road | Iona Court | Waikekehua Place | Begin Divided Kinohou Street | Paved Road Kaammuiu Street | Lindsey Road Center Turnlane Mod. | Pukalani Road SEE DETAIL #1 | Waiakoa Bridge (Route 190) | Lindsey Road | Paved Road | Opulo Road | Kapena Road | Kohanaiki Road | Puu Opaiu Road | Laeloa Road | Begin State Hwy Sign | Private Road Road to Ka Ulu Street | Paved Road Road to State Baseyard | SEE DETAIL #2 | Waiaka Bridge (Route 190) | Kohala Mountain Road | Waiaka Bridge | Akuloni Street

HAWAII BELT ROAD | MAMALAHOA HIGHWAY | LINDSEY ROAD | KAWAIHAE ROAD

51 MP | 52 MP | 53 MP | 54 MP | 55 MP | 56 MP | 58 MP | 59 MP | 60 MP

50.48 mi. | 50.71 mi. | 51.03 mi. | 51.17 mi. | 51.26 mi. | 51.28 mi. | 51.47 mi. | 51.74 mi. | 51.82 mi. | 52.07mi. | 52.19 mi. | 52.26 mi. | 52.36 mi. | 52.41 mi. | 52.47 mi. | 52.53 mi. | 52.76 mi. | 52.84 mi. | 53.03 mi. | 53.16 mi. | 53.23 mi. | 53.49 mi. | 53.62 mi. | 53.68 mi. | 53.75 mi. | 54.06 mi. | 54.19 mi. | 54.23 mi. | 54.31 mi. | 54.41 mi. | 54.73 mi. | 54.75 mi. | 54.86 mi. | 55.23 mi. | 55.41 mi. | 55.67 mi. | 55.76 mi. | 55.88 mi. | 56.14 mi. | 56.17 mi. | 56.25 mi. | 56.31 mi. | 56.32 mi. | 56.50 mi. | 56.61 mi. | 56.63 mi. | 56.85 mi. | 57.24 mi. | 57.36 mi. | 57.48 mi. | 57.60 mi. | 57.71 mi. | 57.77 mi. | 57.88 mi. | 58.19 mi. | 58.24 mi. | 58.36 mi. | 58.57 mi. | 58.72 mi. | 58.77 mi. | 58.82 mi. | 58.88 mi. | 58.92 mi. | 59.38 mi. | 59.78 mi.

CONTINUE ON SHEET #8

SCALE: (In Miles) 2" = 1 mile

50 51 52 53 54 55 56 57 58 59 60

Divided Highway – Undivided

Shoulder: Width and Type 6' AC | 12' – 24' GRASS | 10' AC 20' GRASS | 10'AC 6' AC | 12' – 22' GRASS | 4' AC

Pavement: Width and Type 24' AC | 12' AC | 24' AC | 22' AC | 20' AC | 10' AC | 20' AC | 11' AC | 2" AC | 1" AC | 20' AC | 24' AC | 22' AC | 20' AC | 2" AC | 1" AC | 24' AC

Shoulder: Width and Type 6' AC | 0 | 6' AC | 7' – 15' GRASS | 4' – 10' GRASS | 0 | 12'–24' GRASS | 0 | 3" AC | 0 | 10'AC 6' AC | 4' AC | 14" GRV | 12' – 22' GRASS | 4' AC

Median: Width and Type 6" – 12" PAINTED AC | 4'–10' DIRT | 4'–6" DIRT | 12'–24' GRASS | 2" PAINT | 2" CONC. CURB | 2" PAINT | 6"–10" RAISED CONC

Median Barriers: 12' PAINTED AC

Shoulder: Width and Type 0 | 0 | 0 | 0 | 0

Pavement: Width and Type 12' AC | 12' AC | 11' AC | 4'–8" AC | 8' AC

Shoulder: Width and Type 6' AC | 0

Number of Traffic Lanes 2 – 12' | 2–11' | 2 – 10' | 2–11' | 4–11' | 2–10' | 2–12' | 2–11' | 2–10' | 2–10' | 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) 14' ACCEL LN. | 14' T.L.

(Right Side)

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

Sidewalk: Width and Type (Right and Left) 4' | 5' 5' 8' | CONCRETE SIDEWALKS

Curb and/or Gutter: Type (Right and Left) 2' P.C. CONC GUTTER WITH P.C. CONC CURB

Protective Devices: Type, Location and Number METAL RAILS ON METAL POSTS

Illumination: Type, Location and Number 17 MV IN 2.85 MILES

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 | URBAN

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

Speed: 1–Design, 2–Posted 45 MPH (MIN 40 MPH) (2) 55 MPH (MIN 40 MPH) (2) | 45 MPH (2) | 35 mph (2) | 25 MPH (2) | 35 MPH (2) | 45 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing 2 PHASE TRAFFIC LIGHT

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification PRINCIPAL ARTERIAL

National Highway System (NHS) N H S

Previous Projects: Project No., Date and Limits

19EF–01–89M RESURF 1990 | HES-0100(28) PHASE 2 SAFETY IMPRV 1987 | (19D-01-90M (R) 1991)

19F–02–78 SHLDR STABILIZATION | 19D–01–91M (R) 1992 | 19D–01–82M 1982

19F–01–78M RESURF 1978 | WDR 2(1) 1947 | RS-0250(05) COUNTY RESURFACE 1986 | 19D–01–72 (R) 1972

F–019–1(1), UNIT 2 1961 | 390+00 | HES-0100(26) CURVE IMPRV. COUNTY 1986 | WDRC 12(1) 1947 | 829+50.00 | FAP E-11A 1933 | 1+77.90 | NRH 11C 1933 | 504+77.30

HPMS

SCALE: (In Miles) 2" = 1 mile

50 51 52 53 54 55 56 57 58 59 60

Date Released
Feb 2006, D.B.
Revised
G.N. 4 / 06

ROAD INVENTORY

HAWAII RTE 19

QUEEN KAAHUMANU HWY, KAWAIHAE RD.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

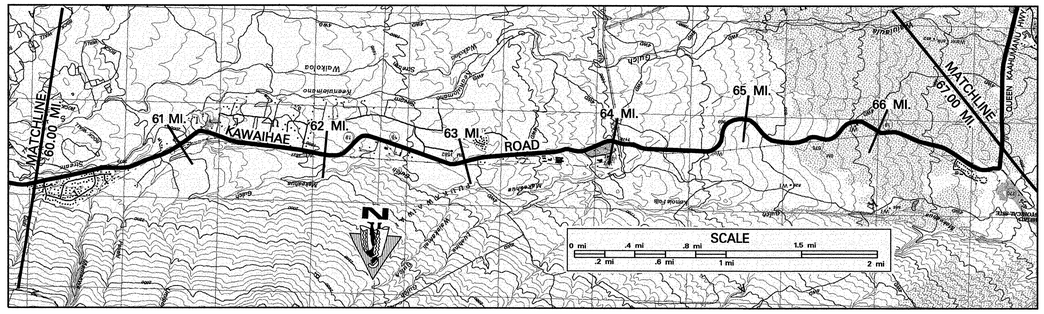
Total Route Length: 99.59 miles

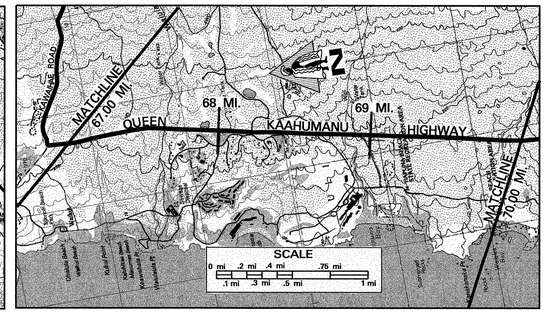
a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*





SCALE: (In Miles) 2" = 1 mile

60 61 62 63 64 65 66 67 68 69 70

Maintenance Control Sections : Length and Description

19D (8.92 MILES) | END 19C – BEGIN 19D ON QUEEN KAAHUMANU HWY AT CENTERLINE OF KAWAIHAE-MAHUKONA ROAD | 19C (15.04 MILES)

ADT Sections; ADT; Traffic Count and Truck Weight Stations

19 19 (7.37 MI.) | 19 20 (7.97 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: 60′ | 80′ – 145′ | 340′ – 420′

Available Right of Way Width (Needs Study): 1000′ CLEAR – GRASS, BUSHES AND SMALL TREES | (CLEAR 1000′ – GRASS, BUSHES, & LAVA ROCK 8'-10' FROM EDGE OF PAVEMENT)

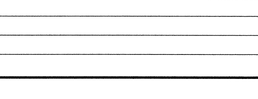
Right of Way Fence: Type – Right and Left: WIRE ON WOOD 20' FROM EDGE OF PAVEMENT / WIRE ON WOOD 20' FROM EDGE OF PAVEMENT

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE | COUNTY TO STATE, PHASE 2 | STATE

Project No., Type of Construction, and Year Constructed: 19D–01–96M RESURFACE 1998 | 19D–01–90M RESURF 1991 | HES-0100(28) PHASE 2 SAFETY IMPROV 1987 | 19D–01–90M RESURF 1991 | HES–0100(27) SAFE. IMP. 1986 | HES–0100(28) PHASE 2 SAFETY IMPROV 1987 | 19D–01–72 (R) 1972 | 19D–01–90M RESURF 1991 | 19C–01–78 1978 SHLDR. STAB. | 19C–01–76M RESURF 1977 | 19C–01–78 1978 SHLDR. STAB. | 19C–01–94M 1994 SHLDR IMPROV

Project No., Type of Construction, and Year Constructed: 19D–01–97M RESURFACE 1999



DETAIL

Road Diagram

* MP = Milepost Signage

CONTINUE FROM SHEET #7

Ohina Street 60.02 mi. | Mahua Street 60.38 mi. | Paved Driveway 60.58 mi. | Electric Power Sub-Station 60.75 mi. | 59 MP 60.91 mi. | Quil Street 61.58 mi. | Kanehoa Street 62 MP 61.81 mi. 61.77 mi. | Kahinu Place 62.36 mi. | Anekona Street 63 MP 62.77 mi. 62.67 mi. | Welula Drive 63.24 mi. | Waiemi Place 64 MP 63.83 mi. 63.75 mi. | Tractor Crossing 64.30 mi. | 65 MP 64.77 mi. | Entrance to Water Supply Tank 65.77 mi. | Hulukupuna Street 66.50 mi. | Begin Divided 66.70 mi. 66.71 mi. | SEE DETAIL Kawaihae Road and Rte 270 End Divided 66.76 mi. | Culvert 67.10 mi. | Culvert 67.21 mi. | Begin Divided 67.85 mi. 67.81 mi. | Mauna Kea Beach Hotel Road 67.95 mi. | Keauna 'Oia Drive Hotel and Golf Xing 68.16 mi. | End Divided 68.31 mi. | Kea Kea Lani Bridge 68.57 mi. | Begin Divided 68.74 mi. | Hapuna Bay Drive 68.93 mi. | End Divided 69.20 mi. | 70 MP 69.77 mi.

KAWAIHAE ROAD — QUEEN KAAHUMANU HIGHWAY

CONTINUE ON SHEET #9

SCALE: (In Miles) 2" = 1 mile

60 61 62 63 64 65 66 67 68 69 70

Divided Highway – Undivided

Shoulder: Width and Type: (22' AC) | 4' AC | 4'–14' AC | 4' AC | 4' AC | 10' GRV | 6' AC / 4' SEAL COAT

Pavement: Width and Type: 24' AC | 24' AC | 22' AC | 24' AC | 22' AC | 24' AC | 22' AC | 24' AC | 22' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC

Shoulder: Width and Type: 4' AC | 4'–12' AC | 4' AC | 4'–10' AC | 4' AC | 0 | 6' AC/4' SEAL COAT | 0 | 6'AC/4' SEAL COAT

Divided Highway

Median: Width and Type: 19' PAINT | 0 – 11' PAINTED MEDIAN | 0 – 11' PAINTED MEDIAN

Median Barriers:

Divided Highway – Undivided

Shoulder: Width and Type: 0 | 0

Pavement: Width and Type: 12' AC | 12' AC

Shoulder: Width and Type: 2 – 11' | 10' GRV | 6' AC/4' SEAL COAT

Number of Traffic Lanes: 2 – 12' | 2 – 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)

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

Protective Devices: Type, Location and Number: ALL METAL ON CONCRETE UNLESS INDICATED

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 | RURAL

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

Speed: 1–Design, 2–Posted: 45 MPH (2) | 55 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification: PRINCIPLE ARTERIAL

National Highway System (NHS): NHS

Previous Projects: Project No., Date and Limits: 19D–01–90M (R) 1991 | 19D–01–72 RESURFACE 1972 | 19C–01–76M RESURF 1977 | 19BC–01–71 1974 GRADING 1975 PAVING

NRH–11C 1933 | FAP 11–8 1933 | G–3257–01–60 1962

HPMS

SCALE: (In Miles) 2" = 1 mile

60 61 62 63 64 65 66 67 68 69 70

Date Released
Feb 2006, D.B.
Revised
G.N.	4 / 06

ROAD INVENTORY

HAWAII RTE 19
QUEEN KAAHUMANU HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

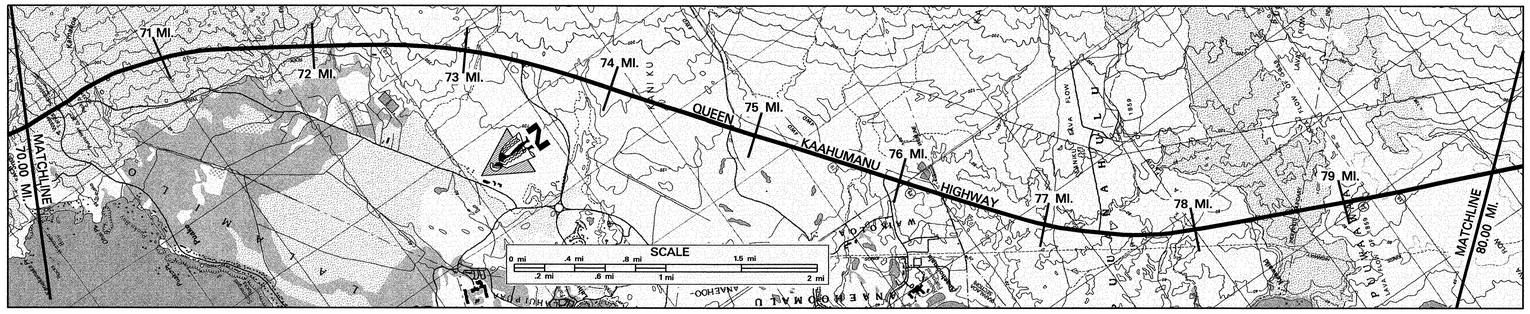
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80

Maintenance Control Sections : Length and Description

19C (15.04 MILES)

ADT Sections; ADT; Traffic Count and Truck Weight Stations

19 20 (7.97 MI.) | 19 21 (18.03 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

340' – 420' | 310' – 390'

Available Right of Way Width (Needs Study)

CLEAR 1000' – GRASS, BUSHES AND LAVA ROCK 8' – 10' FROM EDGE OF PAVEMENT | (CLEAR 1000' – LAVA ROCK 8'-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

NH–019–1(31) 2004 GUARDRAIL AND SHOULDER IMPROVEMENT

19BC–01–07 PHASE 3B GRADING AND PAVING 1975

Project No., Type of Construction, and Year Constructed

19C–01–94M 1994 SHOULDER IMPROVEMENT | 19C–01–91M 1992 SHOULDER IMPROVEMENT | STP–019–1(23) 1997 SHOULDER IMPROVEMENT

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUE FROM SHEET #8

Begin Divided — Puako Beach Drive — 70.02 mi.
End Divided — 70.17 mi.
Road — 70.45 mi.
71 MP — QUEEN — 70.77 mi.
72 MP — 70.95 mi.
Police and Fire Station Access Road — 71.77 mi.
73 MP — 72.32 mi.
Begin Divided — 72.77 mi.
Mauna Lani Drive — 73.20 mi.
End Divided — 73.34 mi.
74 MP — 73.58 mi.
Begin Divided — 73.77 mi.
Waikoloa Road — 74.50 mi.
End Divided — 74.77 mi.
75 MP — 74.78 mi.
KAAHUMANU — 74.94 mi.
Begin Divided — 75.68 mi.
Waikoloa Beach Drive/Hilton Waikoloa Village Regency Resort — 75.78 mi.
78 MP — 75.94 mi.
End Divided — 76.11 mi.
North Kona–South Kohala District Bdry — 76.17 mi.
77 MP — 76.77 mi.
Begin Divided — 77.00 mi.
Puu Pohaku Road — 77.31 mi.
End Divided — 77.52 mi.
78 MP — 77.76 mi.
HIGHWAY — Culvert — 78.46 mi.
79 MP — 78.75 mi.
80 MP — 79.78 mi.

CONTINUE ON SHEET #10

SCALE: (In Miles) 2" = 1 mile

70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80

Divided Highway — Undivided

Shoulder: Width and Type

6' AC / 4' SEAL COAT | 6' AC | 10' AC

Pavement: Width and Type

(24' AC) — 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC

Shoulder: Width and Type

(6' AC/4' SEAL COAT) — 0 | 6' AC / 4' SEAL COAT | 6' AC | 0 | 6' AC | 0 | 6' AC | 0 | 10' AC | 0 | 10' AC

Median: Width and Type

Median Barriers:

PAINTED MEDIAN 0 – 12'

Shoulder: Width and Type

0 | 0 | 0 | 0 | 0

Pavement: Width and Type

12' AC | 12' AC | 12' AC | 12' AC | 12' AC

Shoulder: Width and Type

6'AC/4'SEAL COAT | 6' AC | 6' AC | 6' AC | 10' AC

Number of Traffic Lanes

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)

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

Protective Devices: Type, Location and Number M/M = METAL RAILS ON METAL POST; M/C = METAL RAILS ON CONC. POST

Illumination: Type, Location and Number

NONE

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

55 MPH (2) | 45 MPH (1) | 55 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

3 PHASE | 3 PHASE

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification

PRINCIPLE ARTERIAL

National Highway System (NHS)

N H S

Previous Projects: Project No., Date and Limits

19BC–01–71 PHASE IIIA 1975 PAVING

G–3257–01–60 1962 (200 + 31.87) (1425 + 72.99)

19 BC–01–71 (PHASE IIIA) (GRADING) 1974 (1198 + 50)

19BC–01–71 (PHASE III B) (GRADING 1974 AND PAVING 1975) (1215 + 72.02) (1142 + 00)

HPMS

SCALE: (In Miles) 2" = 1 mile

70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80

Date Released
Feb 2006, D.B.
Revised
G.N. — MAY 2006

ROAD INVENTORY

HAWAII RTE 19
QUEEN KAAHUMANU HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

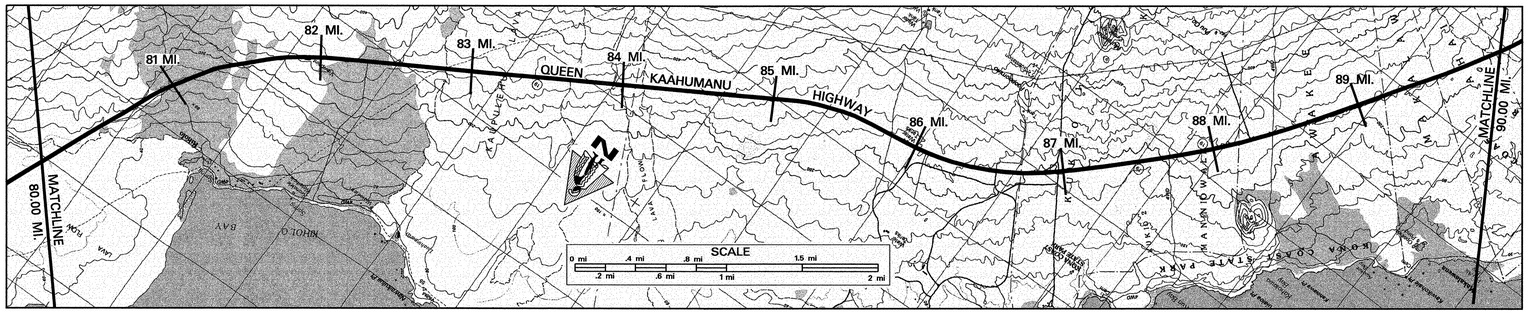
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



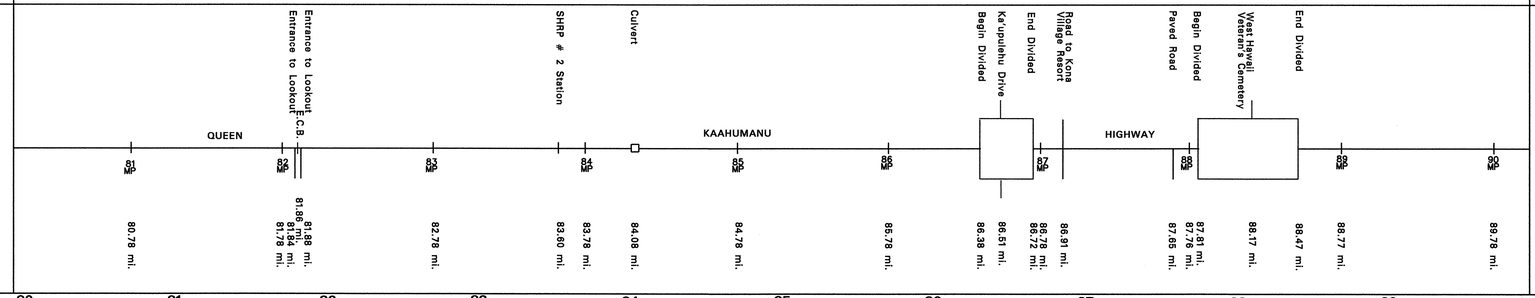
SCALE: (In Miles) 2" = 1 mile	80 81 82 83 84 85 86 87 88 89 90
Maintenance Control Sections : Length and Description	19C (15.04 MILES) | 19B (15.49 MILES)
ADT Sections; ADT; Traffic Count and Truck Weight Stations	END 19B – BEG. 19C AT KIHOLO LOOKOUT; 19 21 (18.03 MI.)
Structure Carrying Road: Bridges (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	310' – 390'
Available Right of Way Width (Needs Study)	CLEAR 1000' – LAVA ROCK 8' – 10' FROM EDGE OF PAVEMENT
Right of Way Fence: Type – Right and Left	N O N E
Control of Access: 1–None, 2–Partial, 3–Full	N O N E
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	S T A T E
Project No., Type of Construction, and Year Constructed	NH–019–1(31) GUARDRAIL AND SHOULDER IMPROVEMENT 2004
Project No., Type of Construction, and Year Constructed	STP–019–1(23) SHOULDER IMPROVEMENT 1997

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUE FROM SHEET #9



CONTINUE ON SHEET #11

SCALE: (In Miles) 2" = 1 mile	80 81 82 83 84 85 86 87 88 89 90
Divided Highway – Undivided: Shoulder: Width and Type	10' AC
Divided Highway – Undivided: Pavement: Width and Type	24' AC
Divided Highway – Undivided: Shoulder: Width and Type	10' AC
Divided Highway: Median: Width and Type	8'–14' AC | 10' AC | 6' AC/8' GRAV | 10' AC
Median Barriers:	0' – 10' PAINTED AC (86.38–86.72) | 0' – 15' PAINTED AC (87.81–88.47)
Divided Highway: Shoulder: Width and Type	0 | 0
Divided Highway: Pavement: Width and Type	8'–10' AC: 14' AC | 14' AC | 14' AC
Divided Highway: Shoulder: Width and Type	8' AC | 8'–10' AC
Number of Traffic Lanes	2 – 12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	86.55–86.69 (L 12')
(Right Side)	86.38–86.51 (R 12'); 88.27–88.37 (R 12')
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	
Curb and/or Gutter: Type (Right and Left)	
Protective Devices: Type, Location and Number (M/M = METAL RAILS ON METAL POST; M/C = METAL RAILS ON CONC. POST)	80.05 M/M; 81.05 M/M; 84.33 M/M; 84.69 M/M; 87.05 M/M; 87.42 M/C; 87.57 M/M
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:	R U R A L
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	R O L L I N G (2)
Speed: 1–Design, 2–Posted	55 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	
Sight Distance: Minimum Passing PSD–	
Minimum Stopping SSD–	
Pavement Striping: No Passing Zones	
Capacity: Service Volume–E	
DOD Sections	
Census Tracts	
Functional Classification	PRINCIPLE ARTERIAL
National Highway System (NHS)	N H S
Previous Projects: Project No., Date and Limits	
	19 BC – 01 – 71 (PHASE III B GRADING) 1974
HPMS	
SCALE: (In Miles) 2" = 1 mile	80 81 82 83 84 85 86 87 88 89 90

Date Released
Feb 2006, D.B.
Revised
G.N. | MAY 2006

ROAD INVENTORY
HAWAII RTE 19
QUEEN KAAHUMANU HWY

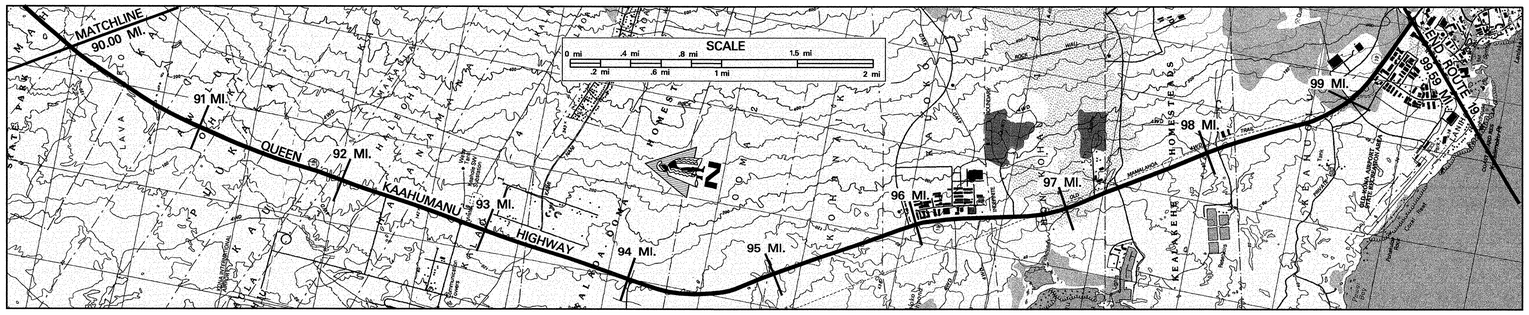
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

Total Route Length: 99.59 miles
a. Survey Length: 99.59 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100

Maintenance Control Sections : Length and Description

BEGIN 19B AT THE CENTERLINE OF KEALAKEHE PARKWAY ROAD | END 19A | 19 A (2.30 MILES) | BEGIN 19A SAME AS END ROUTE 19

ADT Sections; ADT; Traffic Count and Truck Weight Stations

19 21 (18.03 MI.) | 19 22 (4.53 MI.) | 19 23 (2.30 MI.)

