STATE ROUTE SYSTEM

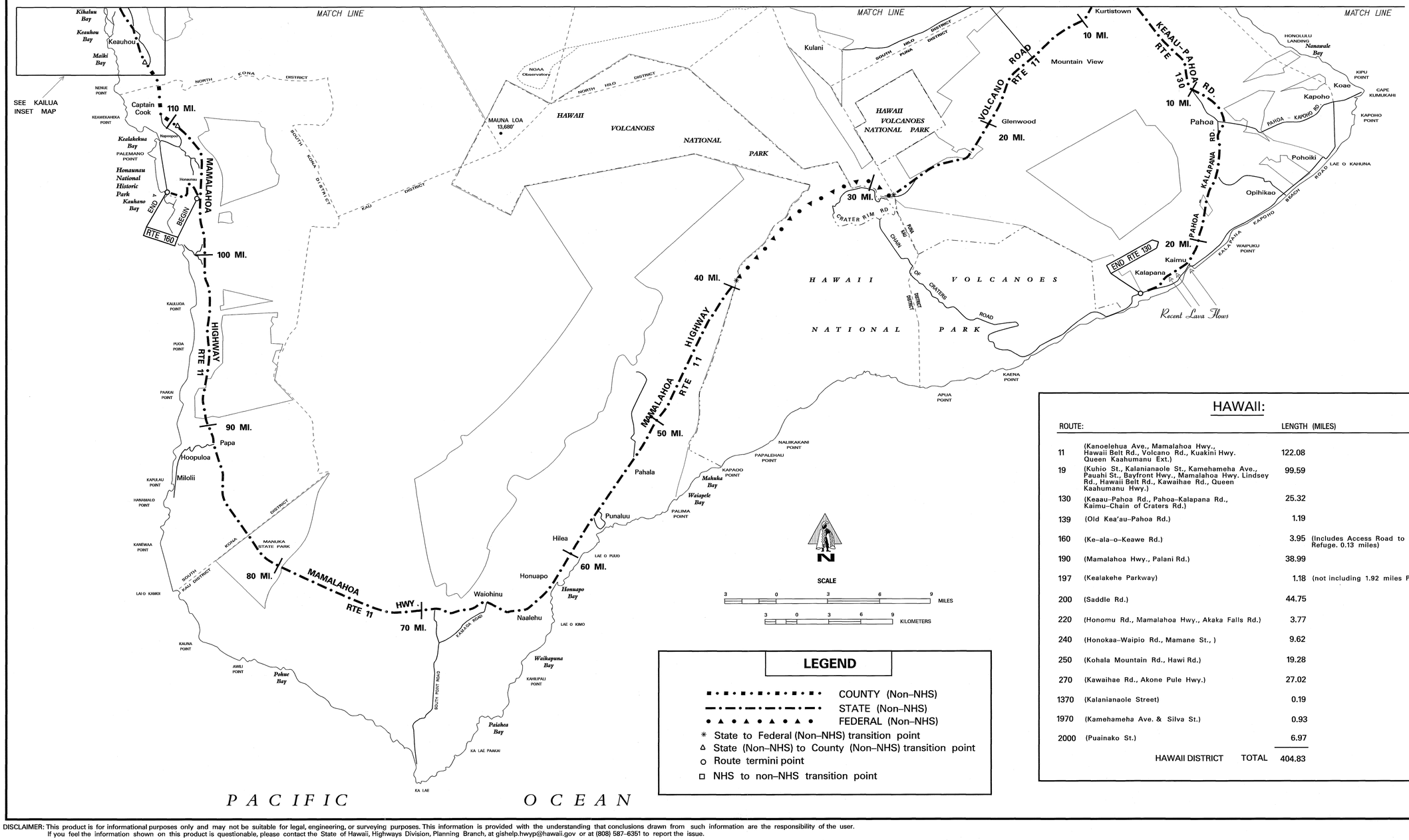
COUNTY OF HAWAII

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 2007



LEGEND

- COUNTY (Non–NHS)
- STATE (Non–NHS)
- FEDERAL (Non–NHS)
- * State to Federal (Non–NHS) transition point
- △ State (Non–NHS) to County (Non–NHS) transition point
- o 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. Queen Kaahumanu Ext.)	122.08	
19	(Kuhio St., Kalanianaole St., Kamehameha Ave., Pauahi St., Bayfront Hwy., Mamalahoa Hwy. Lindsey Rd., 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.)	44.75	
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.)	6.97	
	HAWAII DISTRICT TOTAL	404.83	