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: 310' – 390' | 300'

Available Right of Way Width (Needs Study): CLEAR 1000' – LAVA ROCK 8' – 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 | TRA-01-02 INTER SMP 2005 | COUNTY TO STATE, PHASE 3

Project No., Type of Construction, and Year Constructed: (BD-69-352, PAVING 1969) | FLH-019-1(20) INTER 2000 | 19A-01-97M RESURFACE 2000

Project No., Type of Construction, and Year Constructed: NH-019-1(31) GUARDRAIL AND SHOULDER IMPROVEMENT 2004

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUE FROM SHEET #10

QUEEN KAAHUMANU HWY

Begin Divided — Kona Coast State Park Road — End Divided — 90.06 mi. / 90.20 mi. / 90.38 mi.

91 MP — 90.78 mi.

92 MP — 91.78 mi.

93 MP — Begin Divided — Keahole Airport Rd (R) Rcvr (L) Sub Station — 92.57 mi. / 92.78 mi. / 92.80 mi.

Kalanianaole Road (to Kaiaoa) — 93.31 mi.

End Divided — 93.46 mi.

94 MP — Begin Divided — Telemetry Station and Begin Divided — 93.74 mi. / 93.78 mi.

QTEC Acc. Rd (R) Road (L) — 93.98 mi.

End Divided — 94.26 mi.

95 MP — Begin Divided — Road — 94.77 mi. / 94.82 mi. / 94.84 mi.

Hulikoa Street — 95.11 mi.

End Divided — 95.33 mi.

96 MP — Begin Divided — 95.58 mi.

Hina Lani Street (Kaloko Ind. Park) — 95.78 mi.

Road — 95.94 mi.

End Divided — 96.17 mi. / 96.29 mi.

97 MP — Begin Divided — Kaloko–Honokohau Road — 96.47 mi.

Paved Road — 96.72 mi. / 96.75 mi.

Paved Road — 97.16 mi.

Kealakehe Parkway (Route 19A) — 97.32 mi.

End Divided — 97.50 mi.

98 MP — Begin Divided — Paved Road (R) Waste Transfer Rd (L) — 97.80 mi.

End Divided — 97.91 mi. / 98.06 mi. / 98.19 mi.

99 MP — Begin Divided — Makala Boulevard — 98.61 mi.

End Divided — 98.78 mi. / 98.93 mi.

Kaiwi Street — 99.18 mi.

Begin Divided — 99.31 mi. / 99.38 mi.

NOTE: ROUTE LENGTH ADJUSTED TO MATCH '98 PHOTOLOG & '99 DATABASE
HIGHWAY 19 ON QUEEN KAAHUMANU HIGHWAY FROM THE NORTHERLY PAVEMENT OF PALANI ROAD (ROUTE 190) TO END ROUTE 19
99.59 MILES

SCALE: (In Miles) 2" = 1 mile

90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100

Divided Highway — Undivided — Shoulder: Width and Type: 10' AC | 6' AC | 10'–12' AC | 6' AC | 11' AC | 6' AC | 6' AC | 10' AC

Pavement: Width and Type: (24' AC) 14' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC

Shoulder: Width and Type: (10' AC) 0 | 10' AC | 0 | 6' AC | 0 | 6' AC | 0 | 6' AC | 0 | 10' AC | 0 | 6' AC | 0 | 6' AC | 0

Median: Width and Type: 0 – 30' PAINTED AC | 0 – 14' PAINTED AC | 0 – 12' PAINTED AC | 0 – 12' PAINTED AC | 0 – 10' PAINTED AC | 0 – 12' PAINTED AC | 0 – 12' PAINTED AC | 0 – 14' PAINTED AC | 0 – 12' PAINTED AC

Median Barriers:

Shoulder: Width and Type: 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0

Pavement: Width and Type: 14' AC | 12' AC | 11' AC | 12' AC | 12' AC | 12' AC | 12' AC | 12' AC | 12' AC

Shoulder: Width and Type: 12' AC | SEAL COAT 6' AC | 6' AC | 6' AC | 8'–10' AC | 6' AC | 10' AC | 10' AC | 0'–8' AC

Number of Traffic Lanes: 2 – 12' | 1–12' / 1–11' | 2 – 12' | 1–12' / 1–12' | 1–14' / 1–14' | 1–12' / 1–12' | 1–14' / 1–14' | 1–12' / 1–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 12' AC

(Right Side): 12' | 12' | 12' | 12' | 12' | 12' | 14' | 14' | 14' | 14' | 14' | 14'

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number — M/M – METAL RAILS ON METAL POST: M/M | M/M | M/M | M/M | M/M

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 | URBAN

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

Speed: 1–Design, 2–Posted: 55 MPH (2) | 45 MPH (1) | 35 MPH

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

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification: PRINCIPLE ARTERIAL

National Highway System (NHS): NHS

Previous Projects: Project No., Date and Limits

(STP-019-1(22) 1998)

(198-01-97 1998 @ 97.32 MI.)

STP-019-1(23) SHOULDER IMPROVEMENT 1997 | STP-019-1(18) RESURFACE 1997 | BD-69-352 PAVING 1969 | 19A-01-80M RESURFACE 1980

19BC-01-71 (PHASE III B GRADING 1974 & PAVING 1975 | 235+50 | 218+72.16 | BD-66-7-352 UNIT 3 GRADING & BD-69-352 PAVING 1969 | 0+00.11 | 126+05.07 | B-3267-02-63 1964

HPMS

SCALE: (In Miles) 2" = 1 mile

90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100

Date Released
Feb 2006, D.B.
Revised

G.N.	MAY 2006

ROAD INVENTORY

HAWAII RTE. 130
KEA'AU–PAHOA RD.

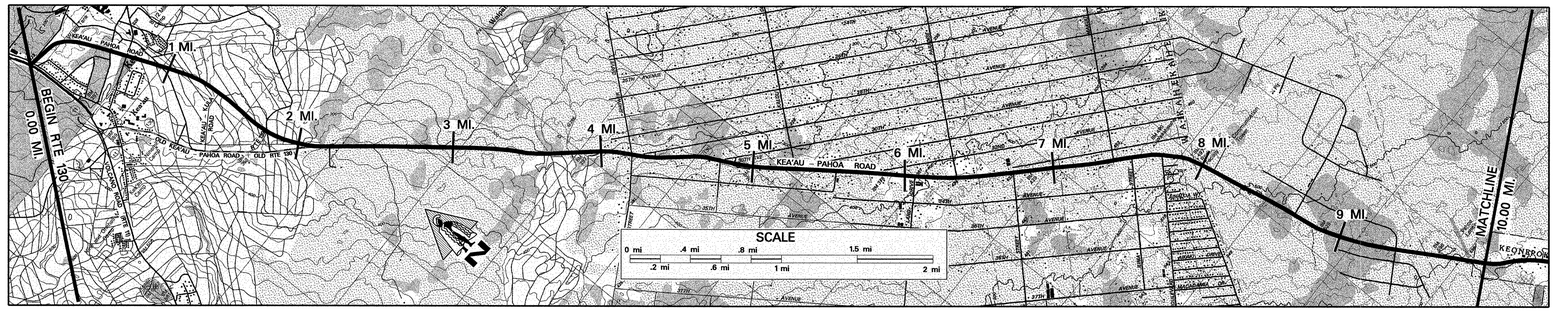
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
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PREPARED BY THE
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IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Designated Route Length:	25.32	MILES (a+b)
a. Existing Length:	25.32	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	21.83	MILES (a+b, less c)
a. Existing Length:	21.83	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) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Maintenance Control Sections : Length and Description
130 B (12.12 mi.)

ADT Sections; ADT; Traffic Count and Truck Weight Stations
130 01 (1.79 mi.) | 130 02 (5.95 mi) | 130 03 (3.77 mi.)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
3 – 72" Pipe Culvert 27' | 4 – 70" Pipe Culvert 28' | 4 – 44" Arch Culvert 30' | Triple Box Culvert 38' | Conc. Rigid Frame (65 – 20, 1968) 80'

Vertical Clearance
0.35 | 0.88 | 1.09 | 1.86 | 3.78

Horizontal Clearance
40'

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies
150' – 220' | 80' – 130' | 50' | 80'

Available Right of Way Width (Needs Study)
Clear 1000' – Small Trees & Bushes – 8' From Pavement.
Residential Area

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
(S–0130(7) 1967) | RS–0130(24), Widen & Resurf., 2003

Project No., Type of Construction, and Year Constructed
130B – 01 – 98, New Constr., 1999 | 130B – 01 – 92, New Constr., 1999 | STP–0130(25), Resurf, 1996 | (RS–0130(16), Widened & Resurf., 1990) | 130B–01–72, Resurf.,1972 | (STP–0130 (25), Resurf, 1996)

Road Diagram

* MP=Milepost Signage

BEGIN RTE 130 ON KEA'AU–PAHOA RD. AT THE S. EDGE OF PAVT. OF VOLCANO ROAD (RTE 11). 0.00 mi.

Culvert Paved Road (Rd. "C") 0.35 mi. 0.27 mi. | Milo Street 0.72 mi. | Culvert 0.88 mi. | Culvert 1.09 mi. 1.01 mi. | Culvert 1.21 mi. | Culvert Keaau Kulu Road (Keaau Connector Rd.) 1.41 mi. 1.38 mi. | 1MP 1.00 mi. | Culvert Keaau to Old Kaumana Pahoa Rd. (Rte 139) 1.86 mi. 1.79 mi. | Culvert 2.00 mi. | Speed Station Loops Hilo Bound Waste-station Rd. 2.51 mi. 2.46 mi. | Hilo Society Orchids 2.30 mi. 2.34 mi. 2.26 mi. | Indicates Grass & / or Physical Barrier on Median.

3MP 3.67 mi. | Waipahoehoe Bridge 3.78 mi. | Paved Road Begin Divided 4.01 mi. 3.99 mi. | Shower Dr. (L) 4.20 mi. | Pono Mo'i St. 4.38 mi. 4.34 mi. | Pohaku Cr. (R) | 4MP 4.67 mi. | End Divided Begin Divided Pohaku Pl. 4.78 mi. 4.71 mi. 4.69 mi. | Paved Rd. Begin Divided St. 4.88 mi. | Begin Divided 5.09 mi. | Kaloli Dr. End Divided 5.36 mi. 5.28 mi. | 5MP 5.67 mi. | Pohaku Circle 5.55 mi. | Orchid Land Dr. Begin Divided 6.07 mi. 5.97 mi. | Paradise Dr. End Divided 6.44 mi. 6.34 mi. | 6MP | Auili St. Begin Divided 6.71 mi. 6.67 mi. 6.59 mi. | End Divided 6.88 mi. | Begin Divided 7.20 mi. | Makuʻu Dr. Begin Divided 7.38 mi. | Ilima St. & Ilima Pl. End Divided 7.71 mi. 7.59 mi. 7.51 mi. | 7MP | Ainaloa Blvd. End Divided 7.93 mi. 7.90 mi. | Rd. to Power Sta. End Divided 8.07 mi. | Rd. to Com. Sta. 8.49 mi. | Begin Divided 8.78 mi. 8.68 mi. 8.55 mi. | Ka Ohiwalu End Divided | 8MP | Begin Divided 9.25 mi. | Kaluahine St. (L) 9.37 mi. | Aulani Rd. End Divided 9.49 mi. | Begin Divided (R) | 9MP 9.68 mi. | Water Tank Rd. 9.79 mi.

0.00 mi. — KEA'AU – PAHOA ROAD

ROUTE CONTINUED ON SHEET #2

SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Divided Highway – Undivided

Shoulder: Width and Type
10' AC | 8' Gravel | 8' AC | 8' Grv | 8' AC | 8' Grv | 8' AC | 8' (4'AC,4' Grv) | 10' AC | 4' Grass | 6' AC | (8' Gravel)

Pavement: Width and Type
(12'AC) | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 14' AC | 24' AC | 12' AC | 24' AC | 12' AC [24' AC] | 12' AC | 24' AC | 12' AC (24' AC) | 12' AC | 24' AC | 12' AC | 24' AC

Shoulder: Width and Type
4' AC | 8' Gravel | 0 | 8' Grv | 0 | 8' Grv | 0 | 8' (4'AC,4' Grv) | 0 (4'AC,4' Grv) | 0 | 6' AC | 0 (6' AC) | 6' AC | 0 | 6' AC | 0 | 6' AC | (8' Gravel)

Median: Width and Type
10' Painted AC | 10' Grass (Flush) (10' Paint) (12' Grass) | (12' Paint) (12' Grass) | Varies 0–22' Paint | 0'–12' Painted AC | 0'–12' Paint on AC | 0'–12' Painted AC | 0'–12' Painted AC | 0'–18' Painted AC | 0'–18' Painted AC | 0'–18' Painted AC | 0'–18' Painted AC | 0'–18' Painted AC

Shoulder: Width and Type
4' AC | 0 | 0 | 0 | 0 | 0 | 0

Pavement: Width and Type
24' AC | 12' AC | 12' AC | 14' AC | 12' AC | 12' AC (4'AC,4' Grv) | 12' AC | 12' AC | 12' AC | 12' AC | 12' AC | 12' AC

Shoulder: Width and Type
10' AC | 8'–12' AC | 8'–12' AC | 8'–10' AC | 6'–10' AC | 6' AC | 6' AC | 6' AC | 6' AC | 6' AC | 6' AC | (8' Gravel)

Number of Traffic Lanes
(1–12') (2–12') | 4 – 12' (2–12') (1–12') | 2 – 12' | 2–14' | 12' T. Lns | 2 – 12' | (All T.Ls. 12') | (2 – 12')

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

(Right Side) All Turning Lanes 12'

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 Metal on Metal | Metal on Concrete

Illumination: Type, Location and Number Low Pressure Sodium | Low Pressure Sodium

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative
–1 | –2 | +1 | +.5 | +1 | –1 | +2 | +2 | +1 | –1 | +1 | –1 | +2

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural

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

Speed: 1–Design, 2–Posted 35 MPH (1) | 45 MPH (1) | 55 MPH (2) Minimum 40 MPH

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification Minor Arterial (1)

National Highway System (NHS) None

Previous Projects: Project No., Date and Limits
(S–231(1) 1953) | (S–0130(9) 1967)
130B–01–72 (R) 1972
S–0130(7) 1967 | S–231(1) 1952 | (S–0130(9) 1966)
Sta 237+50 | Sta 0+00

SCALE: (In Miles) 2" = 1 mile

Date Released
Nov 2000

Revised	
Oct. 01	J.K.
Feb. 04	D.B.
May 04	D.B.
Sept 04	D.B.

ROAD INVENTORY

HAWAII RTE 130

KEA'AU–PAHOA RD., PAHOA–KALAPANA RD.

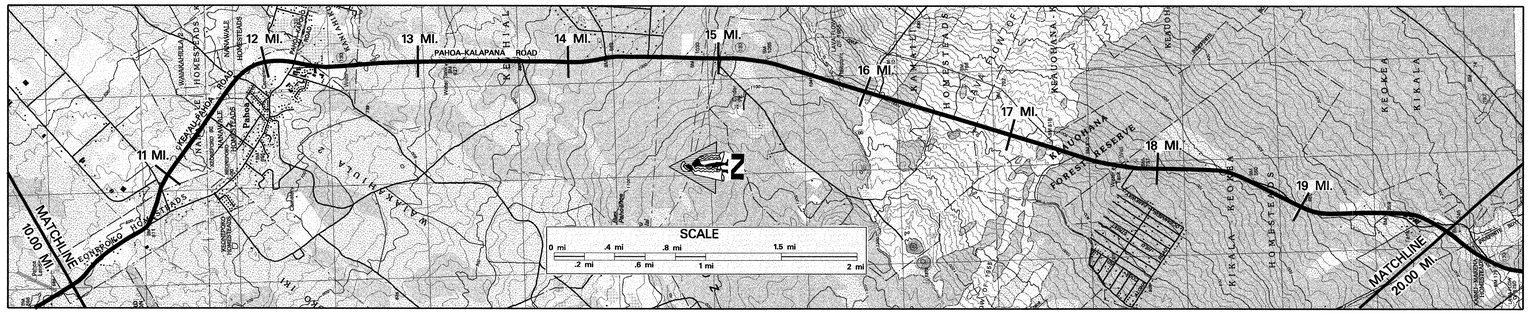
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

Total Designated Route Length: 25.32 MILES (a+b)
a. Existing Length: 25.32 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 21.83 MILES (a+b, less c)
a. Existing Length: 21.83 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: NONE MILES (–)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Maintenance Control Sections : Length and Description
130 B (12.12 Mi.) | End 130-A, Beg. 130-B on Keaau-Pahoa Rd. @ the North E.P. of Pahoa-Kapoho Rd. | 130 A (13.19 Mi.)

ADT Sections; ADT; Traffic Count and Truck Weight Stations
130 03 (3.77Mi.) | 130 04 (0.61Mi.) | 130 05 (2.06 Mi.) | 130 06 (6.80 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
80' | 50' – 110' | 100'–150'

Available Right of Way Width (Needs Study)
Residential Area | Trees | Clear 1000'/ Grass, Brush, Sugar Cane 10' from Pavement | Trees & Brush

Right of Way Fence: Type – Right and Left (SW = Stone Wall)
Chainlink Fence | SW

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
(RS–0130(24), Widen & Resurf., 2003) | 130A–01–97M Resurfacing 1998

Project No., Type of Construction, and Year Constructed
STP–0130(25), Resurf, 1996 | RS – 0130(20), New Alignment, 1990 | 130A–01–92M, Resurf, 1993 | S–0130(12) 1971

ROUTE CONTINUED FROM SHEET #1

Road Diagram
* MP=Milepost Signage

End Divided Hwy. Kaheka Blvd. | Road "A" (Realign to Old Rte 130) Begin Divided Hwy. | Homestead Rd. (West) | Homestead Rd. (East) | End Divided Hwy. Pahoa-Kapoho Rd. (SR 132) | Board of Water Supply Tank | Leilani Ave | Malama St. | ALA ILI RD. | Road | Road | Kapoili Road (to Opihikao) | Project Marker Upper Puna Rd | One'Ele Rd. | Old Kalapana Rd. | Old Kalapana Rd. | Old Kalapana Rd. | Old Kalapana Rd. | Old Kalapana Rd.

10 MP 10.69 mi. | 11 MP 11.66 mi. | 12 MP 12.71 mi. | 13 MP 13.71 mi. | 14 MP 14.72 mi. | 15 MP 15.71 mi. | 16 MP 16.71 mi. | 17 MP 17.71 mi. | 18 MP 18.77 mi. | 19 MP 19.71 mi.

10.53 mi. | 10.66 mi. | 10.88 mi. | 10.97 mi. | 11.42 mi. | 11.74 mi. | 12.00 mi. | 12.14 mi. | 12.34 mi. | 13.16 mi. | 14.20mi. | 14.49 mi. | 14.96 mi. | 15.25 mi. | 15.74 mi. | 16.03 mi. | 17.41mi. 17.38 mi. | 17.77 mi. | 18.55 mi. 18.44 mi. | 18.82 mi. | 19.18 mi. | 19.52 mi. | 19.82 mi.

KEA'AU–PAHOA ROAD | PAHOA–KALAPANA ROAD

ROUTE CONTINUED ON SHEET #3

SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Divided Highway – Undivided

Shoulder: Width and Type
8' Gravel | 8' AC | 8' AC | 8' AC | 3' Gravel | 4' Grass | 0 | 4' Grs. | 6' Dirt | 10' Gravel

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

Shoulder: Width and Type
8' Gravel | 0 | 8' AC | 0 | 3' Gravel | 4' Grass | 0 | 4' Grs. | 6' Dirt | 10' Gravel

Median: Width and Type
0'–12' Painted AC | 0'–12' Painted AC

Shoulder: Width and Type
0

Pavement: Width and Type
12' AC

Shoulder: Width and Type
8' AC

Number of Traffic Lanes
2 – 12' | 2 – 10' | 2 – 11' | 2 – 12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
All Turning Ln's = 12'

(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)
4' (Type 2) Gutter | Metal on Concrete | Metal on Metal | 6' Gutter

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number
3 Low Pressure Sodium | 6 Low Pressure Sodium | 4 Low Pressure Sodium | Low Pressure Sodium

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative
–2 | +4 | –1 | +2 | –1 | –5 | –1 | –4 | –6 | –5 | –4

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
Rural | Rolling

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

Speed: 1–Design, 2–Posted
55 MPH ② 40 MPH ② (Minimum) | 45 MPH ① 45 MPH ① | 55 MPH ① 55 MPH ① | 45 MPH ① 45 MPH ① | 55 MPH ② Minimum 40 ②

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification
Minor Arterial (1) | Major Collector (1)

National Highway System (NHS)

Previous Projects: Project No., Date and Limits
S–0130(9), 1967 | RS–0130(20) (New Alignment) 1990
HWY–H–01–69 | (RS–0132(3) 1986 Widen and Resurf) | RS–SR–0130(19) Resurf 1982
S–0130(9) 1966 | County | A–130–01–61 Sect. A (R/W) | ER–4(1) 1957, 59 | S–130 (12) 1970

HPMS
Sta 44+81.95 | Sta 0+00 | Sta 207+65.07

SCALE: (In Miles) 2" = 1 mile

Date Released
November 2000

Revised	
Sept 02	J.K.
Feb. 04	D.B.
May 04	D.B.
Sept 04	D.B.