Date Released	
Dec 2002	JK
Revised	
Feb 03	DB
May 04	DB
Jun 07	DB
Feb 08	DB

DISCLAIMER: This product is for informational purposes only and may not be suitable for legal, engineering, or surveying purposes. This information is provided with the understanding that conclusions drawn from such information are the responsibility of the user. If you feel the information shown on this product is questionable, please contact the State of Hawaii, Highways Division, Planning Branch, at gishelp.hwyp@hawaii.gov or at (808) 587–6351 to report the issue.

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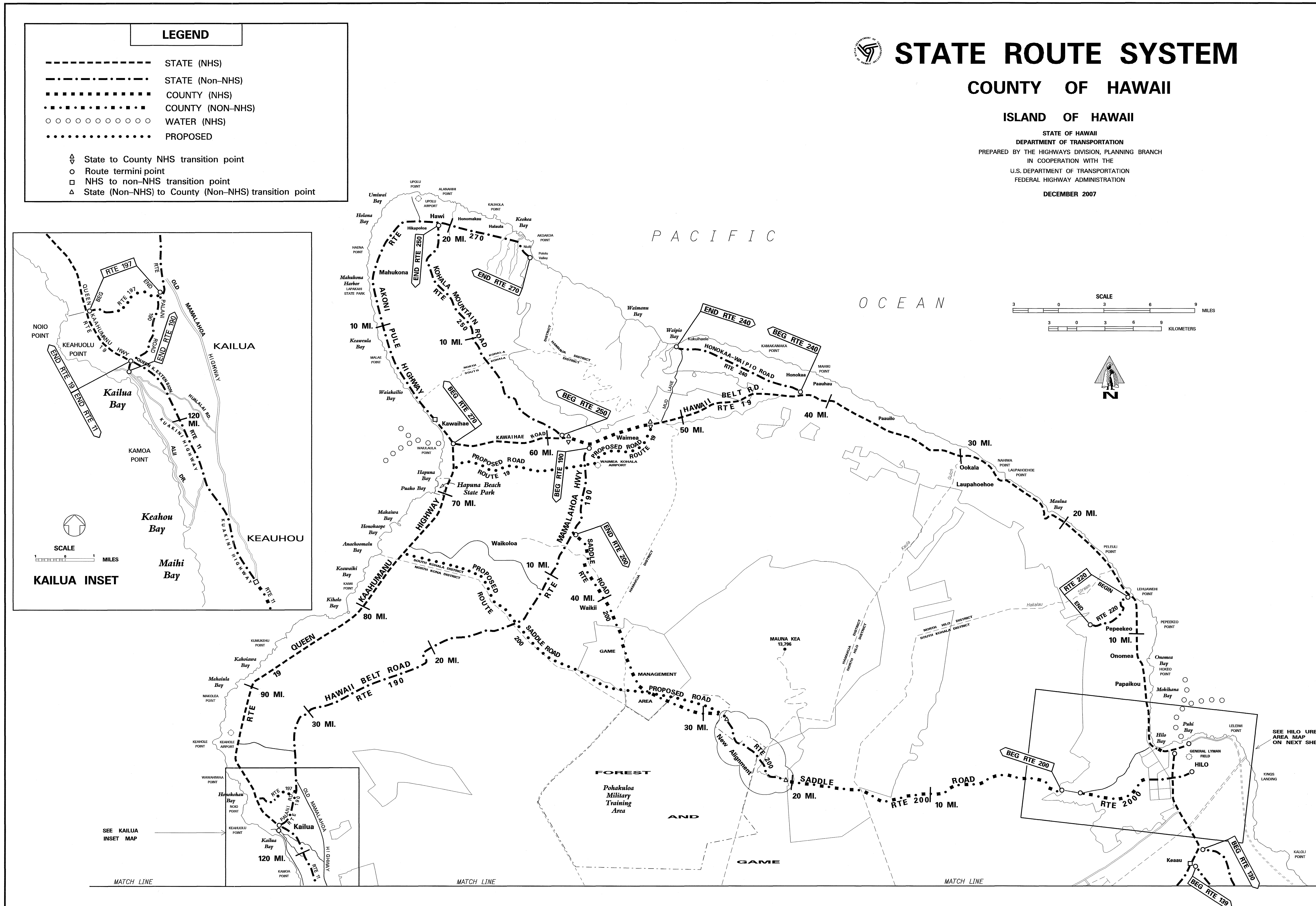

Date Released	
Dec 2002, JK	
Revised	
Feb 03	D.B.
May 04	D.B.
Mar. 08	D.B.

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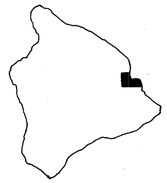

STATE ROUTE SYSTEM

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
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DECEMBER 2007

HILO URBAN AREA

PACIFIC OCEAN

RTE 1970
Begin @ S.E. E.P. of Traffic Circle on Kamehameha Ave.
End on Silva St. @ S. E.P. of Kalanianaole Street across Hilo Harbor Entrance.

RTE 1370
Begin @ E. E.P. of Kuhio St. & Kalanianaole Street.
End @ W. E.P. of 2nd (East) Hilo Harbor Entrance driveway.

SADDLE ROAD RTE 200
BEG RTE 200
ROUTE 200 PROPOSED SADDLE ROAD
END RTE 2000
COUNTRY CLUB DRIVE
PUAINAKO STREET EXTENSION
5 MI.
ROUTE 2000
PUAINAKO ST.
BEG ROUTE 2000
BEG RTE 19
BEG RTE 11
RTE 19
RTE 11
RTE 17
RTE 1370
RTE 1970
5 MI.
VOLCANO ROAD
STAINBACK HIGHWAY
HILO BAYFRONT HIGHWAY
WAIANUENUE AVE.
KAUMANA DR.
PONAHAWAI ST.
KEKUANAOA ST.
KAWILI ST.
KOMOHANA ST.
KAWAILANI STREET
HAIHAI ST.
AINOLA DR.
KAPIOLANI BLVD.
KINOOLE AVE.
KILAUEA AVENUE
KANOELEHUA AVENUE
MAKAALA STREET
LAWA STREET
MANONO STREET
MOHOULI ST.
KAPUOLAU
IWALANI ST.
Waiakea High School
Waiakea Elem.-Inter.
University of Hawaii (Hilo)
Hilo High School
Hilo Hospital
Hilo Municipal Golf Course
Coconut Island Park
Banyan Golf Course
Lokoaka Pond
Waiakea Pond
Reeds Bay
Hilo Bay
Hilo Harbor
Puhi Bay
Waiakea River State Park
Rainbow Falls
Boiling Pots
Waiakea River
Wailuku River
Waiakea Stream
Pukihae Stream
Piihonua
Wainaku
Puueo
Kaumana
Keaukaha
Keaukaha Military Reservation
GENERAL LYMAN FIELD
Panaewa Zoo and Equestrian Center
Panaewa Forest Reserve
Kaumana Cave
Kaumana Elementary School
Earnest B. Silva Elementary
Akiko Park
Coronation Park
Haihai Park
Haoleula Park
James Kealoha Beach Park
Kalanianaole Beach Park
Prince Kuhio Plaza (Shopping Center)

N

SCALE
2000 0 2000 4000 6000 FEET
0 0.5 1 2 KILOMETERS

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 DB
May 04 DB
Feb 08 DB

3

ROAD INVENTORY

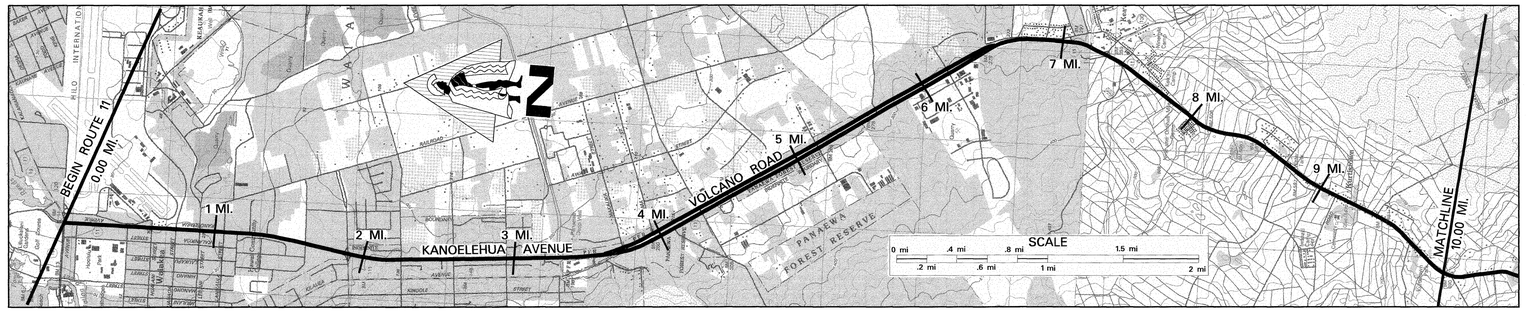
HAWAII RTE. 11
VOLCANO ROAD – KANOELEHUA AVE.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Designated Route Length:	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 KEEAU-PAHOA ROAD. | 11M (9.12 MI.)