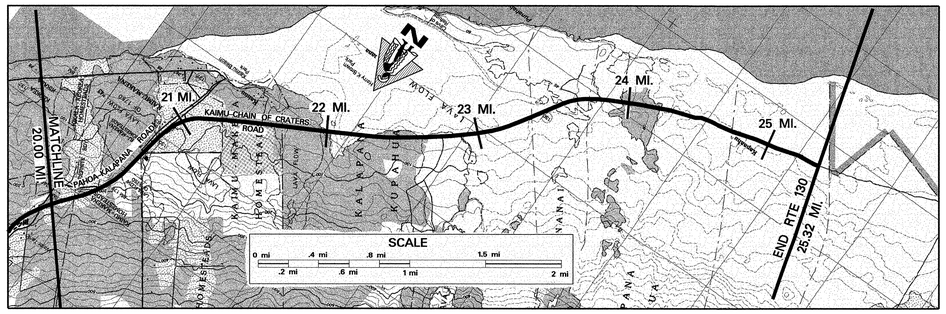
ROAD INVENTORY
HAWAII RTE 130
PAHOA–KALAPANA ROAD, KAIMU–CHAIN OF CRATERS ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Designated Route Length: 25.32 MILES (a+b)
a. Existing Length: 25.32 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 21.83 MILES (a+b, less c)
a. Existing Length: 21.83 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: NONE MILES (–)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles) 2" = 1 mile

20 21 22 23 24 25 26 27 28 29 30

Maintenance Control Sections : Length and Description
130 A (13.19 Mi.) Beg. 130 A Same as End Rte 130
130 06 (6.80 Mi.) 130 07 (2.61 Mi.) 130 08 (1.72 Mi.)

ADT Sections; ADT; Traffic Count and Truck Weight Stations

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' – 150' | 125' – 580' | 155' | 120' | 155'–170' | 150' | 140' | 120' | 130' | 100'–110' | 120' | 130'–145' | 145' | 80'

Available Right of Way Width (Needs Study)
Trees & Brush | Residential | Clear 1000' Lava Rock 10' from E.P.

Right of Way Fence: Type – Right and Left
SW | SW | WW

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
130A–01–97M 1998 Resurf.

Project No., Type of Construction, and Year Constructed
S–0130(12), 1971 | ER – 9(3) New Alignment, 1980 | 130A – 01–79M PMS – 0100(8), Unit 3, Resurf, 1978

Road Diagram

* MP = Milepost Signage

ROUTE CONTINUED FROM SHEET #2

Old Kalapana Rd | Road | Begin Divided Hwy | Access Rds to Kalapana & Pahoa Rd | End Divided Hwy | 1987 Lava Flow & Road Barricade | Lokelani St. & Road Barricade | Keaau Dr. | Lava Flow Access to Kalapana Bch. Rd. | Road | Coconut Palm Dr. & Royal Palm Dr. | Road to Queen's Bath | Road | Cattle Guard

20 MP | 22 MP | 23 MP | 24 MP | (24.93 MP)

20.24 mi. | 20.80 mi. | 20.76 mi. | 20.69 mi. | 20.62 mi. | 20.97 mi. | 21.18 mi. | 21.83 mi. | 22.72 mi. | 22.80 mi. | 22.82 mi. | 23.13 mi. | 23.59 mi. | 23.73 mi. | 24.17 mi. | 24.37 mi. | 24.59 mi. | 24.49 mi. | 24.93 mi. | 24.90 mi. | 25.13 mi. | 25.31 mi.

END RTE 130 ON KAIMU–CHAIN OF CRATERS ROAD AT THE N.E. BOUNDRY OF HAWAII VOLCANO NATIONAL PARK NEAR QUEEN'S BATH. 25.32 mi.

PAHOA–KALAPANA RD ← KAIMU–CHAIN OF CRATERS ROAD →

SCALE: (In Miles) 2" = 1 mile

20 21 22 23 24 25 26 27 28 29 30

Divided Highway – Undivided
Shoulder: Width and Type: 10' Gravel | 10' AC | 10' AC | 6' AC
Pavement: Width and Type: 24' AC | 12' AC | 24' AC | 22' AC
Shoulder: Width and Type: 10' Gravel | 0 | 10' AC | 6' AC

Divided Highway
Median: Width and Type: 0'–10' Painted Median
Shoulder: Width and Type: 0
Pavement: Width and Type: 12' AC
Shoulder: Width and Type: 10' AC

Number of Traffic Lanes: 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)
Curb and/or Gutter: Type (Right and Left): 6" 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: –3 | –3 | –2
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: Rural
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Rolling | Flat
Speed: 1–Design, 2–Posted: 55 MPH – Minimum 40 MPH (2) | 35 MPH (2) | Not Posted 25 MPH (2) | 25 MPH (2) | 45 MPH (2) | 35 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing
Sight Distance: Minimum Passing PSD–
Minimum Stopping SSD–
Pavement Striping: No Passing Zones
Capacity: Service Volume–E
DOD Sections
Census Tracts
Functional Classification: Major Collector (1)
National Highway System (NHS)
Previous Projects: Project No., Date and Limits
S–130 (12), 1971 | County A–130–01–60 (Sec. C) 1964 | (130A – 01 – 79 M PMS – 0100(8), Unit 3) S–130(1) 1964
HPMS: Sta 2+35.88 | Sta 91+50 | Sta 10+52.12

SCALE: (In Miles) 2" = 1 mile

20 21 22 23 24 25 26 27 28 29 30

Date Released
November 2000
Revised

ROAD INVENTORY

HAWAII RTE 139
OLD KEA' AU – PAHOA ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

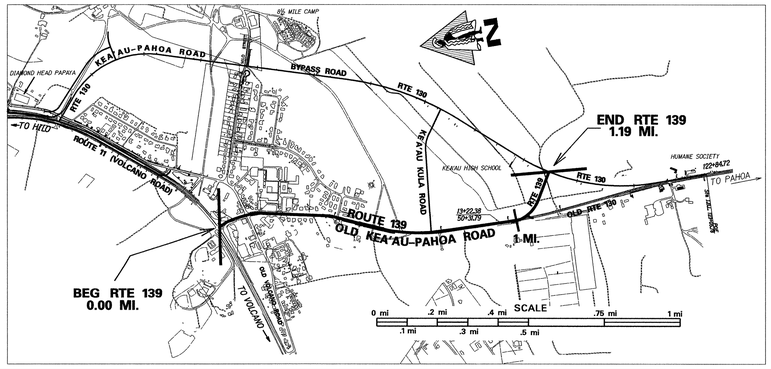
Total Route Length: 1.19 **MILES**

a. Survey Length: 1.19 **MILES**

b. Proposed Length: 0.00 **MILES**

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

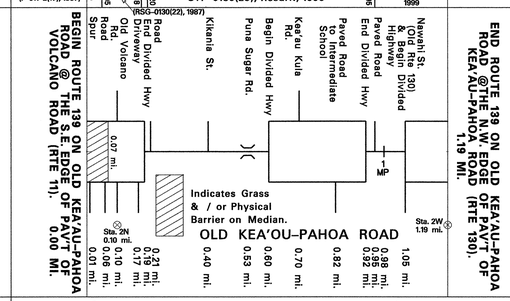
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		SCALE: (In Miles) 4" = 1 mile	0	1	2	3	4	5
Maintenance Control Sections : Length and Description			End 139A same as Begin Route	139A (1.19 mi.)				
ADT Sections; ADT; Traffic Count and Truck Weight Stations								
Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed			Continuous Conc. Slab HS–20, 1968 | 18'				
	Vertical Clearance							
	Horizontal Clearance			| 44'				
Structure Over Road	Vertical Clearance							
	Horizontal Clearance							
Right of Way Width (min.–max.) if varies				80'–85' (0.35) 80'–130' (0.85) 90'–140'				
Available Right of Way Width (Needs Study)				Residential (0.30) Clear 1000' – Sugar Cane – 6' from Pav't				
Right of Way Fence: Type – Right and Left				(0.10) Pipe (0.17) Chain Link (0.63) (0.63) Chain Link (0.85)				
Control of Access: 1–None, 2–Partial, 3–Full				None				
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)				State				
Project No., Type of Construction, and Year Constructed			(0.08) 130B–01–91, Imp., 1993 (0.63)					
Project No., Type of Construction, and Year Constructed		(F–011–2(17), 1987) (0.05) (0.08) (0.30) (RSG–0130(22), 1987)	STP–0130(25), Resurf., 1996 (0.85)				130B–01–92 1999	

Road Diagram

* MP = Milepost Signage



		SCALE: (In Miles) 4" = 1 mile	0	1	2	3	4	5
Divided Highway	Undivided	Shoulder: Width and Type	6' AC (0.54)	10' AC (0.70)	8' Gravel (0.96)	4' AC		
		Pavement: Width and Type	12' AC	24' AC	12' AC	24' AC	12' AC	
		Shoulder: Width and Type	0	0 (0.32) 6' AC (0.41) 2' AC	0	8'–10' AC	0	
		Median: Width and Type	8' Grass (Raised) (0.07) (0.19) 10' Painted Median (0.60)		12' Painted Median (0.82) (1.06)		12' Painted Median	
		Shoulder: Width and Type	0		0		0	
		Pavement: Width and Type	12' AC		12' AC		12' AC	
		Shoulder: Width and Type	0		2' AC (0.78) 8'–10' AC		4' AC	
Number of Traffic Lanes				2–12'				
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)			12' TL (0.13) (0.26) (0.32) 10' TLs (0.14) (0.07)	11' TL (0.82) (0.96) 12' TLs (0.84) (0.70)		(1.15) 12' TLs (1.06)		
(Right Side)								
Frontage Road: No. of Lanes, and Width (Right and Left)								
Sidewalk: Width and Type (Right and Left)			(0.06) 4' AC S.W. (0.17) (0.39) (0.70) (0.07) 10' Conc.	2' AC (0.39)	8' Conc. (0.80) (0.90)			
Curb and/or Gutter: Type (Right and Left)			Curb					
Protective Devices: Type, Location and Number			C. Curb Curb (0.08) (0.17) (0.32) (0.35) (0.39)	(0.41) Curb (0.46) (0.55) (0.80) (0.83)	C. Curb (0.70) (0.90) All Metal on Metal. (1.09)			
Illumination: Type, Location and Number								
Curves: Degree of Curvature (Right and Left)								
Superelevation (Range)								
Grades: % Grade, Positive or Negative					(0.78) +2 (0.94)			
Vertical Curve: Crest or Sag, Curve Limits								
Area and Development:				Rural				
Terrain: 1–Flat, 2–Rolling, 3–Mountainous				Rolling				
Speed: 1–Design, 2–Posted				25 MPH (2)				
Intersection Control Devices: Type, Location and Cycle Timing			(0.10) 2 Phase		(0.70) 2 Phase			
Sight Distance: Minimum Passing PSD–								
Minimum Stopping SSD–								
Pavement Striping: No Passing Zones								
Capacity: Service Volume–E								
DOD Sections								
Census Tracts								
Functional Classification				Major Collector				
National Highway System (NHS)				None				
Previous Projects: Project No., Date and Limits								
			(0.05) (RSG–0130(22), 1987) (0.08) 130B–01–83M, (R), 1983					
			S–0130(2), 1966 (0.29) S–130(7), 1967 (0.85)					
HPMS								
		SCALE: (In Miles) 4" = 1 mile	0	1	2	3	4	5

Date Released
June 2003, DB
Revised
7/04 D.B.

ROAD INVENTORY

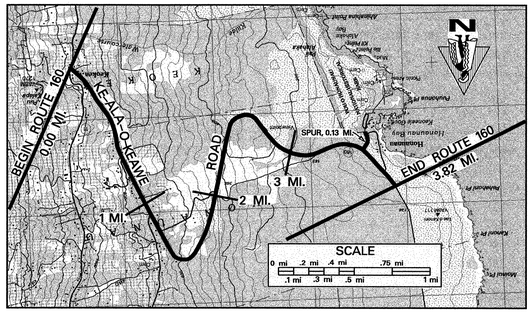
HAWAII RTE 160
KE–ALA–O–KEAWE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Route Length: 3.95 miles
a. Survey Length: 3.82 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.13 miles

* SPUR LENGTH

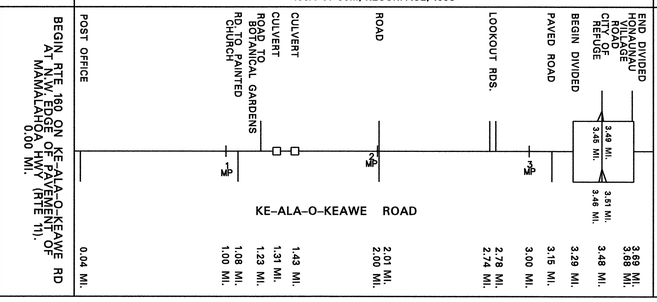


SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description	BEGIN 160A ON KE–ALA–O–KEAWE RD. 25' W. OF CENTERLINE INTER. W/ MAMALAHOA HWY	160 A (3.82 MI.)	END 160A SAME AS ROUTE	
ADT Sections; ADT; Traffic Count and Truck Weight Stations	160 01 (1.07 MI.)	160 02 (2.75 MI.)	160 03 (0.13 MI.)	
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	VARIES 80' – 140'			
Available Right of Way Width (Needs Study)	LARGE TREES & HEAVY GRASS, CUT SLOPES (1.46)	CLEAR 1000' BRUSH W/ SMALL TREES 5'–15' FROM EDGE OF PAV'T		
Right of Way Fence: Type – Right and Left	(1.23) FENCE (R) (1.73)	FENCE (L) & (R) WIRE ON WOOD 25' FROM EDGE OF PAV'T (3.12)	FENCE (L) (3.36)	
Control of Access: 1–None, 2–Partial, 3–Full	NONE		(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	160A–01–96M, RESURFACE, 1998		(160A–01–96M, RESURFACE, 1998)	

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway (Undivided): Shoulder: Width and Type	4' AC			
Divided Highway (Undivided): Pavement: Width and Type	24' AC (2.80)	24' BST	14' AC	2–12' AC
Divided Highway (Undivided): Shoulder: Width and Type	4' AC		0	4' AC
Divided Highway: Median: Width and Type			0–20' PAINTED AC (3.29)	(3.69)
Divided Highway: Median Barriers:				
Divided Highway: Shoulder: Width and Type			0	
Divided Highway: Pavement: Width and Type			14' AC	
Divided Highway: Shoulder: Width and Type			4' AC	
Number of Traffic Lanes	2–12'		2–14'	2–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)			12' TURNING LANES (2.48) (3.68)	
(Right Side)			(3.38)	
Frontage Road: No. of Lanes, and Width (Right and Left)				
Sidewalk: Width and Type (Right and Left)				
Curb and/or Gutter: Type (Right and Left)	METAL ON CONCRETE (0.01)		METAL ON METAL (3.30) (3.39)	
Protective Devices: Type, Location and Number	(0.12) (0.27) (0.29) (0.40) (0.45) (0.73) (0.82) (0.86) (1.47) (1.82) (1.87) (2.08) (2.18) (2.22) (2.28) (2.56) (2.64) (2.86) (2.89) (2.94) (3.01)			(METAL ON METAL) (0.01) (0.05)
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			(RURAL)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	ROLLING			(ROLLING)
Speed: 1–Design, 2–Posted	45 MPH (MIN. 30 MPH) (2)			
Intersection Control Devices: Type, Location and Cycle Timing				
Sight Distance: Minimum Passing PSD–				
Minimum Stopping SSD–				
Pavement Striping: No Passing Zones				
Capacity: Service Volume–E				
DOD Sections				
Census Tracts				
Functional Classification	MAJOR COLLECTOR			
National Highway System (NHS)				
Previous Projects: Project No., Date and Limits	RS–0160(6) RESURFACE 1980 (2.80)			
	S–0160(1), 1961 (1.01) STA. 53 + 99	S–0160(2) UNIT 1, 1961 (3.16)	S–0160(2) UNIT 2, 1961	(S–0160(2) UNIT 2, 1961)
HPMS	(1.07)			

SCALE: (In Miles) 2" = 1 mile

Date Released
OCT. 05, DB
Revised

ROAD INVENTORY

HAWAII RTE 190
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

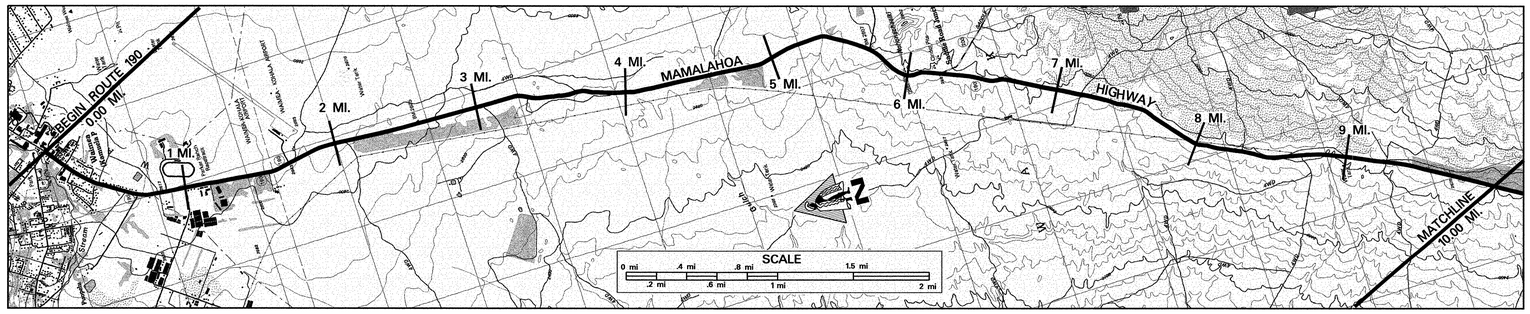
Total Route Length: 38.99 miles

a. Survey Length: 38.99 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

190 01 (1.20 MI.) | END 190 E, 0.05 MI. NORTH OF WAIMEA-KOHALA AIRPORT ROAD | 190 02 (0.50 MI.) | 190 E (5.02 MI.) | 190 03 (4.54 MI.) | END 190 D – BEGIN 190 E ON MAMALAHOA HIGHWAY 100' NORTH OF SADDLE ROAD | 190 D (7.26 MI.) | 190 04 (4.68 MI.)

ADT Sections; ADT; Traffic Count and Truck Weight Stations

Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed: SLAB 1930, H-15 | 3 PLATE CULVERTS 1980, HS-20

Structure Carrying Road — Vertical Clearance: 21' | 37'

Structure Carrying Road — Horizontal Clearance: 24' | 40'

Structure Over Road — Vertical Clearance

Structure Over Road — Horizontal Clearance

Right of Way Width (min.–max.) if varies: 70' | 100'–145' | 80'–90' | 100'–145'

Available Right of Way Width (Needs Study): RESIDENTIAL, FARMS, RANCHES | 1000' CLEAR – PASTURES – 10'–15' FROM PAVEMENT | CLEAR 1000' – PASTURELAND W/ LAVA ROCK AND SOME TREES

Right of Way Fence: Type – Right and Left: WIRE ON WOOD – 10' FROM PAVEMENT / WIRE ON WOOD – 10' FROM PAVEMENT

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

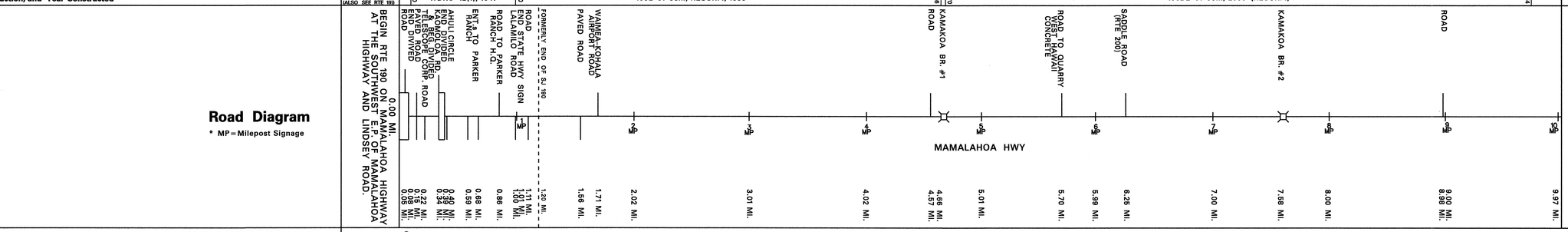
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): COUNTY | PHASE 2 – COUNTY TO STATE (RS-0190 (9), 1988 (R)) | STATE

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed (STP-019-1(24), 2000 RESURF., IMPRV. (ALSO SEE RTE 19)): WDRC 12(1), 1947 | 190E-01-98M, RESURF., 1999 | 190DE-01-99M, 2000 (RESURF.)

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided — Shoulder: Width and Type: (0'–10' AC) (8'–3' AC) 1' AC | 25' GRASS | 4' AC

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

Shoulder: Width and Type: 0 | 8' GRASS | 8' AC | 15' GRASS | 4' AC

Median: Width and Type: (11'–0' PAINTED AC) | (12'–0' PAINTED AC)

Median Barriers:

Shoulder: Width and Type: 0 | 0

Pavement: Width and Type: (28'–11' AC) | (11' AC)

Shoulder: Width and Type: (0'–10' AC) | (5' AC)

Number of Traffic Lanes: (1–11') (1–(28'–11')) | 2–11' | 2–12' | 2–12' | 2–11'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 14' T.L. / 11' T.L. / 10' T.L. | (2–10')

(Right Side)

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

Sidewalk: Width and Type (Right and Left): 4' CONC. S.W. / 8' CONC. S.W.

Curb and/or Gutter: Type (Right and Left): CONC. CURBS (NO GUTTERS)

Protective Devices: Type, Location and Number: METAL ON METAL | METAL ON METAL | WOOD ON CONCRETE

Illumination: Type, Location and Number: MV

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative: +2 | –4

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: URBAN | RURAL

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

Speed: 1–Design, 2–Posted: 35 MPH (2) | 35 MPH (2) | 55 MPH (2) – MINIMUM 45 MPH / 55 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits: WDRC 12(1) 1947 | RS-0190(7), RESURF. & REALIGN., 1987 | WDRC 12(1) 1948 | RS-0190(8) 1988, (R) (RS-0190(5), 1980) | 19 DE-01-68 | RS-0190(2), 1979 | F-10(6), 1953 (FAP 10-C(1), 1938)

HPMS: 1.05 MI. | 2.87 MI.