Structure Carrying Road

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

TEE BEAM 1950 HS-20 — 108' — CONCRETE FRAME 1966 HS-20-44 — 18'

Vertical Clearance

28' — 92'

Horizontal Clearance

Structure Over Road — Vertical Clearance

Structure Over Road — Horizontal Clearance

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

125' | 125' – 150' | 125' | 125' – 185' | 80'

Available Right of Way Width (Needs Study)

(6' CHAINLINK 15'–25' FROM PAV'T) COMMERCIAL | RESIDENTIAL AREA | TREES, BRUSH | RESIDENTIAL AREA, TREES

Right of Way Fence: Type – Right and Left

CHAINLINK 8' FROM PAV'T

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

P A R T I A L | S T A T E | N O N E

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

C to S Phase I

Project No., Type of Construction, and Year Constructed

(HES-STP-011-2(20) 1999 IMPROVEMENTS) | (2000E-01-00, IMPRV., 2004) | NH-011-2(33) 1999 RESURFACE | (STP-011-2(29), RESURFACE, 1996)

Project No., Type of Construction, and Year Constructed

NH-011-2(24) 1999 WIDENING | 11NP-01-80M 1980 RESURFACE | 11N-01-91M 1992 RESURFACE 8 LANES | F-011-2(17) WIDENING 1987 | 11MN-01-93M RESURFACE 1993 | 11M-01-00 Inter. Improve 2005

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

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

0.00 MI. — KANOELEHUA AVE. — VOLCANO ROAD — 10.00 MI.

KUAVA ST. | PIILANI ST. | HULALANI ST. | AIRPORT RD. | LEILANI ST. | E. LANIKAULA ST. | KAWILI ST. | POHAKU ST. | HALEKAULA ST. | MAKAALA ST. | PUAINAKO ST. (RTE 2000) | E. KAHAOPEA RD. | PAVED ROAD | AHONA PL. | KAWAILANI ST. | E. PALAI ST. | WAIANUHEA ST. (L) | PANAEWA BR. | KILAUEA AVE. (ACCESS) | MAKALIKA ST. | KILAUEA AVE. | LAMA ST. | BEGIN MEASURED MILE | STAINBACK HWY. | E. MAMAKI ST. | COUNTY DETENTION CTR. | END MEASURED MILE | KAUKA ST. | DIST. BDRY. SIGN | PUNA–SOUTH HILO | MACADAMIA DR. | E. KIPIMANA ST. | KEAAU-PAHOA RD. (RTE 130) | ACC. FROM MAMALAHOA HWY. | KEAAU-PAHOA ROAD U.P. | KEAAU-PAHOA RD. (RTE 199) | VOLCANO RD. | PAVED ROAD | PAVED ROAD | PA'AHANA ST. | PAVED ROAD | AKAKAI ROAD END DIVIDED | BEGIN DIVIDED PUKO ROAD | MEAULU ST. | ROAD DIVIDED | KUAAINA ROAD | PAVED SOUTH ROAD | BEGIN DIVIDED OLA'A ROAD | ACCESS ROAD | HUINA ROAD | END DIVIDED

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 | 6'–18' AC | 18' GRASS | 0'–18' PAINT | 0–8' PAINT | 0–10' PAINT

Median Barriers: (M/M GUARDRAIL)

CURB CURB | CURB | CURB | CURB | GUTTER | M/M | M/M | M/M | M/M | M/M | M/M | RAISED MED.

Shoulder: Width and Type

0' | 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'–10' B.L./SHLDR. | 8'–10' AC | 6'–8' AC | 10'–12' AC | 8'–10' AC | 8'–10' AC | 10' AC

Number of Traffic Lanes

1 – 12' | 2 – 12' | 4 – 12' | 3 – 12' | 4 – 12' | 2 – 12' | 1 – 12' | 2 – 12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) ALL T. L. 12'

(Right Side) ALL T. L. 12'

2–11' (L) T.Ls.

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 | CURB | GUTTER

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

2.5' 2 DOWNGRADE CURB AND GUTTER | 9.65 AC CURB

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) | 35 MPH (2) | 45 MPH (2), MIN 30 MPH | 45 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing ALL 4 PHASE UNLESS NOTED

3 PHASE | 4 PHASE

Traffic Station

B71 0011 00000 | B71 0011 00058 | B71 0011 00225 | B71 0011 00295 | B71 0011 00321 | B71 0011 00379 | B71 0011 00565 | B71 0011 00619 | B71 0011 00730 | B71 0011 00779 | B71 0011 00829 | B71 0011 00970

HPMS Section

0.35 | 1.75 | 2.69 | 3.47 | 5.01 | 6.65 | 6.84 | 7.60 | 8.00 | 9.15

AADT (Year 2006)

24,000 | 33,700 | 32,900 | 32,900 | 39,300 | 25,200 | 14,800 | 14,800 | 14,800 | 12,200

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 | 11P-01-70 1971 | F-RF-011-2(13) 1977 | F-2(3) 1949 | 11MN-01-77M 1977 RESURFACE | F-04-2(9) INBOUND 1962 | F-011-2(9) INBOUND 1961 | F-011 OUTBOUND | F-011-2(2) 1960 | 11M-01-71 1971 | 11M-01-81M 1981 RESURFACE | F-2(4) WDR 11(2), 1950 | F-2(4) 1948 | (11M-01-82M (FI) 1982)

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
HIGHWAYS PLANNING BRANCH

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

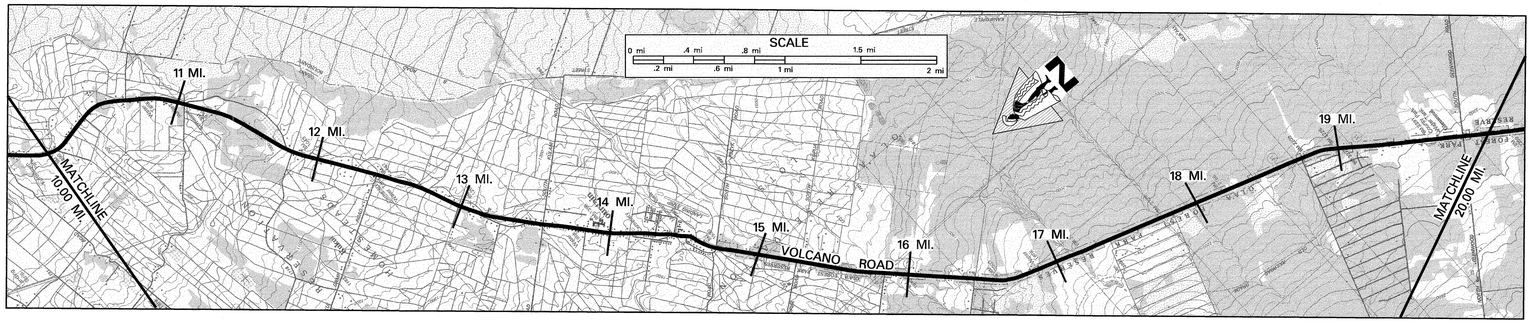
Total Route Length: 122.09 miles

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. (16.44) | 11 L (12.00 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
44' | 44' | 44'

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

80' | 80'–144' (12.66) | 80'–125' (14.43) | 90'–110' (16.77)

Available Right of Way Width (Needs Study)

WIRE 12' F.P. 11.98 11.05 C.L. 10' F.P. 10.73 10.94
11.31 11.42 C.L. 10' F.P. 11.55 11.62 S.W. 15' F.P.
12.33 12.45 C.L. 20' F.P. 12.27 12.45 C.L. WIRE 10' F.P.
RESIDENTIAL AREA, TREES (14.36)
LARGE TREES & BRUSH