SCALE: (In Miles) 2" = 1 mile

Date Released
OCT 05, D.B.
Revised

ROAD INVENTORY

HAWAII RTE 190
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

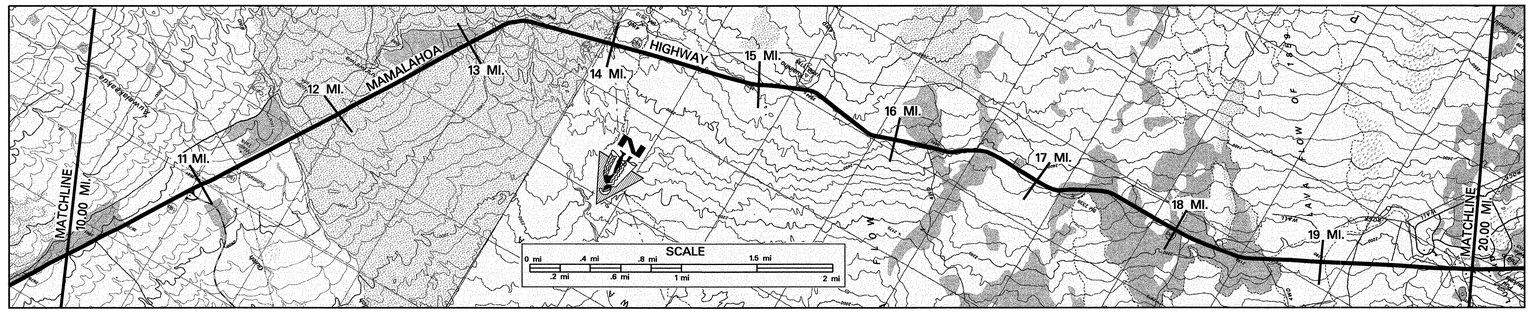
Total Route Length: 38.99 miles

a. Survey Length: 38.99 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Maintenance Control Sections : Length and Description

190 D (7.26 MI.) | END 190 C – BEGIN 190 D ON MAMALAHOA HIGHWAY, 2270 SOUTH OF THE SOUTH END OF KEAMUKU BRIDGE | 190 C (7.87 MI.)

ADT Sections; ADT; Traffic Count and Truck Weight Stations

190 04 (4.68 MI.) | 190 05 (21.62 MI.)

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

PRESTRESSED CONCRETE GIRDER, HL-93, 2001 — 133' | 119' — SLAB 1940, H-15 — 23'

Vertical Clearance: 133' | 119' | 23'

Horizontal Clearance: 40' | 40' | 32'

Structure Over Road — Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 100' – 145' | 60' – 150'

Available Right of Way Width (Needs Study): CLEAR 1000' – PASTURELAND W/ LAVA ROCK AND SOME TREES | CLEAR 1000', LAVA ROCK, GRASS, TREES – 10' FROM PAVEMENT

Right of Way Fence: Type – Right and Left: WIRE ON WOOD 10' FROM PAVEMENT (both sides) | WIRE ON WOOD 10' FROM PAVEMENT (both sides)

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

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

Project No., Type of Construction, and Year Constructed: (BR-0190(13), 2001 BRIDGE REPLACEMENT) | 190CD–01–88M, 1988 (R) | 190C–01–89M, 1989 (R) | (19C–01–70, (RESURF. & REHAB.), 1971)

Project No., Type of Construction, and Year Constructed

CONTINUED FROM SHEET #1

BEGIN DIVIDED HIGHWAY — END DIVIDED HIGHWAY — WAILOOPA BR. — AUWAIAKEAKUA BR. — POWER SUB STATION — POPOO BR. — KEAMUKU CULVERT — KEAMUKU BR. — SIGN DISTRICT OF KONA SOUTH SCALE — SPEED MONITORING STATION — NE EDGE OF 1859 LAVA FLOW — BIG ISLAND COUNTRY CLUB RD. — SUBSTATION D.W.

MAMALAHOA HWY

10.85 MI. | 10.93 MI. | 10.97 MI. | 11.04 MI. | 11.28 MI. | 11.72 MI. | 11.97 MI. | 12.86 MI. | 12.94 MI. | 12.98 MI. | 13.16 MI. | 13.96 MI. | 14.07 MI. | 14.54 MI. | 14.96 MI. | 15.98 MI. | 16.96 MI. | 17.96 MI. | 18.65 MI. | 19.00 MI. | 19.86 MI. | 19.88 MI.

CONTINUED ON SHEET #3

SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Divided Highway — Undivided — Shoulder: Width and Type: 4' AC | 4'–5' AC | 4' DIRT

Pavement: Width and Type: 22' AC | 14' AC | 21' AC | 18' AC | 22' AC

Shoulder: Width and Type: 4' AC | 0 | 4'–5' AC | 5' DIRT

Median: Width and Type: (0–12' PAINTED MEDIAN)

Median Barriers:

Shoulder: Width and Type: 0

Pavement: Width and Type: 17' AC

Shoulder: Width and Type: (2–10.5') 4'–5' AC

Number of Traffic Lanes: 2–11' | 2–10.5' | 2–9' | 2–11'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 1–14' | 1–13'

(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: M/M | METAL RAILS ON CONCRETE POSTS

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative: (–4) | +1 | –4 | +1 | +1 | +2 | –3 | +1 | +4 | +1 | +1 | –4

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL

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

Speed: 1–Design, 2–Posted: 55 MPH (2) – MINIMUM 40 MPH | 55 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

RS–0190(8), 1988 (R) | 190CD–01–88M, 1988 (R) | 19C–01–70 (RESURF & REHAB), 1971

FAP 10–C(1), 1938 | FAP E–10B, 1932 | FAP 10–A, 1932

STA. # 642+00

HPMS: 7.62 MI.

SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Date Released	
OCT. 05, D.B.	
Revised	

ROAD INVENTORY
HAWAII RTE 190
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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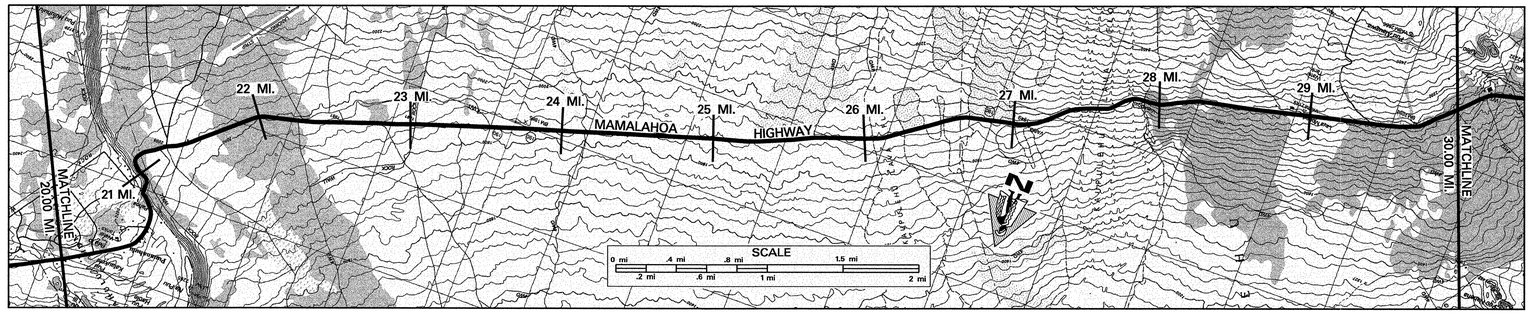
Total Route Length: 38.99 miles

a. Survey Length: 38.99 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

20 21 22 23 24 25 26 27 28 29 30

Maintenance Control Sections : Length and Description

190 C (7.87 MI.) | 22.98 END 190 B – BEGIN 190 C ON MAMALAHOA HWY. AT THE CENTERLINE OF PUUWAAWAA RANCH ROAD | 190 B (13.91 MI.)

ADT Sections; ADT; Traffic Count and Truck Weight Stations

190 05 (21.62 MI.)

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

(CLEAR 1000' LAVA ROCK, GRASS, TREES, – 10' FROM PAVEMENT) 20.24 | 60'–150' | 22.98 80'–217'

Available Right of Way Width (Needs Study)

20.24 20.74 (RESIDENTIAL AREA) 21.05 | 1000' CLEAR, LAVA ROCK, W/ BRUSH, GRASS – 10' FROM PAVEMENT | (CONC. WALL) 27.96 BRUSH, GRASS, TREES 28.06 BRUSH, GRASS, & LARGE TREES

Right of Way Fence: Type – Right and Left

20.59 21.05 (WIRE ON WOOD – 10' FROM PAVEMENT) | STONE WALL 8' FROM PAVEMENT 26.66 WOIRE ON WOOD 15'–20' FROM PAVEMENT 28.57 CRM WALL | CRM WALL

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-0100(31) – GUARDRAIL IMPROVEMENTS, 1994) 29.54

Project No., Type of Construction, and Year Constructed

20.46 (19C-01-70 (RESURF. & REHAB.) 1971) | 190BC-01-90M (RESURFACE)1991 | 27.96 (190B-01, 1971) 27.81 HES-0190(9), (IMPROV.) 1991 28.32 190B-01-91M (R) 1992

CONTINUED FROM SHEET #2

PUU LANI RANCH ROAD · POWER SUB-STATION PUUWAAWAA RANCH RD. · MAMALAHOA HWY · TRIG. STATION · SCENIC LOOKOUT · HUALALAI RANCH ROAD

20.21 MI. 20.92 MI. 21.33 MI. 21.47 MI. 21.96 MI. 22.92 MI. 23.96 MI. 24.96 MI. 25.96 MI. 27.07 MI. 27.11 MI. 27.60 MI. 27.96 MI. 28.96 MI. 29.38 MI. 29.96 MI.

CONTINUED ON SHEET #4

SCALE: (In Miles) 2" = 1 mile

20 21 22 23 24 25 26 27 28 29 30

Divided Highway — Undivided — Shoulder: Width and Type

4' DIRT 21.34 | 3' DIRT | 7' AC 28.42 | 7' GRAVEL

Pavement: Width and Type

22' AC | 27.36 21' AC 27.81 | 22' AC

Shoulder: Width and Type

5' DIRT 21.34 | 4' DIRT | 4' AC 28.42 | 7' GRAVEL

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

2–11' | 27.36 1–11' 1–10' 27.81 | 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)

2' AC GUTTER 27.81 28.42

Protective Devices: Type, Location and Number

21.04 21.09 CRM WALL | 28.10 28.15 | 28.54 28.72 28.87 28.90 29.04

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

22.82 +1 –5 23.12 23.30 23.39 +4 23.71 | 24.56 +1 24.96 | 25.41 –1 25.64 25.71 +1 25.86 25.90 +1 26.07 –2 26.16 26.56 26.62 –1 26.81 | 27.42 27.62 +1 | 28.73 –1 28.86 29.27 –1 29.58

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL

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

ROLLING

Speed: 1–Design, 2–Posted

55 MPH (2) (MINIMUM 40 MPH) 55 MPH (2) 28.32 55 MPH (2) 28.48 55 MPH (2) (MINIMUM 40 MPH)

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification

MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

28.39 F-10(5), 1956 F-10(6), 1954

STA. 8+82 STA. 406+50

(FAP 10-A, 1933) 28.30 .39 28.73 (FAP 10-A, 1932)

28.57

STA. 397+19 STA. –0+50

19C-01-70 (RESURF. & REHAB.), 1971 21.28 | 21.30 | 190B-01-71 (RESURFACE) 1971 F 10-A, 1932

HPMS

7.62 MI. 21.34

SCALE: (In Miles) 2" = 1 mile

20 21 22 23 24 25 26 27 28 29 30

Date Released	
OCT. 05, D.B.	
Revised	

ROAD INVENTORY

HAWAII RTE 190
MAMALAHOA HWY., PALANI RD.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
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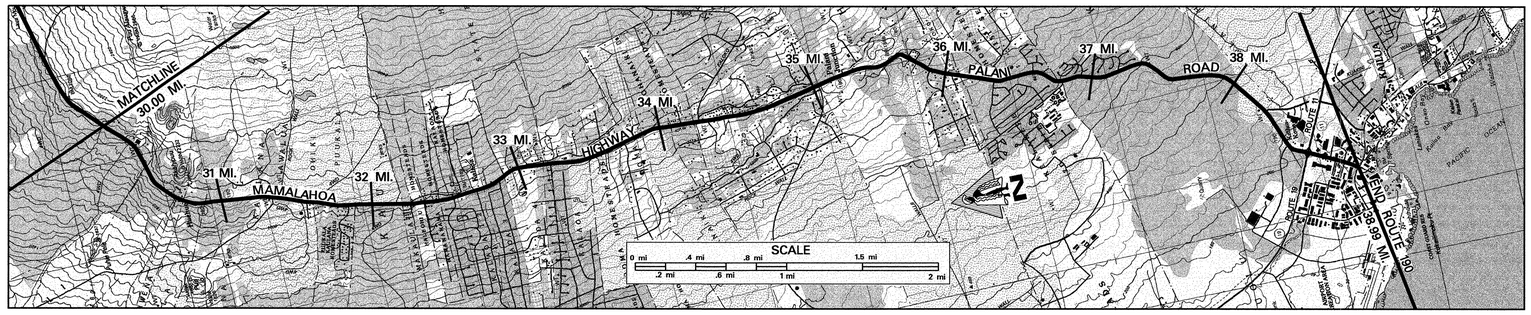
Total Route Length: 38.99 miles

a. Survey Length: 38.99 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

ADT Sections; ADT; Traffic Count and Truck Weight Stations

190 B (13.91 MI.) — BEGIN 190 B ON MAMALAHOA HWY AT THE CENTERLINE OF FASC 190

190 05 (21.62 MI.) | 190 06 (2.72 MI.) | 190 07 (1.54 MI.) | 190 08 (1.83 MI.) | 190 09 (0.36 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: 80'–217' | 40'–60'

Available Right of Way Width (Needs Study): BRUSH, GRASS & LARGE TREES | RESIDENTIAL AREA

Right of Way Fence: Type – Right and Left: STONEWALL 4'-8" FROM PAVEMENT | STONEWALL 4'-8" FROM PAVEMENT

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

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

Project No., Type of Construction, and Year Constructed: STP–0100(31) – GUARDRAIL IMPRV. 1994; (190B–02–91, (IMPRV.), 1993)

Project No., Type of Construction, and Year Constructed: 190B–01–91M, (R), 1992 | 190B–01–91M, (R), 1992

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #3

2000' ELEV. SIGN; HUEHUE RANCH ROAD; ROAD (R) MAKALEI HAWAII; ROAD; ROAD (R); ROAD BEGIN DIVIDED; KA'A LELE ST. ROAD DIVIDED (L); MAKA'ULA RD. BEGIN DIVIDED; ACCESS RD. LOLOA DR.; RD. TO CHURCH MAHLANI DR.; AHIKAWA ST.; KALAOA SCHOOL ROAD; END DIVIDED KAMEHAMEHA HWY. STORE KAMEHAMEHA BEGIN DIVIDED; HAMO ST. OOMA PL. AKINA PL. KALAOLOA ST.; STREET; ROAD (R); CHURCH OF GOD RD.; LIHAU ST.; MAKALAPUA RD. ROAD (R); 1500' ELEV. SIGN KALOKO DR.; END STATE HWY SIGN OLD MAMALAHOA HWY END DIVIDED; MAMALAHOA HWY BEGIN DIVIDED & BASE YARD; ONA ONA DR. (L) & ONA ONA DR. (R); HAO KUNI ST.; ROAD TO CHURCH METHODIST; PAMAHOA PL.; A ST.; TOMI TOMI DR. LAIMANA PL. ROAD; IWALANI PL. LAIMANA PL.; PALIHIOLO ST. KEALAKAA ST. OVERPASS; RD. TO WATER TANK; KONALANI ST.; END DIVIDED HWY BEGIN DIVIDED; END DIVIDED RD. TO WATER TANK BEGIN DIVIDED; QUEEN KAAHUMANU HWY (R) MAKALAPUU; KOPIKO STREET; LANIHAU ROAD; QUEEN KAAHUMANU HWY EXTENSION (L); SHOPPING CENTER ROADS; KONA COAST SHOPPING CENTER ROADS

MAMALAHOA HWY — PALANI ROAD

END RTE 190 ON PALANI ROAD AT THE N.E. EDGE OF PAV'T OF KUAKINI HWY. 38.99 MI.

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided
- Shoulder: Width and Type: 7' GRAVEL | 6' AC | 7' GRAVEL | 6' AC | 7' GRV | 6' AC | 2' AC | 0 (2'–10" AC)
- Pavement: Width and Type: 22' AC | 11' AC | 22' AC | 11' AC | 22' AC | 11' AC | 2' AC | 20' AC | 30' AC | 20' AC | 12' AC | 24' AC | 24' AC (12' AC)
- Shoulder: Width and Type: 7' GRAVEL | 0 | 7' GRAVEL | 0 | 7' GRAVEL | 0 | 7' GRV | 4' DIRT | 0 | 2' AC | 0 (1' AC)
- Median: Width and Type: 11' AC PAINTED (11' AC PAINTED) (0'–12' PAINTED AC) (0'–12' RAISED GRASS W/ CURB)
- Median Barriers: (0'–26' RAISED GRASS & TREE W/ CURB)
- Shoulder: Width and Type: 0 | 0 | 0 | 0 | (1' AC)
- Pavement: Width and Type: 11' AC | 11' AC | 11' AC | 12' AC | 24' AC (12' AC)
- Shoulder: Width and Type: 5' AC | 5' AC | 6' AC | 6' AC | 6' AC | (4' AC) 0

Number of Traffic Lanes: 2–11' | 2–10' | 2–12' | 4–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 11' (L) TLs | 11' TLs | 12' TLs

(Right Side)

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

Sidewalk: Width and Type (Right and Left): 4' CONC. S.W. | 4' CONC. S.W.

Curb and/or Gutter: Type (Right and Left): 4' AC S.W. | AC CURB | AC CURB | (2' GUTTER/CURB) | (2' GUTTER/CURB)

Protective Devices: Type, Location and Number — ALL GUARDRAILS METAL ON METAL, UNLESS OTHERWISE NOTED: METAL ON CONCRETE

Illumination: Type, Location and Number: MV

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative: –4 | –6 | –7 | –7 | –6

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL | URBAN

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

Speed: 1–Design, 2–Posted: 55 MPH (2); 55 MPH (2) (MINIMUM 40 MPH) | 45 MPH (2) | 35 MPH (2) | 25 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL | MAJOR COLLECTOR

National Highway System (NHS)

Previous Projects: Project No., Date and Limits: F–10(5), 1956; 190B–02–71, RESURF., 1971; F–10(5), 1954; 190B–01–86M, (R) 1986; STA. 41+00; COUNTY TO STATE – PHASE 3

HPMS

SCALE: (In Miles) 2" = 1 mile

Date Released
OCT. 05, D.B.

Revised	

ROAD INVENTORY

HAWAII RTE 197
KEALAKEHE PARKWAY

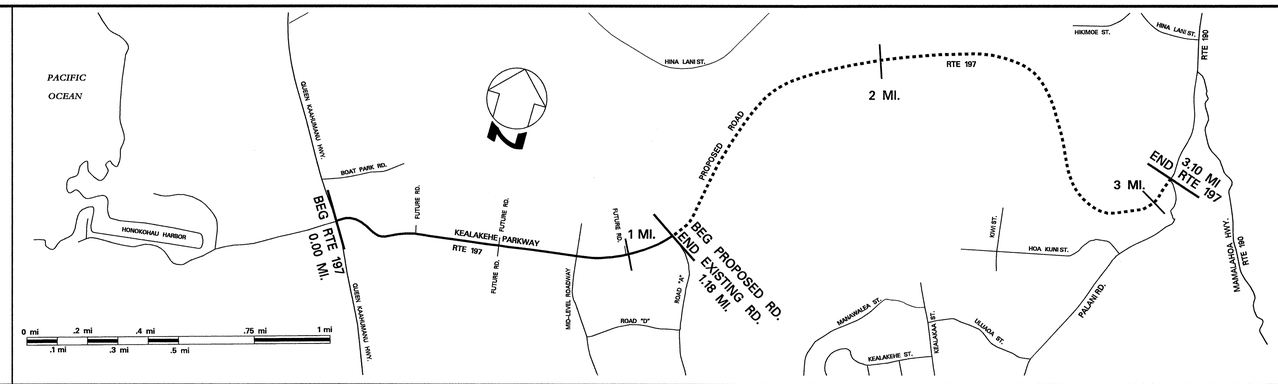
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

Total Designated Route Length:	3.10	MILES (a+b)
a. Existing Length:	1.18	MILES
b. Proposed Length:	1.92	MILES
Total Travel Way Length:	1.18	MILES (a+b, less c)
a. Existing Length:	1.18	MILES
b. Temporary Length:	0.00	MILES
c. Length used as T.W. for another Route:	0.00	MILES (–)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles) 4" = 1 mile — 0 | 1 | 2 | 3 | 4 | 5

Maintenance Control Sections : Length and Description

ADT Sections; ADT; Traffic Count and Truck Weight Stations

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. and Type of Construction

Year Project Constructed

Road Diagram

* MP = Milepost Signage

BEGIN RTE 197 ON KEALAKEHE PARKWAY AT THE N.E.e.p. OF QUEEN KAAHUMANU HWY. (RTE 11) — 0.00 MI.

BEGIN DIVIDED — 0.05 MI.

FUTURE RD Ⓔ — 0.30 MI.

FUTURE RD Ⓓ & Ⓑ — 0.58 MI.

ANE KEOHOKALOLE HWY Ⓒ & Ⓐ — 0.84 MI.

FUTURE RD Ⓛ — 1.01 MI.

KEALAKEHE PARKWAY — 1.18 MI.

END ON KEALAKEHE PKWY. @ C/L KEANALEHU DR. R (BEG. PROPOSED RD.)

Indicates Grass & / or Physical Barrier on Median.

PROPOSED ROAD

END RTE 197 ON PROPOSED ROAD @ S. e.p. OF PALANI ROAD. — 3.10 MI.

SCALE: (In Miles) 4" = 1 mile — 0 | 1 | 2 | 3 | 4 | 5

Divided Highway — Undivided

- Shoulder: Width and Type — 12' AC | 0 | 0'–14' AC | 0
- Pavement: Width and Type — 24'AC → 12'AC (0.47 / 0.97 / 1.13)
- Shoulder: Width and Type — 12' AC → 0 | 3'AC
- Median: Width and Type — 0.98 | 12' PAINTED AC | 6" AC (FLUSH) AC CURBS BOTH SIDES | 1.16 | 6"–15" AC (FLUSH) AC CURBS BOTH SIDES
- Shoulder: Width and Type — 0 | 3'AC
- Pavement: Width and Type — 12' AC | 24'AC
- Shoulder: Width and Type — 12' AC (0.83) 2'AC (1.13)

Number of Traffic Lanes — 2–12' (0.47) 1–12' / 2–12' → 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — 11'AC (0.79 / 2 / 1.16)

(Right Side) — 11'AC (2 / 0.97)

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

Sidewalk: Width and Type (Right and Left) — (0.97) 4' CONC. S.W.

Curb and/or Gutter: Type (Right and Left) — 2' GUTTER, CONC. CURB / CONC. CURB

Protective Devices: Type, Location and Number — METAL GUARDRAIL (0.48 / 0.24 / 0.21)

Illumination: Type, Location and Number — HPS Left Side Only

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 — (0.29) 2–Rolling

Speed: 1–Design, 2–Posted — 25 MPH ② (0.21) 35 MPH ②

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification — Minor Arterial | Minor Arterial

National Highway System (NHS) — None

Previous Projects: Project No., Date and Limits

HPMS

SCALE: (In Miles) 4" = 1 mile — 0 | 1 | 2 | 3 | 4 | 5

Date Released	
June 1999	
Revised	
5/06	G.N.

ROAD INVENTORY

HAWAII RTE 200
SADDLE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

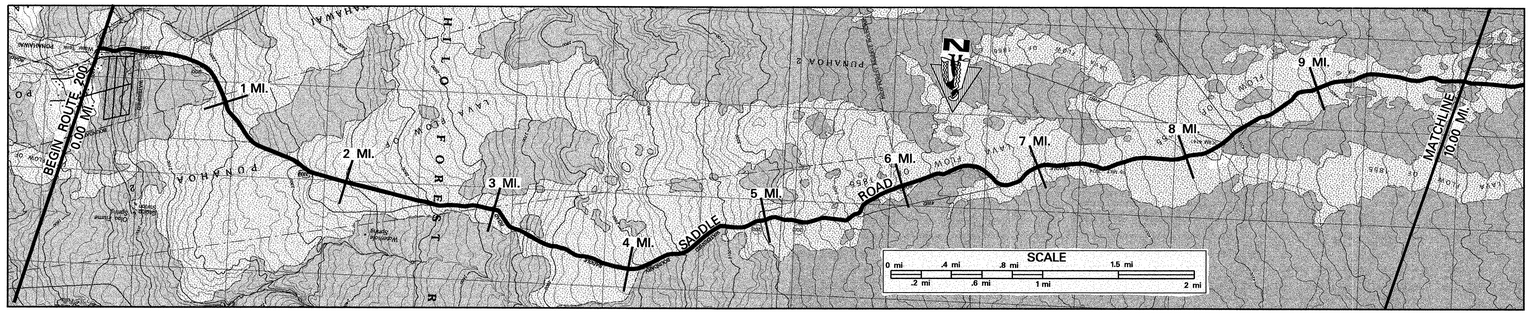
Total Route Length: 45.74 miles

a. Survey Length: 45.74 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



		SCALE: (In Miles) 2" = 1 mile	0 1 2 3 4 5 6 7 8 9 10
		Maintenance Control Sections : Length and Description	
		ADT Sections; ADT; Traffic Count and Truck Weight Stations	200 01 (45.79 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	ESTIMATED, VARIES 50'–150'
		Available Right of Way Width (Needs Study)	BUSHES, GRASS & TREES
		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)	COUNTY
		Project No., Type of Construction, and Year Constructed	
		Project No., Type of Construction, and Year Constructed	COUNTY (1.19) RS–0200(4), COUNTY PROJECT, 1987 (R) (3.12) RS–0200(3), COUNTY PROJECT, 1987 (R)

Road Diagram

* MP=Milepost Signage

BEGIN RTE 200 ON SADDLE ROAD AT THE HILO URBAN BOUNDRY (FOREST RESERVE SIGN) APROX. 0.17 MI. (897') S.E. OF TRIG STATION

TRIG STATION UA NAHELE ST. (0.00 MP) — HILO FOREST RESERVE SIGN (3.12 MP) — SADDLE ROAD — HILO FOREST RESERVE SIGN (8.06 MP)

0.17 MI. 0.18 MI. — 1.16 MI. — 2.24 MI. — 3.11 MI. 3.08 MI. — 4.10 MI. — 5.14 MI. — 6.10 MI. — 7.09 MI. — 8.13 MI. 8.06 MI. — 9.18 MI.

CONTINUED ON SHEET #2

		SCALE: (In Miles) 2" = 1 mile	0 1 2 3 4 5 6 7 8 9 10
Divided Highway	Undivided	Shoulder: Width and Type	2'–4' GRASS (1.19) 4' AC (3.12) 10' DIRT (3.96) 4' AC (4.63) 10' DIRT (6.30) 4' AC (6.58) 2' AC/10' DIRT (9.18) 4' AC (9.33) 10' DIRT
		Pavement: Width and Type	20' BST (1.19) 22' AC
		Shoulder: Width and Type	2'–4' GRASS (1.19) 4' AC (3.12) 10' DIRT (3.96) 4' AC (4.63) 10' DIRT (6.30) 4' AC (6.58) 2' AC/10' DIRT (9.18) 4' AC (9.33) 10' DIRT
	Divided	Median: Width and Type	
		Median Barriers:	
		Shoulder: Width and Type	
		Pavement: Width and Type	
		Shoulder: Width and Type	
		Number of Traffic Lanes	2–10' (1.19) 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
		Speed: 1–Design, 2–Posted	(NOT POSTED) (0.18) 35 MPH (2)
		Intersection Control Devices: Type, Location and Cycle Timing	
		Sight Distance: Minimum Passing PSD–	
		Minimum Stopping SSD–	
		Pavement Striping: No Passing Zones	
		Capacity: Service Volume–E	
		DOD Sections	
		Census Tracts	
		Functional Classification	MINOR ARTERIAL
		National Highway System (NHS)	
		Previous Projects: Project No., Date and Limits	
		HPMS	
		SCALE: (In Miles) 2" = 1 mile	0 1 2 3 4 5 6 7 8 9 10

Date Released
NOV. 05, D.B.
Revised

ROAD INVENTORY

HAWAII RTE 200
SADDLE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

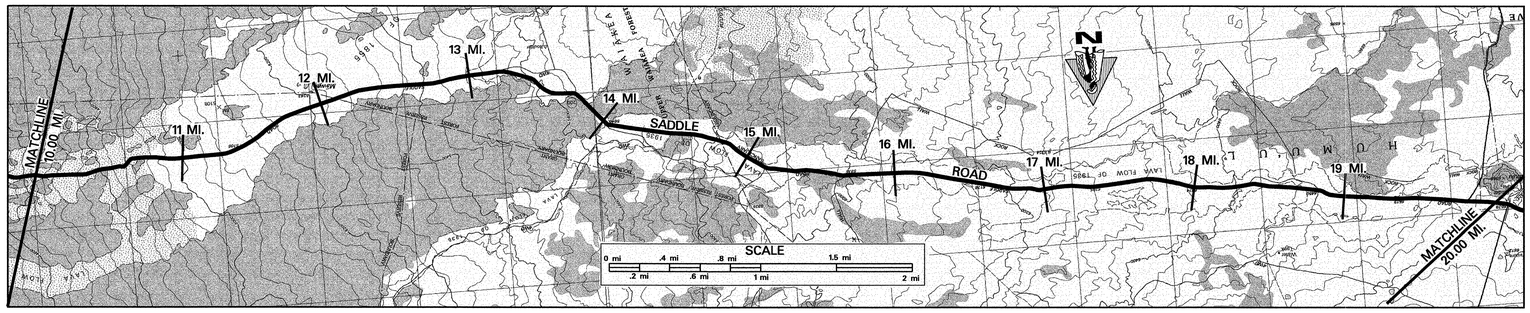
Total Route Length: 45.74 miles

a. Survey Length: 45.74 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Maintenance Control Sections : Length and Description

ADT Sections; ADT; Traffic Count and Truck Weight Stations — 200 01 (45.79 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 — VARIES 50'–100'

Available Right of Way Width (Needs Study) — BRUSH, GRASS AND TREES (11.24); 1000' CLEAR– LAVA ROCK – 10'–15' FROM EDGE OF PAVEMENT

Right of Way Fence: Type – Right and Left — (14.48) (14.71) (WOOD ON WOOD 40' FROM E.P.)

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

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

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed — RS-0200(3), COUNTY PROJ., 1987, (R) (11.07); COUNTY

Road Diagram

* MP = Milepost Signage

CONTINUED ON SHEET #1

DISTRICT OF SOUTH HILO SIGN

MAUNA LOA OBSERVATORY ROAD

CONTINUED ON SHEET #3

18 MP 19 MP 20 MP 21 MP 23 MP 23 MP 24 MP 25 MP 26 MP

SADDLE ROAD

10.05 MI. 11.06 MI. 12.05 MI. 13.04 MI. 14.08 MI. 14.81 MI. 15.03 MI. 16.06 MI. 17.05 MI. 18.04 MI. 19.74 MI.

SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Divided Highway — Undivided

Shoulder: Width and Type — 10' DIRT | 4' AC | 10' DIRT | 2' | 10' DIRT | 2'–4' GRASS (11.87) | 6' GRASS | 6' GRV. (13.91) | 2' AC (14.09) | 6' GRASS | 4' GRAVEL

Pavement: Width and Type — 22' AC (4' AC) (11.07) | 20' BST (13.91) | 20' BP (15.81) | 20' AC

Shoulder: Width and Type — 10' DIRT | 4' AC | 10' DIRT | 2' | 10' DIRT | 2'–4' GRASS (11.87) | 6' GRASS | 6' GRV. | 6' GRASS | 4' GRAVEL

Divided Highway

Median: Width and Type — (10.33) (10.43) (10.84) (10.94)

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes — 2–11' (11.07) | 2–10' (13.91) | 2–9' (14.09) | 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)

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 | FLAT (19.26)

Speed: 1–Design, 2–Posted — 35 MPH (2) (10.88) | 45 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification — MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

HPMS — (11.87) 2.04 MI. (13.91)

SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Date Released
NOV. 05, D.B.
Revised

ROAD INVENTORY

HAWAII RTE 200
SADDLE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

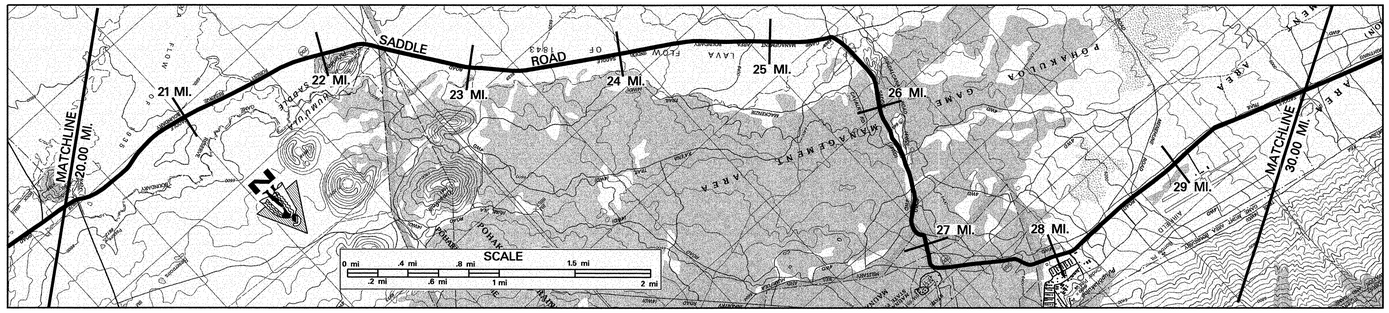
Total Route Length: 45.74 miles

a. Survey Length: 45.74 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

20 21 22 23 24 25 26 27 28 29 30

Maintenance Control Sections : Length and Description

ADT Sections; ADT; Traffic Count and Truck Weight Stations — 200 01 (45.79 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 — VARIES 50'–150'

Available Right of Way Width (Needs Study) — 1000' CLEAR – LAVA ROCK W/ SMALL BUSHES 10'–15' FROM E.P. (25.46) 1000' CLEAR – GRASSLAND W/ BUSHES & SMALL TREES 10'–15' FROM E.P.

Right of Way Fence: Type – Right and Left — 28.76 27.81 (WIRE ON METAL 10' FROM E.P.) 27.00 28.38 28.57

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

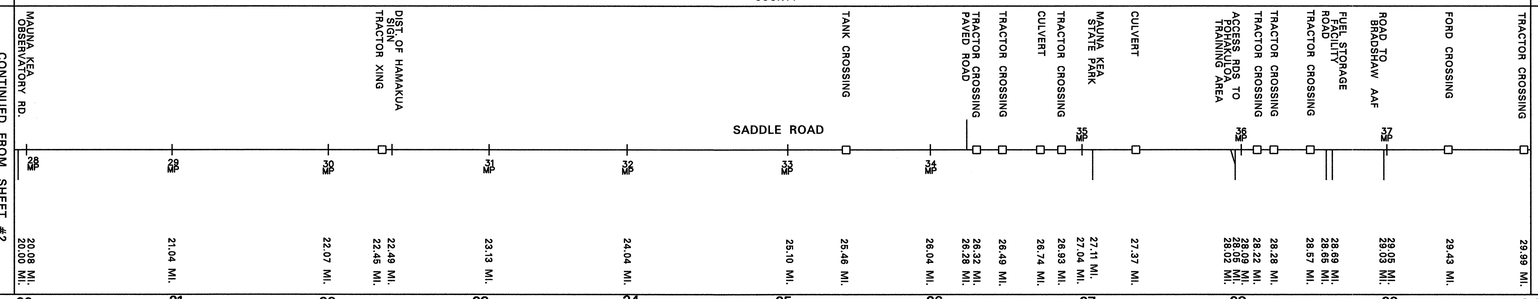
Jurisdiction, Transfer Phase No. and Date (C to S or S to C) — COUNTY

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed — COUNTY

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 2" = 1 mile

20 21 22 23 24 25 26 27 28 29 30

Divided Highway — Undivided
- Shoulder: Width and Type — 4' GRAVEL | 3' DIRT/CINDER | 6' GRAVEL | 5' GRASS/GRAVEL
- Pavement: Width and Type — 20' AC (22.32) 20' BP
- Shoulder: Width and Type — 4' GRAVEL | 3' DIRT/CINDER (25.42) 4' GRASS/GRAVEL (27.04) 5' GRASS/GRAVEL
- Median: Width and Type
- Median Barriers:
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type

Number of Traffic Lanes — 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)

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 (22.98) ROLLING (28.02) FLAT

Speed: 1–Design, 2–Posted — 45 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification — MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

HPMS — (20.04) (2.28 MI.) (22.32) (27.04) (0.53 MI.) (28.37)

SCALE: (In Miles) 2" = 1 mile

20 21 22 23 24 25 26 27 28 29 30

Date Released
NOV. 05, D.B.
Revised

ROAD INVENTORY
HAWAII RTE 200
SADDLE ROAD

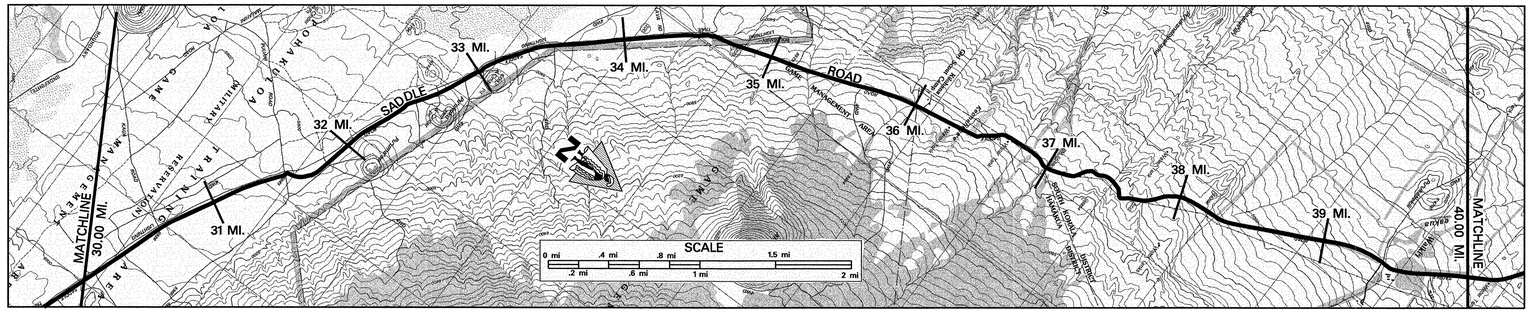
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
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PREPARED BY THE
HIGHWAY PLANNING BRANCH

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U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 45.74 miles
a. Survey Length: 45.74 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

30 31 32 33 34 35 36 37 38 39 40

Maintenance Control Sections : Length and Description	
ADT Sections; ADT; Traffic Count and Truck Weight Stations	200 01 (45.79 MI.)
Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed	CULVERT–CORR. METAL PIPE 1957, HS–20
Structure Carrying Road — Vertical Clearance	4' (38.33)
Structure Carrying Road — Horizontal Clearance	16'
Structure Over Road — Vertical Clearance	
Structure Over Road — Horizontal Clearance	
Right of Way Width (min.–max.) if varies	ESTIMATED 100'–150'
Available Right of Way Width (Needs Study)	1000' CLEAR– PASTURELAND 30' FROM EDGE OF PAVEMENT
Right of Way Fence: Type – Right and Left	ALL WIRE ON WOOD 30' FROM EDGE OF PAVEMENT (35.95, 36.05, 36.24, 38.27)
Control of Access: 1–None, 2–Partial, 3–Full	NONE (36.05)
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	COUNTY
Project No., Type of Construction, and Year Constructed	COUNTY

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #3

TRACTOR CROSSING (39 MP, 30.09 MI.)
TRACTOR CROSSING (40 MP, 30.51 MI.)
TRACTOR CROSSING (41 MP, 31.08 MI.)
BEGIN SR 200 S.E. OF POWER POLE #117. (41 MP, 31.42 MI.)
TRACTOR CROSSING (42 MP, 31.72 MI.)
CULVERT (32.12 MI.)
CULVERT (32.36 MI.)
CULVERT (32.58 MI.)
KILOHANA HUNTER CHECKING STATION (33.13 MI.)
RD. TO KILOHANA GIRL SCOUT CAMP (44 MP, 33.37 MI.)
SOUTH KOHALA / HAMAKUA DIST. BOUNDRY (34.05 MI.)
CULVERT (34.14 MI.)
CULVERT (34.50 MI.)
CULVERT (34.74 MI.)
CULVERT WAKIL DEVELOPMENT (34.63 MI.)
ROAD (35.14 MI.)
ROAD (35.16 MI.)
POWER SUB STATION (35.53 MI.)

SADDLE ROAD

CONTINUED ON SHEET #5

SCALE: (In Miles) 2" = 1 mile

30 31 32 33 34 35 36 37 38 39 40

Divided Highway — Undivided — Shoulder: Width and Type	5' GRASS / GRAVEL (30.09–33.37 MI.); 3'–6' GRASS (33.37–39.89 MI.)
Divided Highway — Undivided — Pavement: Width and Type	20' BP (30.09–30.92); 22' BP (30.92–31.47); 20' BP (31.47–31.97); 18' BP (31.97–32.77); 20' BP (32.77–33.37); 20' AC (33.37–39.89)
Divided Highway — Undivided — Shoulder: Width and Type	5' GRASS / GRAVEL (30.09–33.37 MI.); 3'–6' GRASS (33.37–39.89 MI.)
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	2–10' (30.09–30.92); 2–11' (30.92–31.47); 2–10' (31.47–31.97); 2–9' (31.97–32.77); 2–10' (32.77–39.89)
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	FLAT (30.09–31.61); ROLLING (31.61–39.89)
Speed: 1–Design, 2–Posted	45 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	
Sight Distance: Minimum Passing PSD–	
Minimum Stopping SSD–	
Pavement Striping: No Passing Zones	
Capacity: Service Volume–E	
DOD Sections	
Census Tracts	
Functional Classification	MINOR ARTERIAL
National Highway System (NHS)	
Previous Projects: Project No., Date and Limits	
HPMS	0.50 MI. (31.47–31.97)

SCALE: (In Miles) 2" = 1 mile

30 31 32 33 34 35 36 37 38 39 40

Date Released
FEB. 2006 D.B.
Revised

ROAD INVENTORY

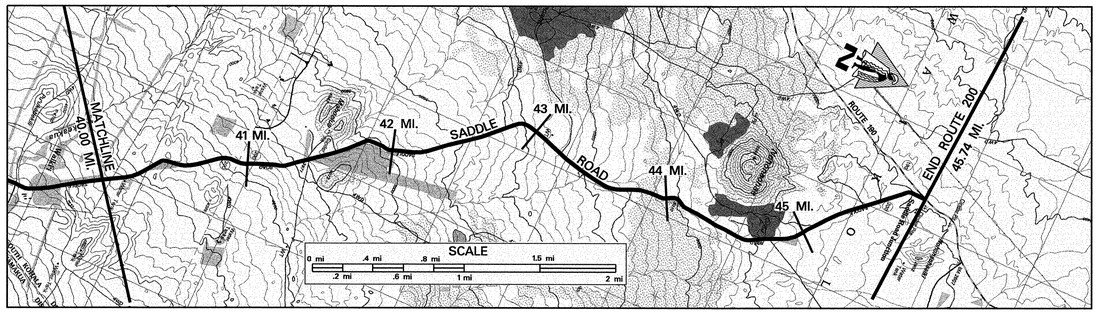
HAWAII RTE 200
SADDLE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Route Length: 45.74 miles
a. Survey Length: 45.74 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

ADT Sections; ADT; Traffic Count and Truck Weight Stations — 200 01 (45.79 MI.)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed — SLAB 1957 HS-20 (43.28) | SLAB 1957 HS-20 (44.93)

Vertical Clearance — 21' | 39'

Horizontal Clearance — 22' | 24'

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 — WIRE/WOOD (40.41) | WIRE ON WOOD (41.80) | WIRE ON WOOD (43.08) | WIRE ON WOOD (44.05)

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

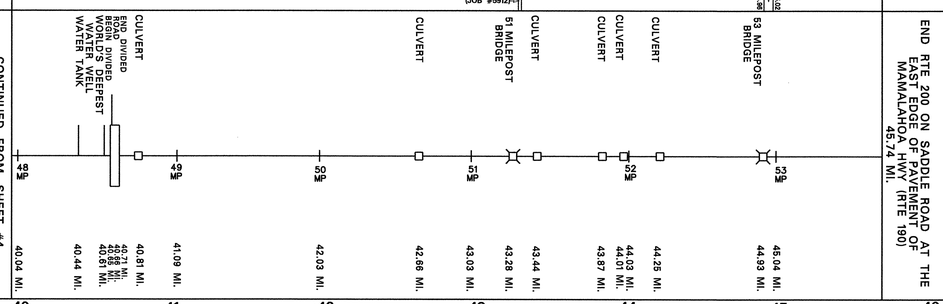
Jurisdiction, Transfer Phase No. and Date (C to S or S to C) — COUNTY

Project No., Type of Construction, and Year Constructed — (JOB #5912) (43.28) (45.02)

Project No., Type of Construction, and Year Constructed — (JOB #5912)

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type — 3'–6' GRASS

Pavement: Width and Type — 20' AC | (10' AC) | 20' AC

Shoulder: Width and Type — 3'–6' GRASS | 0 | 3'–6' GRASS | 3'–6' GRASS

Median: Width and Type — (0'–10' PAINTED AC) | (6' DIRT)

Median Barriers:

Shoulder: Width and Type — 0

Pavement: Width and Type — (10' AC)

Shoulder: Width and Type — (3'–6' GRASS)

Number of Traffic Lanes — 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 — (STEEL ON STEEL) | (STEEL ON STEEL)

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

Speed: 1–Design, 2–Posted — 45 MPH (2) | (NOT POSTED)

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification — MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

HPMS

SCALE: (In Miles) 2" = 1 mile

Date Released
NOV. 05, D.B.
Revised

ROAD INVENTORY
HAWAII RTE 220
HONOMU RD., MAMALAHOA HWY., AKAKA FALLS RD.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

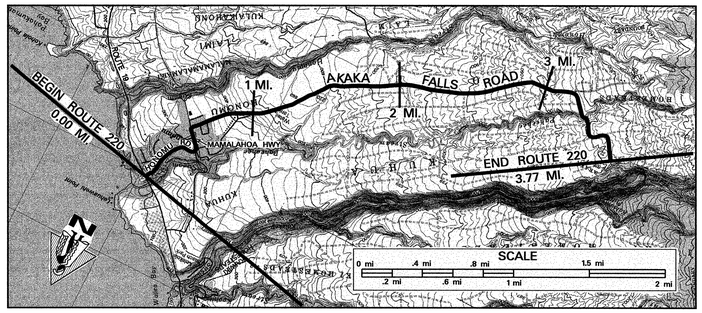
Total Route Length: 3.77 miles

a. Survey Length: 3.77 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*

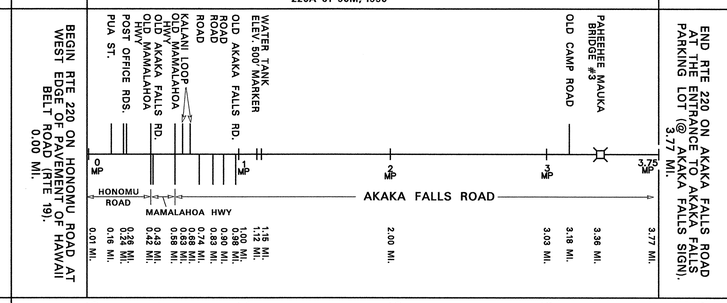


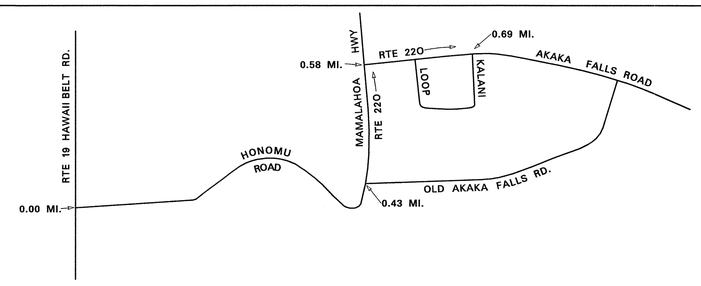
SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description	END 220A SAME AS ROUTE — 220A (3.76 MI.) — BEG 220A SAME AS ROUTE
ADT Sections; ADT; Traffic Count and Truck Weight Stations	220 01 (3.77 MI.)
Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed	SLAB 1927 H10
Structure Carrying Road — Vertical Clearance	27'
Structure Carrying Road — Horizontal Clearance	14'
Structure Over Road — Vertical Clearance	
Structure Over Road — Horizontal Clearance	
Right of Way Width (min.–max.) if varies	40'–50' (0.43) 80' (0.61) 40' (1.06) 80'
Available Right of Way Width (Needs Study)	RESIDENTIAL AREA (0.89) 1000' CLEAR SUGAR CANE FIELD – 15' 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)	STA 8+70 — STATE
Project No., Type of Construction, and Year Constructed	STA 21+87.59 — 220A–01–03M RESURF 2005 (0.98) — 220A–01–02M, (R), 2004
Project No., Type of Construction, and Year Constructed	220A–01–90M, 1990

Road Diagram

* MP = Milepost Signage





SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided — Shoulder: Width and Type	4' AC (0.24) 5' AC (0.43) 4' AC (0.58) — 4' AC
Divided Highway — Undivided — Pavement: Width and Type	22' AC — 24' AC (3.21) — 22' AC
Divided Highway — Undivided — Shoulder: Width and Type	4' AC (0.42) 3' GRASS — 4' AC
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	2–11' (0.42) 2-1' (0.98) — 2–12' (3.21) — 2–11'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	(0.43) 8' PARKING LANES
(Right Side)	(0.43) (0.98)
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	
Curb and/or Gutter: Type (Right and Left)	(0.38) — (3.61)
Protective Devices: Type, Location and Number — ALL GUARDRAILS ARE METAL ON METAL	(0.14) (0.24) (0.28) (0.35) (0.42) — (3.29) (3.39) (3.47) (3.48) (3.86)
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 (1.29) (3.44)
Speed: 1–Design, 2–Posted	25 MPH (2) (1.08) (30 MPH (1)) 45 MPH (1) 45 MPH (2) (35 MPH (1)) 25 MPH (1) 25 MPH (1) (3.25)
Intersection Control Devices: Type, Location and Cycle Timing	
Sight Distance: Minimum Passing PSD–	
Minimum Stopping SSD–	
Pavement Striping: No Passing Zones	
Capacity: Service Volume–E	
DOD Sections	
Census Tracts	
Functional Classification	MAJOR COLLECTOR
National Highway System (NHS)	
Previous Projects: Project No., Date and Limits	3.62 (STP-0100(31), 1994)
	(220A-01-72, 1972 (R)) 0.48 (S-246-1, 1950) — 220A-01-79M, 1978 (R); PMS-0100(8), UNIT 5
	0.43 CTY. 0.59 1.11 (220A-02-72, 1973) — A-220-01-64, 1965 — 2.69 COUNTY 3.07 A-22-01-61, 1961 3.62 CTY.
	(S-246-1, 1950) 0+16 0+10 27+50 105+00 21+50 37+00 7+50
HPMS	0.03 0.36 3.39

SCALE: (In Miles) 2" = 1 mile

Date Released
SEPT 05, DB

Revised	
5/06	G.N.

ROAD INVENTORY

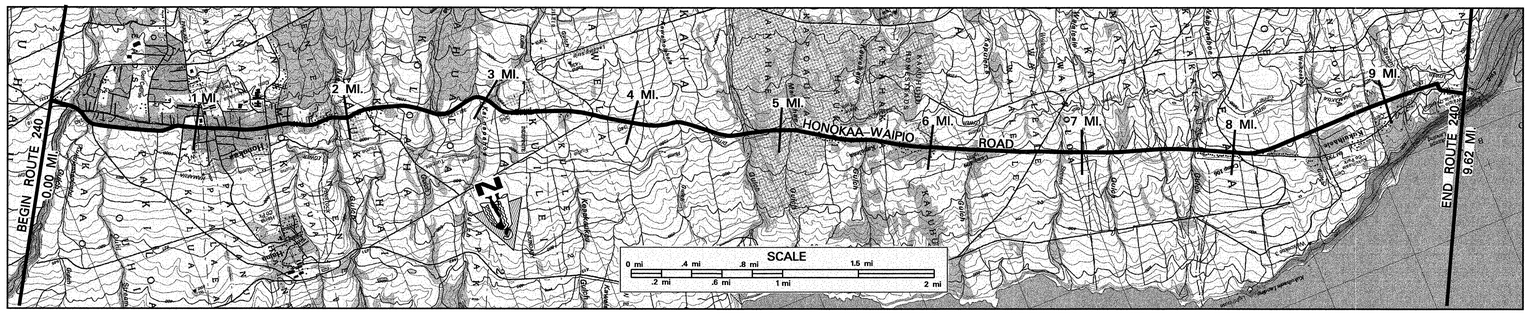
HAWAII RTE 240
HONOKAA–WAIPIO RD. & MAMANE ST.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Route Length: 9.62 miles
a. Survey Length: 9.62 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

ADT Sections; ADT; Traffic Count and Truck Weight Stations

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

Vertical Clearance

Horizontal Clearance

Structure Being Crossed — Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Feet)

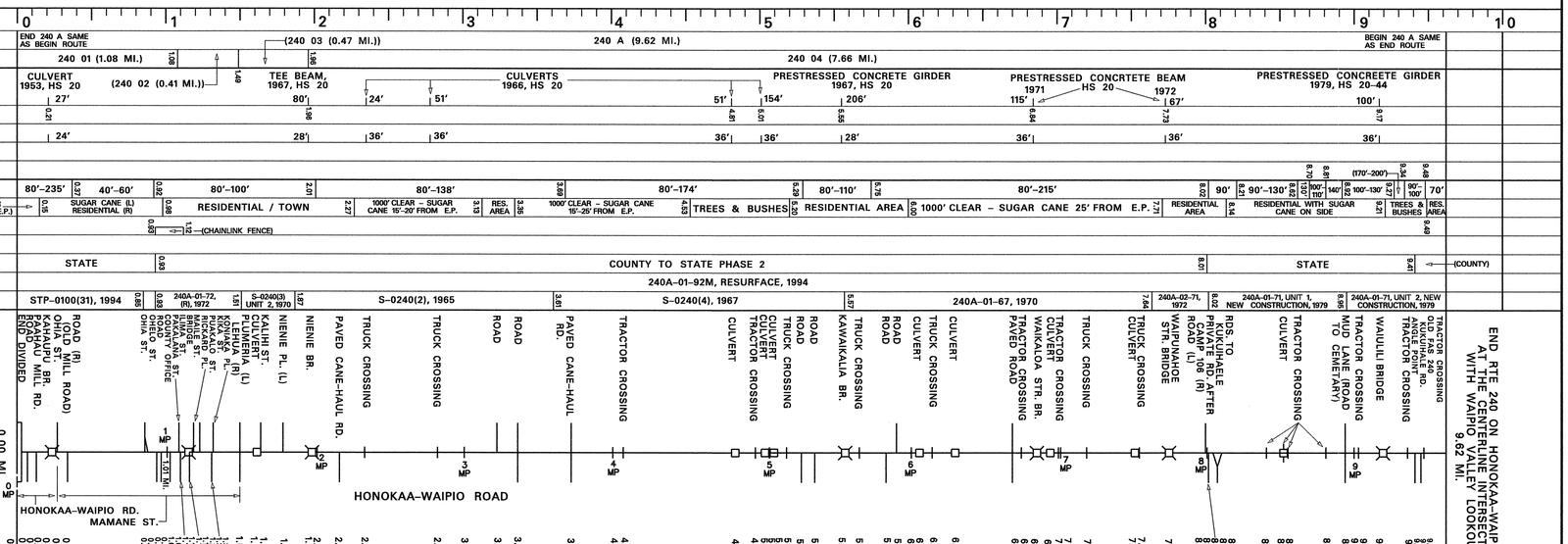
Right of Way Fence: Type – Right and Left

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

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

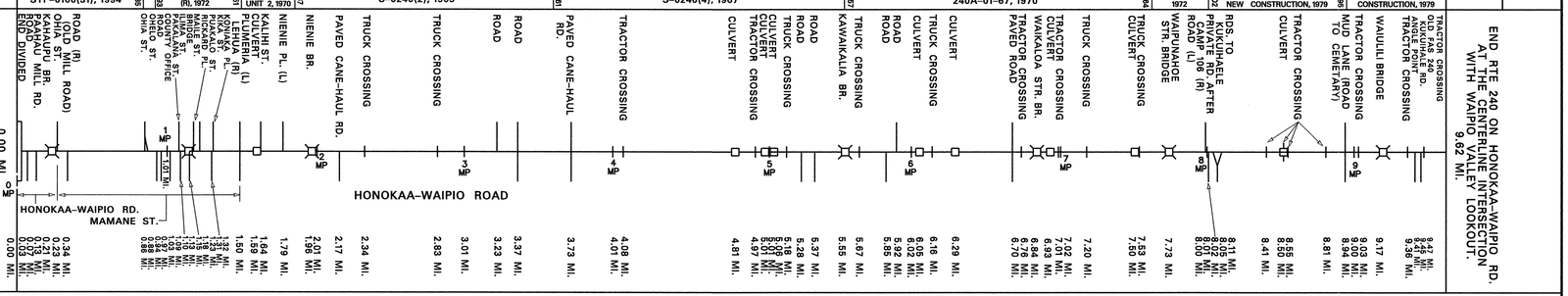
Project No., Type of Construction, and Year Constructed

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

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

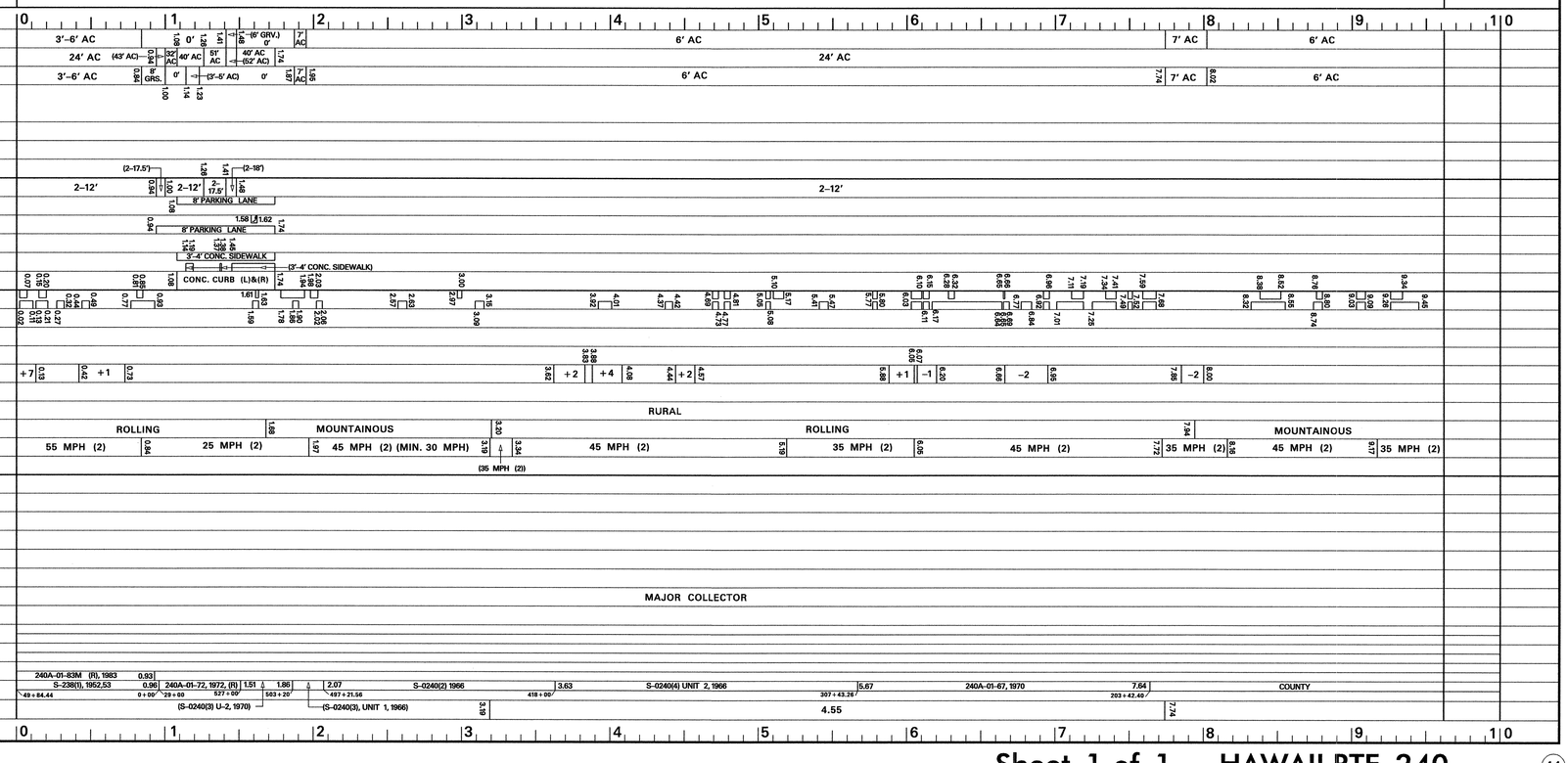
Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

HPMS

SCALE: (In Miles) 2" = 1 mile



Date Released
OCT. 05, DB
Revised

ROAD INVENTORY

HAWAII RTE 250
KOHALA MOUNTAIN ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

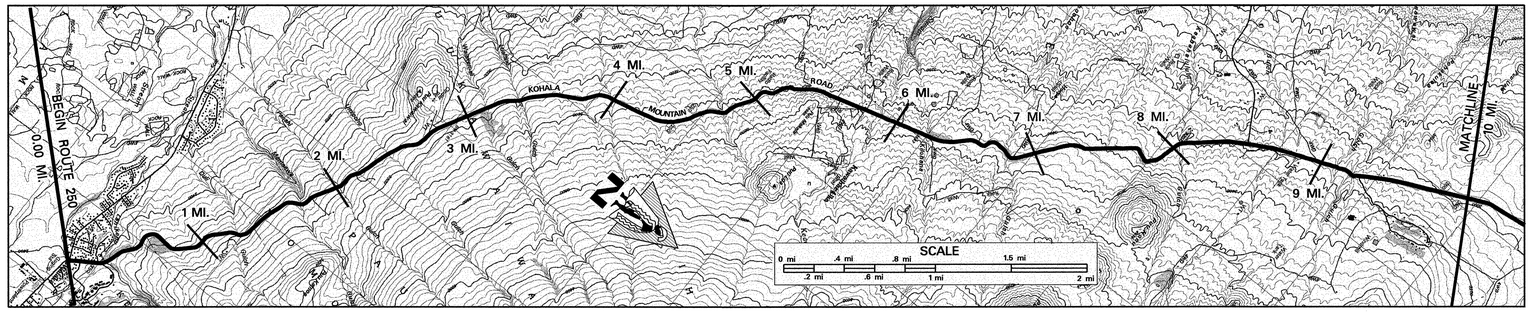
Total Route Length: 19.28 miles

a. Survey Length: 19.28 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Maintenance Control Sections : Length and Description
Begin 250A on Kohala Mountain Road 34' N.W. of West E.P. of Kawaihae Rd. | 250 A (19.23 mi.)

ADT Sections; ADT; Traffic Count and Truck Weight Stations
250 01 0.22 | 250 02 (17.16 mi.)

Structure Carrying Road
- **Bridges (Over 20'): Length, Type, Capacity and Year Constructed**: 50' Slab HS 20 1961 (5.90); 31' Culvert H20 1953 (6.82)
- **Vertical Clearance**
- **Horizontal Clearance**: 36' | 18'

Structure Over Road
- **Vertical Clearance**
- **Horizontal Clearance**

Right of Way Width (min.–max.) if varies
(Stonewall) 0.11 0.00 | 60' | 3.88 | 80'–120' | 4.64 | 80'–130' | 5.39 | 80'–145' | 5.85 | 80' | 6.87 | Estimated 80'–140' | 7.45

Available Right of Way Width (Needs Study)
W/W 1.42 | W/W 1.54 30' E.P. | W/W 2.25 2.48 20' E.P. | 2.73 Mountainous Ranch / Pastureland with Trees | W/W 50' E.P. | W/W 25' E.P. | W/W 10' E.P. | 5.28 | 6.03 6.58 W/W 20' E.P. | 6.87 Heavy Trees | 7.45 Mountainous Pasture with Trees (1000' Clear most of the way)

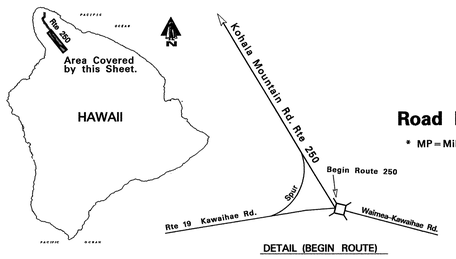
Right of Way Fence: Type – Right and Left W/W=Wire on Wood, E.P.=from Edge of Pavement
Wood Fence 0.00 0.21 0.55 Wire on Wooden Posts 10'–50' from Edge of Pavement 9.61

Control of Access: 1–None, 2–Partial, 3–Full
3.10 3.28 3.85 4.00 None

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

Project No., Type of Construction, and Year Constructed
(250A-01-91M (R) 1992) 3.85 3.98

Project No., Type of Construction, and Year Constructed
250A-01-90M (R) 1991 | STP-0100 (31), 1994 Guardrail Improv. | 6.40 250A-01-91M (R) 1992 | 7.64 250A-01-92M (R) 1993



Road Diagram

* MP=Milepost Signage

BEGIN ROUTE 250 ON KOHALA MOUNTAIN ROAD AT THE N.W. EDGE OF PAVT OF KAWAIHAE ROAD. (SEE DETAIL)

0.00 mi. 0.24 0.00 mi. | Road to Lanikepu Estates Roads to Hawaii Prep Academy Kawaihae Rd. | Culvert | 3000' Elev. Sign | KOHALA MOUNTAIN ROAD | Road to Com. Sta. | Lookout | Honokoa Bridge | 3564' Crest | Kawaihae Uka Bridge | Culvert "District of North Kohala" Sign | Road to Kohala Ranch | Kahua Ranch Road Culvert | Culvert | 3000' Elev. Sign Culvert

0.00 mi. 0.02 mi. 0.08 mi. 0.12 mi. 0.31 mi. 0.43 mi. 1.08 mi. 1.43 mi. 2.16 mi. 2.44 mi. 3.44 mi. 4.44 mi. 5.07 mi. 5.35 mi. 5.44 mi. 5.90 mi. 6.32 mi. 6.45 mi. 6.82 mi. 7.45 mi. 8.06 mi. 8.24 mi. 8.45 mi. 8.50 mi. 9.21 mi. 9.49 mi. 9.63 mi. 9.78 mi. 9.80 mi.

MP 3 KM 3 MP 4 MP 5 MP 5 KM 6 MP 7 MP 8 MP 9 MP 10 MP 11 MP 12 MP 13 MP

CONTINUED ON SHEET #2.

SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Divided Highway – Undivided
- **Shoulder: Width and Type**: 1' AC/ 6' Grs. 0.24 | 2' AC 0.35 (4' AC / 2' Grv.) 0.80 | 2' AC / 4' Grs. 1.79 | 2' AC / 8' Grs. 2.78 | 2' AC / 2' Grs. | 6'–10' AC 4.01 | 2' AC / 4' Grs. 8.71 | 2' AC / 6' Grs.
- **Pavement: Width and Type**: 20' AC 2.65 | 18' AC 3.84 | 24' AC 4.08 | 18' AC (23' AC) 5.38 | 25' AC 6.11 | 20' AC 7.48 | 18' AC 8.16 | 20' AC
- **Shoulder: Width and Type**: 4' AC / 2' Dirt 0.70 | 2' AC / 2' Grs. 4.20 | 6'–8' AC 4.42 | 2' AC / 2' Grs. 5.33 | 2' AC/ 8' Grv. 5.53 | 2' AC / 4' Grs. 6'–8' AC 8.24 | 2' AC / 2' Grs.
- **Median: Width and Type**
- **Median Barriers:**
- **Shoulder: Width and Type**
- **Pavement: Width and Type**
- **Shoulder: Width and Type**

Number of Traffic Lanes
2–10' 2.65 | 2–9' 3.84 | 2–12' 4.56 | 2–9' 5.34 | (1–11') 1–13' 1–12' 6.41 | 2–10' 7.48 | 2–9' 8.16 | 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 All Metal Rails on Metal Posts unless otherwise noted. M/C=Metal Rails on Concrete Posts.
0.38 0.55 0.53 0.49 0.44 0.61 0.70 | 1.61 1.71 1.79 1.87 1.93 2.01 2.04 2.12 2.17 2.31 2.34 2.39 2.45 2.59 2.39 | 3.12 3.23 3.27 3.14 | M/C 3.88 4.01 4.00 3.98 | 4.28 4.41 4.39 4.29 4.49 4.42 4.54 | 5.32 5.56 5.61 5.67 M/C 5.62 | 5.85 6.03 6.08 6.11 6.23 6.12 6.23 6.57 M/C | 6.82 6.81 M/C M/C | 9.20 M/C M/C

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 0.24 | 1.77 | Rural

Terrain: 1–Flat, 2–Rolling, 3–Mountainous Rolling 0.38 | Mountainous | 5.74 Rolling

Speed: 1–Design, 2–Posted 25 MPH (Not Posted 0.27) | 35 MPH

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification Major Collector

National Highway System (NHS)

Previous Projects: Project No., Date and Limits
250A-01-73, 1973 | 250A-01-91M (R) 1992 | 7.64
0.29 | FAP E-11A 1933) 776+09.30 | FAP E-11A 1932 | 3.85 | (250A-01-72 (R), 1972) | 5.83 | 250A-01-76M, 1975 | 6.39
S-239(1) 1954, 56 4.54 | 4.62 250A-01-75M, 1975 5.35 | 5.37 | 5.86 S-0250 (1), 1956 6.40 439+06.82 | 250A-01-72 (R) 1972 | 8.76 | 250A-03-72 (R) 1972
570+00 593+37.97 (S-0250 (2), 1961) 468+55 | 2.65 0.66 3.31 | 5.89 0.53 6.41

HPMS

SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Date Released
Nov. 2003, D.B.
Revised

ROAD INVENTORY

HAWAII RTE. 250

KOHALA MOUNTAIN ROAD AND HAWI ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

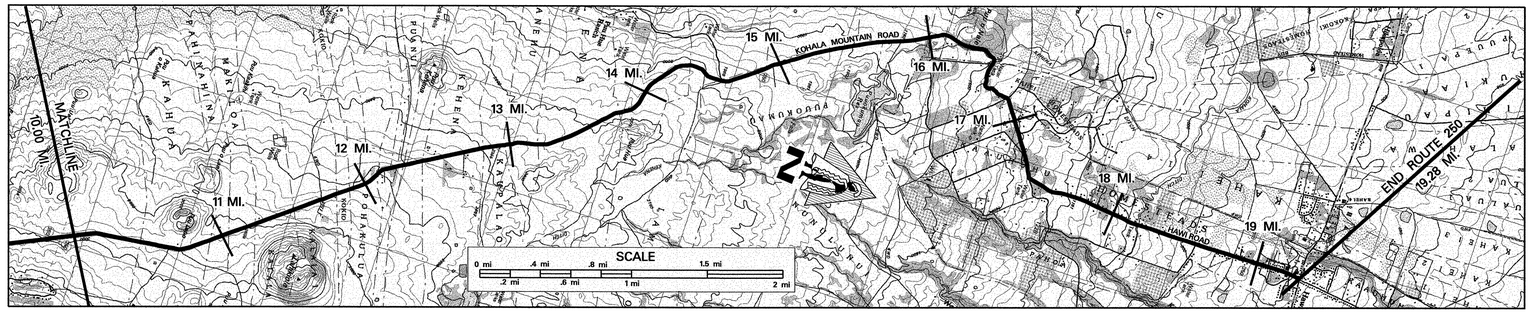
Total Route Length: 19.28 miles

a. Survey Length: 19.28 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Maintenance Control Sections : Length and Description

250A (19.23 mi.)

ADT Sections; ADT; Traffic Count and Truck Weight Stations

250–02 (17.16 mi.) | 17.28 | 250 03 (1.19 mi.) | 18.47 | 250 04 (0.71 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

Estimated 80'–140' | 14.96 | 17.28 | Estimated 80'–100'

Available Right of Way Width (Needs Study)

12.41 | 13.88 | Mountainous, Pasture w/ Trees (1000' Clear, Most of the Way) | 16.16 | 16.54 | 16.82 | 18.72 | 18.85

Right of Way Fence: Type – Right and Left W/W=Wire on Wood, E.P.=from Edge of Pavement

W/W 20' E.P. | W/W 15'–50' E.P. | W/W 15' E.P. | W/W 15' E.P. | W/W 12' E.P. | W/W 20' E.P. | W/W 10' E.P. | W/W 12' E.P.

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

12.48 | None | 15.35 | 15.80 | 16.58 | 17.59 | 18.13 | 18.66 | 18.71

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

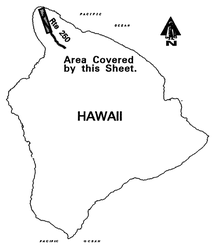
State

Project No., Type of Construction, and Year Constructed

STA 220+00 | 250A–01–02M, Resurface 2005 | STA 121+50 | 16.91

Project No., Type of Construction, and Year Constructed

250A–01–92M,(R) 1993 | 15.43 | 250A–01–96M, Resurface 2000 | 16.60 | 250A–01–89M (R) 1989 | 17.28 | 250A–01–91M (R) 1992



Road Diagram

* MP=Milepost Signage

CONTINUED FROM SHEET #1

Culvert 10.50 mi. | Culvert Ranch Road 11.45 mi. | Culvert 11.67 mi. | 2500' Elev. Sign 11.80 mi. | Driveway 12.46 mi. | Culvert 12.48 mi. | Paved Road 12.82 mi. | Paved Road 13.45 mi. | Paved Road 14.45 mi. | Rd. to FAA Station 15.48 mi. | Paved Road 16.17 mi. | Keam Preschool 16.45 mi. | Beers Road (L) 16.52 mi. | Iki Road (R) 16.84 mi. | Pu'u Mamo Drive 16.90 mi. | Kymnerly Road 17.09 mi. | Kalnoa Road 17.29 mi. | angle point 17.38 mi. | Future Development 18.45 mi. | Kaauhuhu Road 18.55 mi. | Paved Road 18.87 mi. | Paved Road (L) 19.10 mi. | END ROUTE 250 ON HAWI ROAD AT THE SOUTH E.P. OF AOAO PULE HWY. 19.28 MI.

KOHALA MOUNTAIN ROAD — HAWI ROAD

STA 238+80 | STA 198+50

SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Divided Highway — Undivided

Shoulder: Width and Type

2' AC/ 6' Grs. | 10.43 | 1' AC / 4' Grs. | 11.50 | 1' AC / 2' Grs. | 12.76 | 2' AC / 2' Grs. | 14.59 | 2' AC/ 6' Grs. | 14.68 | 1' AC / 2' Grs. | 16.69 | 2' AC / 4' Grs. | 16.80 | 2' AC / 6' Grs. | 17.38 | 0 | 19.35 | 6' AC

Pavement: Width and Type

20' AC | 16.84 | 22' AC | 17.41 | 20' AC

Shoulder: Width and Type

2' AC / 2' Grs. | 11.26 | 6' Grs. | 11.88 | 4' Grs. | 13.05 | 2' AC / 4' Grs. | 17.28 | 2' AC/ 10' Grs. | 17.38 | 2' Grass | 18.76 | 1 | 19.22

Median: Width and Type

(4' AC) (15'–20' AC)

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

2–10' | 12.71 | 2–9' | 16.84 | 2–11' | 17.41 | 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 Metal Rail on Metal Post unless otherwise noted. M/C=Metal Rail on Concrete Post.

16.49 | M/C | 16.88 | 16.96 | 17.00 | 17.02 | 17.23 | M/C | 17.25 | M/C | 17.21 | 17.79 | 17.27 | 17.28

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 (2)

Speed: 1–Design, 2–Posted

35 MPH | 18.72 | 25 MPH

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification

Major Collector

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

250–01–86M, (Resurface) 1986 | 13.08 | 250A–01–89M (R) 1989 | 17.38

10.43 | 250A–01–86M, 1986 (R) | 13.46 | S239(1), 1956

10.19 | 10.55 | 250A–01–74, 1974 | 12.83 | 16.84 | S–239(1), 1954 | 17.37 | 250A–01–72, 1972

(250A–01–73 1973) | 11.9 | 1.35 mi. | 12.69 | 17.05 | 0.33 mi. | 17.38 | County

(250A–03–72 (R) 1972)

HPMS

SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Date Released
Nov. 2003, D.B.
Revised

ROAD INVENTORY
HAWAII RTE 270
KAWAIHAE ROAD–AKONI PULE HWY

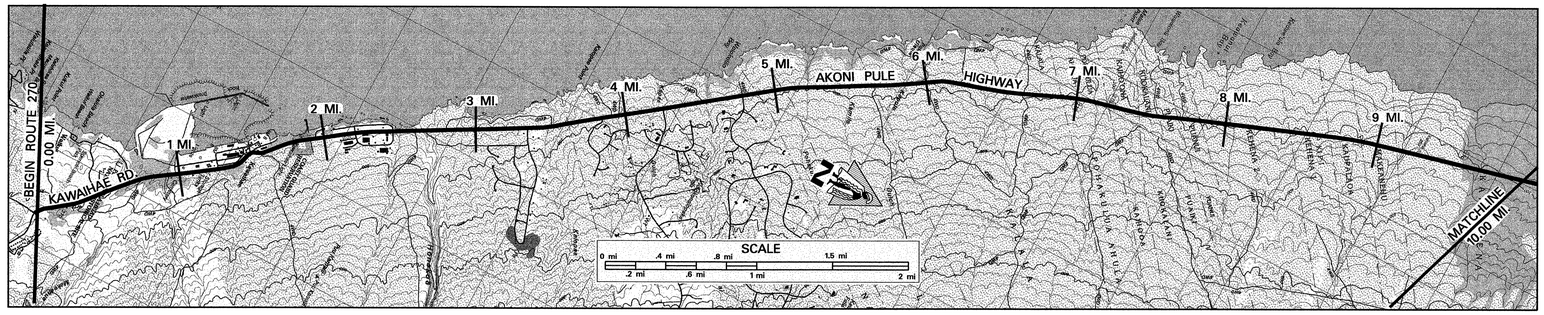
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

Total Route Length: 27.02 miles
a. Survey Length: 27.02 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 27A SAME AS BEGIN RTE 270 | 27 A (1.50 MI.) | END 27A – BEGIN 270A AT CENTERLINE ROAD TO KAWAIHAE WHARF. | 270A (11.44 MI.)
270 01 (1.50 MI.) | 270 02 (16.60 MI.)

ADT Sections; ADT; Traffic Count and Truck Weight Stations

Structure Carrying Road
- **Bridges (Over 20'): Length, Type, Capacity and Year Constructed**: TEE BEAM 1960 HS–20 59' | SLAB 1960 HS–20 31' | SLAB 1960 HS–20 52' | PRESTRESSED BEAM 1965, HS–20 165'
- **Vertical Clearance**: 0.86 | 1.38 | 2.64
- **Horizontal Clearance**: 28' | 40' | 40' | 28'

Structure Over Road
- **Vertical Clearance**
- **Horizontal Clearance**

Right of Way Width (min.–max.) if varies: 60' – 80' | 60' | 80' – 180'

Available Right of Way Width (Needs Study): BRUSH & TREES | RES. AREA | BRUSH & TREES | RES. AREA | CLEAR 1000' BUSHES & SMALL TREES (SOME CUT SLOPES)

Right of Way Fence: Type – Right and Left: (CHAINLINK 10' FROM E.P.) | (STONE WALL 10' FROM E.P.) | (STONE WALL 10' FROM PAVMT.) | (CHAINLINK 10' FROM PAVMT.) | (STONE WALL)

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 2)

Project No., Type of Construction, and Year Constructed: (270A–01–99M, RESURF., 2001)

Project No., Type of Construction, and Year Constructed: (19CD–01–97M, RESURF., 1999) | STP–0270(13), SHLDR. IMPRV., 1998 | 270A–01–96M, (R), 1997 | STP–0270(13), 1998, (SHLDR. IMPRV.) | 270A–01–83M, 1983, (R)

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

BEGIN ROUTE 270 ON KAWAIHAE ROAD AT THE N.W. EDGE OF PAVT. OF QUEEN KAAHUMANU HIGHWAY 0.00 MI.

END DIVIDED HWY 0.10 MI. 0.03 MI. | PUUKOHOLA HEEIAU 0.27 MI. | SPENCER PARK RD. 0.43 MI. | T.C. PUUKOHOLE BRIDGE 0.69 MI. 0.68 MI. | MAKEAHUA BRIDGE 0.74 MI. 0.85 MI. | ROAD TO HARBOR 0.87 MI. 0.97 MI. | KAWAIHAE HARBOR ROAD 1.10 MI. | ROAD TO HARBOR 1.25 MI. | ROAD TO KAWAIHAE HARBOR 1.36 MI. 1.42 MI. | CULVERT 1.50 MI. | KAEWA PL. 1.58 MI. | KALAEOLO ST. (L) MALUOKALANI ST. (R) 1.72 MI. | CULVERT 1.94 MI. | HONOKOA ST. (L) MALUOKALANI ST. (R) 2.08 MI. | CULVERT 2.20 MI. | HONOKOA BRIDGE 2.30 MI. 2.44 MI. | BEGIN DIVIDED 2.64 MI. | KALO O' LO'O DR. 3.13 MI. 3.10 MI. | END DIVIDED 3.34 MI. | BEGIN DIVIDED 3.66 MI. 3.63 MI. 3.61 MI. | "DISTRICT OF KOHALA" SIGN 3.84 MI. | END DIVIDED 4.13 MI. 4.10 MI. 4.08 MI. | HOKULELE DR. (KOHALA BY THE SEA) | BEGIN DIVIDED 4.25 MI. | ALA KAHUA 4.49 MI. | END DIVIDED 4.64 MI. | BEGIN DIVIDED 4.77 MI. | ROAD TO KOHALA RANCH 4.99 MI. | END DIVIDED 5.10 MI. | CULVERT 5.26 MI. | CULVERT 6.10 MI. | CULVERT 6.23 MI. | CULVERT 6.55 MI. | CULVERT 6.68 MI. | CULVERT 6.94 MI. | CULVERT 7.10 MI. | CULVERT 7.61 MI. | CULVERT 8.04 MI. | CULVERT 9.10 MI. | KAIHOLENA PLACE 9.19 MI. 9.73 MI.

KAWAIHAE ROAD | AKONI PULE HWY

CONTINUED ON SHEET #2

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided
- **Shoulder: Width and Type**: 7' AC | 6' AC | 7' AC | 5' CORAL | 6' SEAL COAT | 12' AC | 6' SEAL COAT | 6' AC | 6' SEAL COAT
- **Pavement: Width and Type**: (11' AC) | 22' AC | 22' BP | 24' AC | 14' AC | (24' AC) 12' AC | 12' AC | 24' AC | 12' AC | 24' AC
- **Shoulder: Width and Type**: (0) 7' AC | 6' AC | 7' AC | 5' CORAL | 6' SEAL COAT | 0 | (6' SEAL COAT) 0 | 0 | 6" AC (6" SEAL COAT) 0 | 6' AC | 6' SEAL COAT
- **Median: Width and Type**: 0'–15' PAINTED AC | 12' PAINT | 10' PAINT | 12' PAINT
- **Median Barriers:**
- **Shoulder: Width and Type**: (0) 0 | 0 | 0 | 0
- **Pavement: Width and Type**: (11' AC) 14' AC | 12' AC | 12' AC | 12' AC
- **Shoulder: Width and Type**: (6' AC) 10' AC | 6' SEAL COAT | 6' SEAL COAT | 4" AC | 6' SEAL COAT

Number of Traffic Lanes: 2–11' | (6' SEAL COAT) | 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 11' LNS. | 10' T.L. | 12' T.Ls.

(Right Side): 12' T.Ls. | 12' T.Ls.

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 METAL ON CONCRETE

Illumination: Type, Location and Number: 4 MV | 1 MV | 1 MV

Curves: Degree of Curvature (Right and Left)

Grades: % Grade, Positive or Negative: 0 | −1 | +6 | −2 | +1 | +1 | +2 | −1 | +2 | +4 | −1 | −2

HOV Lanes/Contra–Flow Lanes

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: ROLLING | FLAT | (45 MPH (1)) | ROLLING (2)

Speed: 1–Design, 2–Posted: 45 MPH (2) | 35 MPH (2) | 40 MPH (1) | 55 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification: PRINCIPAL ARTERIAL | MINOR ARTERIAL

National Highway System (NHS): NHS | NONE

Previous Projects: Project No., Date and Limits
STP–0270(13), SHLDR. IMPRV. 1998 | 270A–01–96M, 1997, (R)
27A–01–88M, 1988, (R)
WDRC–12(1), 1947 | 270A–01–72, 1972, (R) | WDRC 12(1), 1947 | 270A–01–83M, RESURF., 1983
FAP 11 B, 1933 | S–0260(1), 1959 | FAP 110, 1937 | 270A–01–79, SHLDR. STAB. 1980
STA. 0+00 | STA. 22+00 | STA. 603+54.46 | A270–01–82, 1987, 68
(HHS–027–1(1), SAFTY IMPRV.)

HPMS: 0.37 | 2.20

SCALE: (In Miles) 2" = 1 mile

Date Released
SEPT 05, D.B.
Revised

ROAD INVENTORY

HAWAII RTE 270
AKONI PULE HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

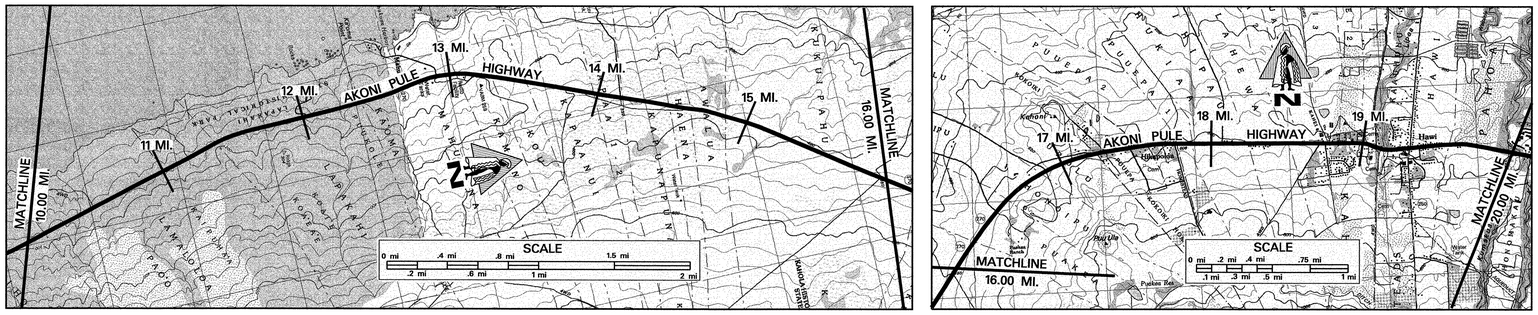
Total Route Length: 27.02 miles

a. Survey Length: 27.02 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20

Maintenance Control Sections : Length and Description

270A (11.44 MI.) | 13.45 END 270A – BEGIN 270B AT THE CENTERLINE OF ACCESS RD. TO MAHUKONA WHARF. | 270 B (14.10 MI.)

ADT Sections; ADT; Traffic Count and Truck Weight Stations

270 02 (16.60 MI.) | 18.05 270 03 (1.23 MI.) | 19.55 270 04 (2.29 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

80'–180' | 13.45 | 60'–200'

Available Right of Way Width (Needs Study)

CLEAR 1000', GRASS AND FEW TREES, 50' FROM EDGE OF PAVEMENT

Right of Way Fence: Type – Right and Left

18.69 WIRE ON WOOD 50' FROM EDGE OF PAVEMENT
WIRE ON WOOD 50' FROM EDGE OF PAVEMENT

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

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

COUNTY TO STATE PHASE 2 | 14.23 | STATE | 18.10 | COUNTY TO STATE PHASE 2

Project No., Type of Construction, and Year Constructed

270A–01–83M, RESURFACE, 1988 | 13.28 | 270B–01–69M, RESURFACE, 1997 | 17.78 | RS–STP–0270(11), RESURFACE, 1996

Project No., Type of Construction, and Year Constructed

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #1

CULVERT 10.15 MI. 10.19 MI. 10.01 MI.
CULVERT 10.37 MI.
CULVERT 10.85 MI.
CONCRETE DRIVEWAY 10.92 MI.
11 MP
LAPAKAHI HISTORIC STATE PARK CULVERT 11.11 MI.
13 MP
ACCESS ROAD TO MAHUKONA WHARF 11.90 MI.
14 MP
CULVERT 12.10 MI. 12.04 MI.
TWIN CULVERT 12.84 MI.
PAVED ROAD 13.10 MI.
15 MP
KAPAA PARK ROAD (L&R) 13.54 MI. 13.45 MI.
16 MP
(L) 14.18 MI. 14.11 MI.
AKONI PULE HIGHWAY 13.80 MI.
17 MP
PAVED ROAD 15.11 MI.
18 MP
T.C. PUAKEA BAY DR. (L) (DRIVEWAY) 15.95 MI. 16.11 MI.
COAST GUARD STATION ROAD 16.49 MI. 16.48 MI.
19 MP
ROAD KOKOIKI RD. 16.90 MI. 17.11 MI.
LINCOLN ROAD 17.32 MI. 17.47 MI.
20 MP
UPOLU AIRPORT RD. 17.78 MI. 18.12 MI.
ROAD HUALUA ROAD 18.83 MI. 18.77 MI. 18.73 MI.
ROAD T.C. ROAD (L) & 21 MP 18.98 MI. 19.12 MI.
HAWI RD. (R) & (L) 19.15 MI. 19.33 MI.
WATER SUPPLY RD. SUBSTATION ROAD 19.65 MI. 19.62 MI. 19.58 MI.

CONTINUED ON SHEET #3

SCALE: (In Miles) 2" = 1 mile

10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20

Divided Highway – Undivided

Shoulder: Width and Type

6' SEAL COAT | 13.24 | 10' GRAVEL | 17.76 | 10' GRASS | 18.38 | 10' GRASS | 18.47 | (6' GRASS) | 19.14 | 0 | 19.40 | 8' BP

Pavement: Width and Type

24' AC | 19.14 | 26' AC | 19.32 | 26' AC | 19.40 | 24' AC

Shoulder: Width and Type

6' SEAL COAT | 10' GRAVEL | 18.35 | 10' GRASS | 8' GRASS | 19.22 | 0 | 19.40 | 8' GRASS

Divided Highway

Median: Width and Type

(3' GRASS)

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

(2–14') | 2–12' | 19.14 | 2–13 | 19.28 | 19.40 | 2–12'

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

19.34 | 8' PARK

(Right Side)

8' PARK

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

Sidewalk: Width and Type (Right and Left)

METAL RAILS ON CONC. POSTS | 19.69 | 4' | 6' BP S.W.

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

19.40 | 4' (CURB (L & R))

Protective Devices: Type, Location and Number ALL METAL ON METAL

Illumination: Type, Location and Number

17.88 1 M.V. | 18.72 M.V. | 19.62

Curves: Degree of Curvature (Right and Left)

Grades: % Grade, Positive or Negative

−2 | 10.28 | 10.59 | −1 | 11.10 | 14.56 | −1 | 11.90 | 13.11 | −2 | 13.46 | 14.07 | 15.79 | +4 | 14.27 | 16.16 | −1 | 15.01 | 15.64 | +4 | 16.14 | 17.28 | 17.40 | 17.62 | +1 | 18.40 | 19.77 | +1

HOV Lanes/Contra–Flow Lanes

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL

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

Speed: 1–Design, 2–Posted 55 MPH (2) (MIN. 40 MPH (2)) | 16.76 | 45 MPH (2) | 16.76 | 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification MINOR ARTERIAL | 19.43 MAJOR COLLECTOR

National Highway System (NHS) NONE

Previous Projects: Project No., Date and Limits

270A–01–79 SHLDR. STAB, 1980
A–270–01–62 1967, 68 | 13.26 STA. [–]5 + 92.37 | STA. 699.04 | S–0270(7) 1972, 73 | 15.92 STA. 147 + 00 | S–0270(3), 1972 | 17.75 STA. 244 + 92.36 | STA. 255 + 36.71 | S–203(2), 1951

HPMS

16.43 (0.43) | 16.60 (0.24) | 19.14

SCALE: (In Miles) 2" = 1 mile

10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20

Date Released
SEPT 05, D.B.
Revised

ROAD INVENTORY

HAWAII RTE 270
AKONI PULE HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

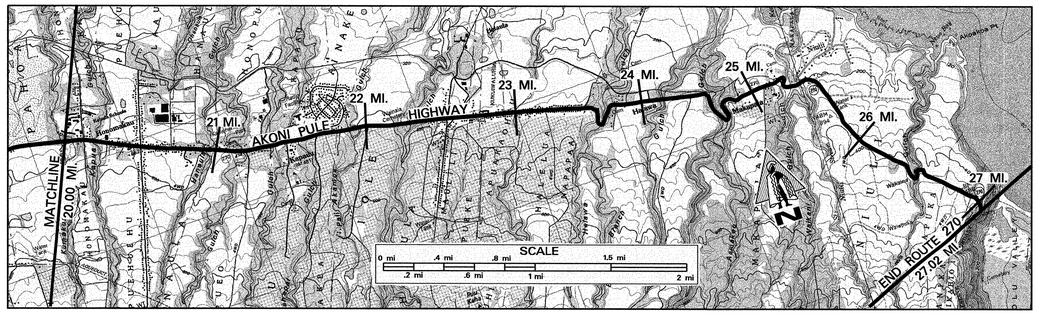
Total Route Length: 27.02 miles

a. Survey Length: 27.02 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

ADT Sections; ADT; Traffic Count and Truck Weight Stations

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)

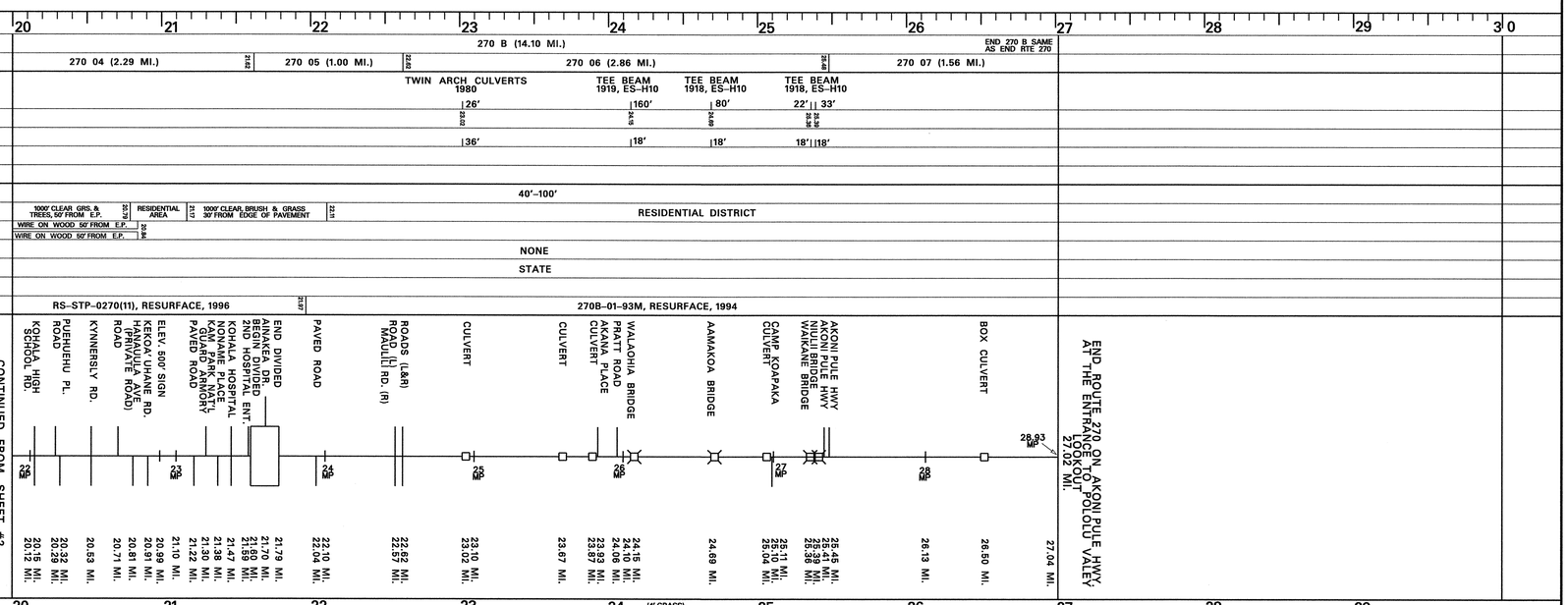
Right of Way Fence: Type – Right and Left

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



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)

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

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

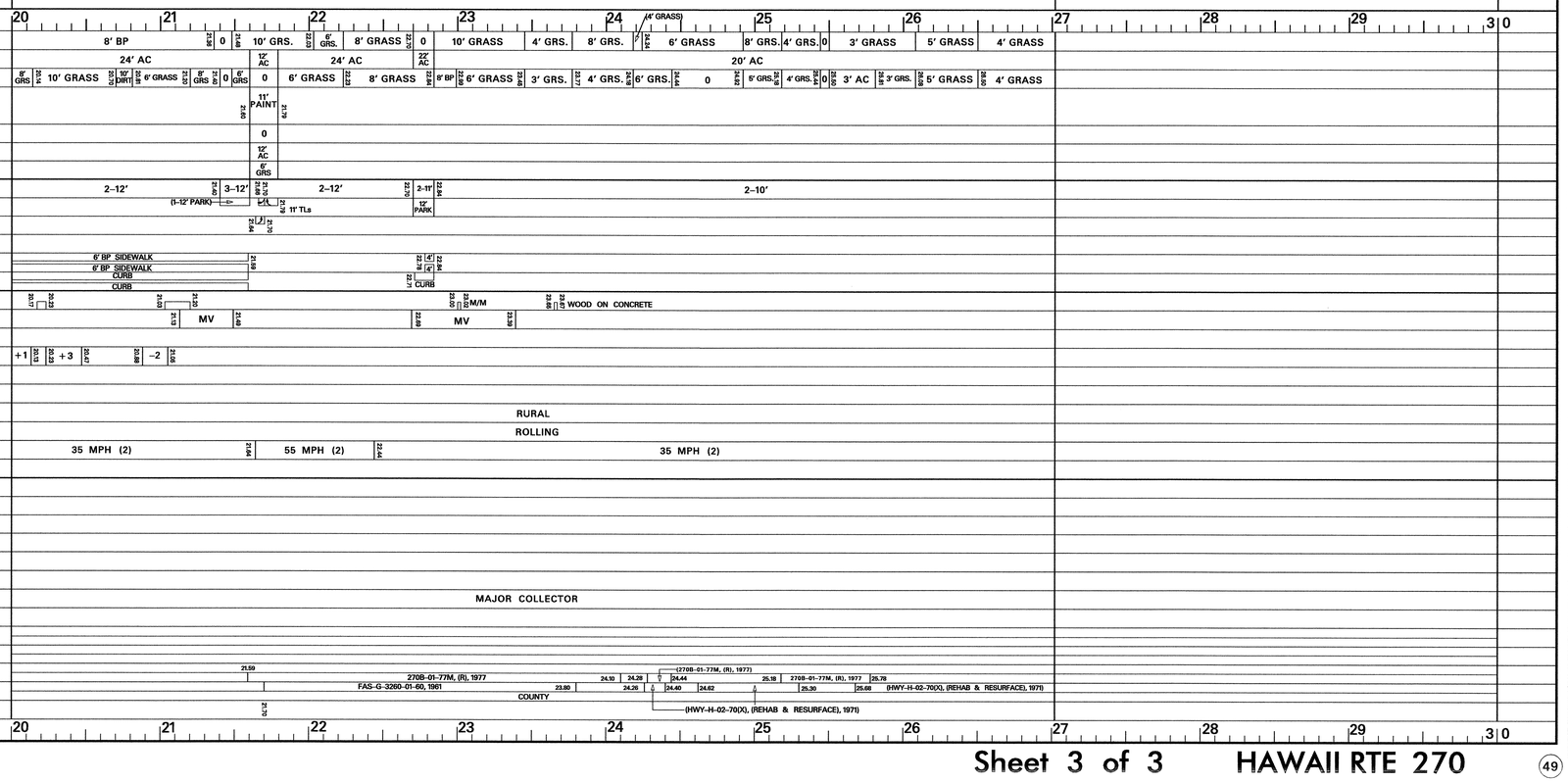
Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

HPMS



Date Released
SEPT. 05, D.B.
Revised

ROAD INVENTORY
HAWAII RTE 1370
KALANIANAOLE STREET

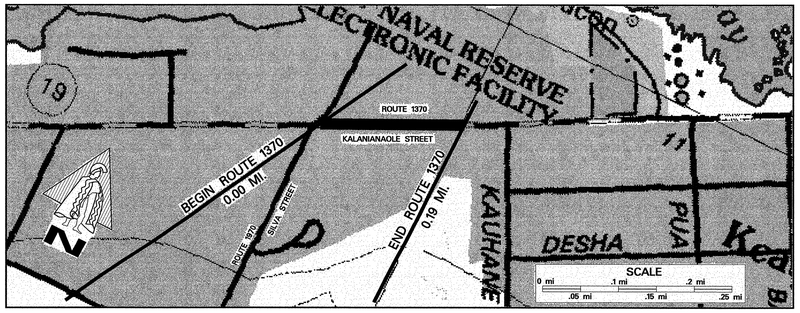
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

Total Route Length: 0.19 miles
a. Survey Length: 0.19 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	
	ADT Sections; ADT; Traffic Count and Truck Weight Stations	
Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed	
	Vertical Clearance	
	Horizontal Clearance	
Structure Over Road	Vertical Clearance	
	Horizontal Clearance	
	Right of Way Width (min.–max.) if varies	
	Available Right of Way Width (Needs Study)	
	Right of Way Fence: Type – Right and Left	0.00 0.04 (Chainlink 10' from E.P.); Chainlink 50' from E.P.
	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 1370 AT THE EAST EDGE OF PAVEMENTOF KUHIO STREET AND KALANIANAOLE STREET. 0.00 MI.

Spur — Begin Divided

KALANIANAOLE STREET

0.01 mi. — 0.11 mi.

END ROUTE 1370 AT WEST EDGE OF PAVEMENT OF 2ND (EAST) HILO HARBOR ENTRANCE DRIVEWAY. 0.19 MI.

SCALE: (In Miles) 20" = 1 mile — 0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

Divided Highway	Undivided	Shoulder: Width and Type	4' AC
		Pavement: Width and Type	26' AC | 11' AC
		Shoulder: Width and Type	4' AC | 0
		Median: Width and Type	0.11 | 0–11' PAINTED AC
		Shoulder: Width and Type	0
		Pavement: Width and Type	11' AC
		Shoulder: Width and Type	4' AC
		Number of Traffic Lanes	2–13' | 2–11'
		Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	
		(Right Side)	0.13 9' T.L.
		Frontage Road: No. of Lanes, and Width (Right and Left)	
		Sidewalk: Width and Type (Right and Left)	0.13 4' Conc. S.W.
		Curb and/or Gutter: Type (Right and Left)	0.00 AC Curb 0.11 Conc. Curb; Conc. Curb
		Protective Devices: Type, Location and Number	Plastic Barrier 0.05 | 0.06; Plastic Barrier 0.15 | 0.16
		Illumination: Type, Location and Number	1 Luminaire 0.24
		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	1–Flat
		Speed: 1–Design, 2–Posted	35 MPH (2) Not Posted | 0.10 35 MPH (2)
		Intersection Control Devices: Type, Location and Cycle Timing	
		Sight Distance: Minimum Passing PSD–	
		Minimum Stopping SSD–	
		Pavement Striping: No Passing Zones	
		Capacity: Service Volume–E	
		DOD Sections	
		Census Tracts	
		Functional Classification	
		National Highway System (NHS)	NHS
		Previous Projects: Project No., Date and Limits	
		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
MAR. 05, D.B.

Revised	

ROAD INVENTORY
HAWAII RTE 1970
KAMEHAMEHA AVE., SILVA ST.

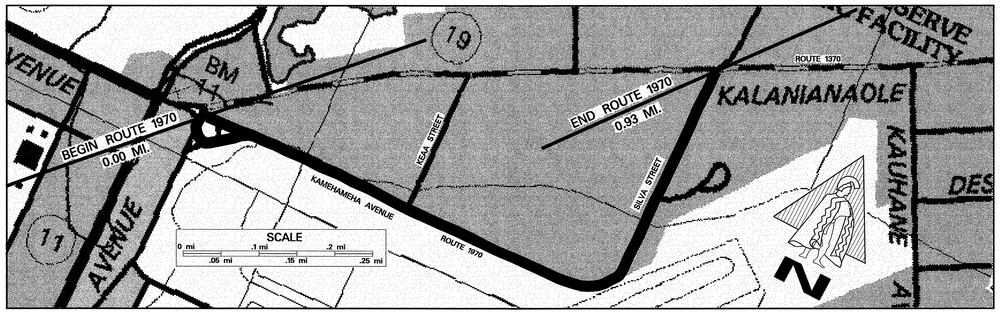
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

Total Route Length: 0.93 miles
a. Survey Length: 0.93 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

ADT Sections; ADT; Traffic Count and Truck Weight Stations

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

0.00 — Chain Link Fence, 10'–20' from Edge of Pavement — 0.89

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 1970 AT THE SOUTH EAST EDGE OF PAVEMENTOF TRAFFIC CIRCLE ON KAMEHAMEHA AVENUE 0.00 MI.

End Divided | Paved Road | Keaa Street | Paved Roads | Paved Road

KAMEHAMEHA AVENUE — SILVA STREET

0.10 mi. | 0.23 mi. | 0.33 mi. | 0.50 mi. | 0.75 mi.

END ROUTE 1970 ON SILVA STREET AT THE SOUTH EDGE OF PAVEMENT OF KALANIANAOLE STREET ACROSS HILO HARBOR ENTRANCE: 0.93 MI.

SCALE: (In Miles) 20" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

Divided Highway — Undivided — Shoulder: Width and Type: 2' AC

Pavement: Width and Type: 10' AC

Shoulder: Width and Type: 0

Median: Width and Type: 50' Raised Grass

Shoulder: Width and Type: 0

Pavement: Width and Type: 10' AC

Shoulder: Width and Type: 0 | 10' Grass

Number of Traffic Lanes: 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: Metal Rails on Metal Posts

Illumination: Type, Location and Number: 4 Luminairs

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: 1–Flat

Speed: 1–Design, 2–Posted: Not Posted | 35 MPH (2) | 25 MPH (2) | 35 MPH (2) | 25 MPH (2) | Not Posted

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

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
MAR. 05, D.B.
Revised
May 06 — *G.N.*

ROAD INVENTORY

HAWAII RTE 2000

PUAINAKO ST., PUAINAKO ST. EXTENSION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

Total Route Length: 7.12 miles

a. Survey Length: 2.18 miles

b. Proposed Length: 4.94 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Maintenance Control Sections : Length and Description

ADT Sections; ADT; Traffic Count and Truck Weight Stations

2000 01 (0.56 MI.) 0.56 | Begin 2000E @ ℄ of Kanoelehua Ave. 0.73 | 2000 E (1.62 MI.) 0.83 | 2000 04 (0.75 MI.) 1.58 | 2000 05 (0.60 MI.) | End 2000E @ ℄ of Kamohana St. 2.18 | 2000 06 (4.92 MI.)

2000 02 (0.17 MI.)
2000 03 (0.10 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

Varies 50'–80' | 120'

Available Right of Way Width (Needs Study)

Rock Walls & Chain Link | Residential Area 2.23

Right of Way Fence: Type – Right and Left

0.29 Chain Link 0.55 | 0.47 Chain Link 0.53 | 0.75 Chain Link 0.86 | Rock Walls & Chain Link 0.97 | 1.29 Rock Walls & Chain Link 1.77 | 2.04 Various 2.07

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

None | Partial

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

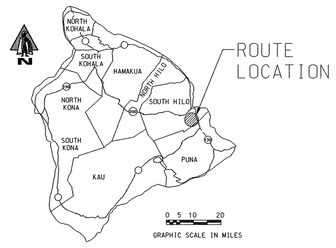
State | 2.23 County

Project No., Type of Construction, and Year Constructed

(2000E–01–00, Imprvts, 2004) 0.46 | 0.62

Project No., Type of Construction, and Year Constructed

(200E–01–7M, (R) 1977) 0.57 | 0.72 200E–01–90M (R), 1991 2.18 | 2.23 County Project STP–2000(4), New Construction 2004



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

BEGIN ROUTE 2000 ON PUAINAKO STREET AT THE W. E.P. OF RAILROAD AVENUE. 0.00 mi.

Ohuohu St. 0.25 mi. | Shopping Center (L) | Pilipaa St. (L) | Shopping Center (R) | End Divided Hwy | Kaneku St. | Begin Divided Hwy | Kanoelehua Ave | Kilauea Ave & End Divided Hwy 0.99 mi. | Kinoole St. | Malkai St. | Lokehi St. (R) | Santos Ln. (L) | Pamate Pl. | Road | Kahauloa Rd. | Kahauloa Nohea St. | Kahauloa Rd. | Roads to Inter. Sch. | Nanakea Rd. | Roads to Inter. Sch. | Anela St. | Kanoelani St. | Iwalani St. (L) | Iwalani St. (R) | Pohakulani St. | Kuhilani St. | Wainohia St. | Kapuulani St. | Melani St. | Komohana St. (Barricaded) | Puainako St. Extension | KOMOHANA ST. | PUAINAKO ST. | MP | PUAINAKO STREET EXTENSION | Road | Road | Road

STA 19G 0.56 mi. | STA 18E 0.72 mi. | STA 18Y 0.83 mi. | STA 18AA 1.58 mi. | STA 18Z 2.18 mi.

0.28 mi. | 0.38 mi. | 0.45 mi. | 0.49 mi. | 0.56 mi. | 0.63 mi. | 0.66 mi. | 0.72 mi. | 0.83 mi. | 0.93 mi. | 1.00 mi. | 1.03 mi. | 1.10 mi. | 1.15 mi. | 1.21 mi. | 1.24 mi. | 1.29 mi. | 1.34 mi. | 1.38 mi. | 1.40 mi. | 1.50 mi. | 1.58 mi. | 1.68 mi. | 1.75 mi. | 1.85 mi. | 1.96 mi. | 2.05 mi. | 2.18 mi. | 2.23 mi. | 3.12 mi. | 4.33 mi. | 4.60 mi.

CONTINUED ON SHEET 2. 5.00 mi.

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Divided Highway Undivided

Shoulder: Width and Type

0 | 6'–8' AC | (11' AC) | (12' AC) | 2'–4' AC | 9' AC

Pavement: Width and Type

28' AC 0.18 | 12' AC | 36' AC | 50' AC | 24' AC | 24' AC 0.82 | 26' AC | 2.23 | 24' AC

Shoulder: Width and Type

0 | (11' Raised Conc.) | 4'–8' AC | 8' AC | 0 | 0 | 9' AC

Divided Highway

Median: Width and Type

42' Raised Grass | 12' Painted AC | (5' Painted AC) 0.25 0.45 | 0.49 | 0.58 | 0.62 0.66 | (26' Raised Grass) | (12'–26' Painted AC)

Median Barriers:

Shoulder: Width and Type

0 | 0 | 0 | (26' AC)

Pavement: Width and Type

28' AC 0.18 | 12' AC | 26' AC

Shoulder: Width and Type

0 | (8' AC) (1–11") | 8' AC 0.72

Number of Traffic Lanes

4–14' 0.18 | 2–12' | 1–12' 2–12' | 2–12' 2–13' | 2–12' 0.82 | 2–13' 2.23 | 2–12'

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

0.20 0.30 0.40 0.51 0.55 0.62 0.66 0.72

(Right Side)

0.24 0.28 0.36 0.42 0.49 0.55 0.62 0.66 0.70

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

Sidewalk: Width and Type (Right and Left)

Grs. S.W. | 4' AC S.W. 0.58 0.71

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

10' Conc. S.W. Conc. Curb | 6' Conc. S.W. Conc. Curb | 3.5' AC S.W. 2.18

Conc. Curb | Bituminous Curb

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

7 Sodium Vapor 0.57 | 0.91 | 8 M.V., 5 Incandescent 2.20

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 Rolling

Speed: 1–Design, 2–Posted

30 MPH (2) 0.25 | 35 MPH (2) 30 MPH (2) 0.85 | 35 MPH (2) 2.20 | 45 MPH (1)

Intersection Control Devices: Type, Location and Cycle Timing

4 Phase 0.99 | 2 Phase 1.58

Sight Distance: Minimum Passing PSD–

Minimum Stopping SSD–

Pavement Striping: No Passing Zones

Capacity: Service Volume–E

DOD Sections

Census Tracts

Functional Classification Major Collector

National Highway System (NHS) None

Previous Projects: Project No., Date and Limits

200E–01–77M, (R) 1977

(S–18(1) 1948, 49) 0.07 | 0.83 G–3221–01–62, 1962 1.49

HPMS (0.15 mi.) | (0.11 mi.) 0.33 | 0.84 (0.74 mi.) 1.58 | (0.60 mi.) 2.18

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Date Released
Dec. 2003, DB

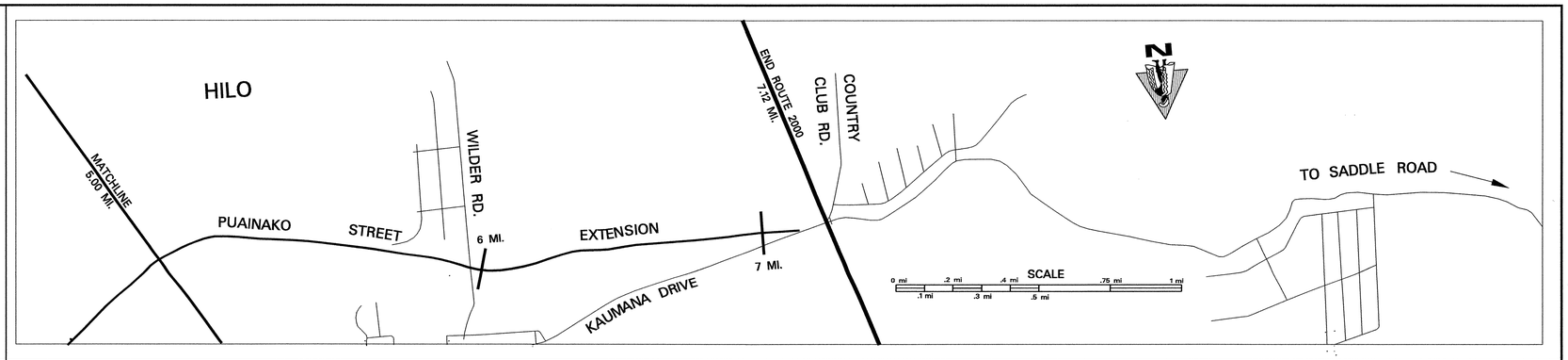
Revised	
Apr. 04	D.B.
July 04	D.B.
Sept 04	D.B.
May 06	G.N.

ROAD INVENTORY
HAWAII RTE 2000
PUAINAKO STREET EXTENSION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

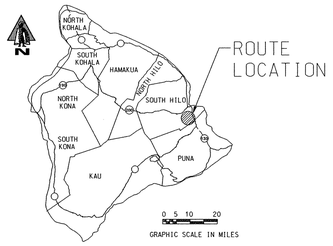
PREPARED BY THE
HIGHWAY PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 7.12 **miles**
a. Survey Length: 2.18 **miles**
b. Proposed Length: 4.94 **miles**
c. Other Length: * 0.00 **miles**
*



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description	
ADT Sections; ADT; Traffic Count and Truck Weight Stations	2000 06 (4.92 MI.)
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'
Available Right of Way Width (Needs Study)	
Right of Way Fence: Type – Right and Left	
Control of Access: 1–None, 2–Partial, 3–Full	Partial
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	County
Project No., Type of Construction, and Year Constructed	
Project No., Type of Construction, and Year Constructed	County Project STP-2000(4), New Construction, 2004



Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET 1.

5.00 mi.

Road | Road | Wilder Road | Kaumana Drive & End Divided Begin Divided Road

PUAINAKO STREET EXTENSION (In-Service Nov. 04)

5.23 mi. | 5.51 mi. | 5.98 mi. | 6.84 mi. | 6.86 mi. | 6.89 mi.

END ROUTE 2000 ON PUAINAKO STREET EXTENSION AT THE CENTERLINE INTERSECTION WITH COUNTRY CLUB DRIVE. 7.12 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway Undivided — Shoulder: Width and Type	9' AC
Divided Highway Undivided — Pavement: Width and Type	24' AC; 2-12' AC; 24' AC
Divided Highway Undivided — Shoulder: Width and Type	9' AC; 0; 9' AC
Divided Highway — Median: Width and Type	(12' Painted AC)
Divided Highway — Median Barriers:	6.84; 6.89
Divided Highway — Shoulder: Width and Type	0
Divided Highway — Pavement: Width and Type	12' AC
Divided Highway — Shoulder: Width and Type	8' AC
Number of Traffic Lanes	2–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	6.86; 6.89; 7.00 (1–12' (L) TL)
(Right Side)	5.91; 5.98
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:	Urban
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Rolling
Speed: 1–Design, 2–Posted	45 MPH (1); 5.89; 35 MPH (1)
Intersection Control Devices: Type, Location and Cycle Timing	
Sight Distance: Minimum Passing PSD–	
Minimum Stopping SSD–	
Pavement Striping: No Passing Zones	
Capacity: Service Volume–E	
DOD Sections	
Census Tracts	
Functional Classification	Major Collector
National Highway System (NHS)	None
Previous Projects: Project No., Date and Limits	
HPMS	

Date Released
Dec. 2003, DB
Revised
Apr. 04 D.B.
July 04 D.B.
Sept 04 D.B.
May 06 G.N.