Right of Way Fence: Type – Right and Left

NONE

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

STATE

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

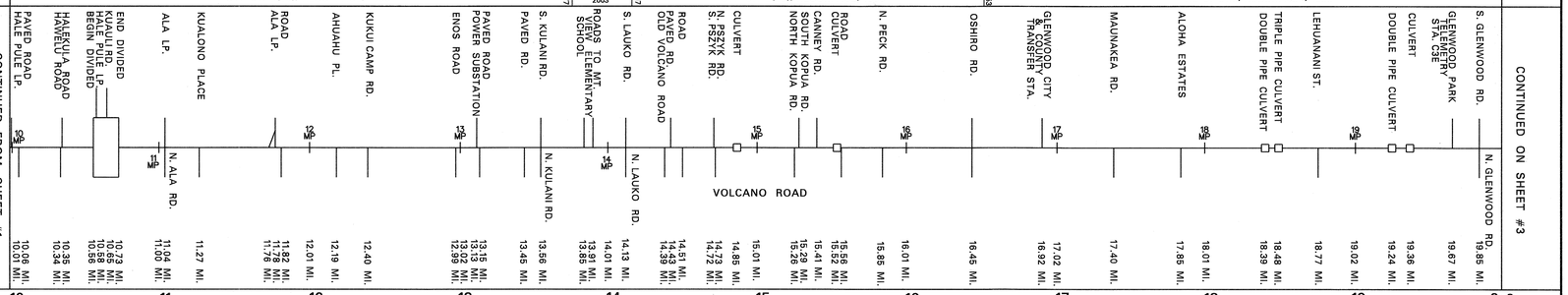
Project No., Type of Construction, and Year Constructed

STP–011–2(29), RESURFACE, 1996 (13.77) | IM–02–02M 2003 (14.17) | STP–011–2(29), RESURFACE, 1996 (16.53) | 11L–01–91M, RESURFACE, 1993

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage



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 | 10'–12' AC B. L. / SHLDR. (13.75, 14.42) | 8'–10' AC

Pavement: Width and Type

24' AC | 24' AC

Shoulder: Width and Type

8'–10' AC | 0 | 8'–10' AC | 10'–12' AC B. L. / SHLDR. | 8'–10' AC

Median: Width and Type

(11' PAINTED AC) (10.60, 10.73)

Median Barriers:

Shoulder: Width and Type

0

Pavement: Width and Type

12' AC

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. (10.60, 10.65)

(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 CURB (10.78, 10.98) | AC CURB (12.76, 13.00)

Protective Devices: Type, Location and Number

M/M

Illumination: Type, Location and Number

FROM 6.71 MI. 33 MV (10.65) | LOW PRESSURE SODIUM (11.75) | LOW PRESSURE SODIUM (13.56) | 11 MV (14.22, 14.36) | M/M (14.64, 14.72) | M/M (14.82, 14.88) | M/M (15.27, 15.40) | M/M (15.52, 15.66) | M/M (15.75, 15.89) | M/M (15.98, 16.08) | M/M (16.27, 16.33) | M/M (17.16, 17.18) | M/M (17.74, 17.78) | M/M (18.27, 18.32) | M/M (18.61, 18.72) | M/M (19.00)

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 (14.69)

Speed: 1–Design, 2–Posted

45 MPH (2), MINIMUM 30 MPH (11.05, 11.08) | 55 MPH (2) MINIMUM 40 MPH (13.44) | 45 MPH (2) (14.69, 14.80) | 55 MPH (2), MINIMUM 40 MPH

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

B71 0011 00970 (11.00) | B71 0011 01126 (13.02) | B71 0011 01355 (14.65) | B71 0011 01472

HPMS Section

AADT (Year 2006)

12,200 (11.28) | 12,200 (13.85) | 12,200 (14.72) | 5,900

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 (16.53)
11M–01–82M (RESURFACE), 1982 (16.44)
11M–01–71, 1971 (14.13)
F–2(4) 1948 (14.92)
F–2(6), 1951 (15.79)
F–0112(5), 1970 (16.53)
16.48
F–011–2(5), 1970 (19.85)
F–011–2(5), 1967
(S–0144(1), 1958)

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
HIGHWAYS 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

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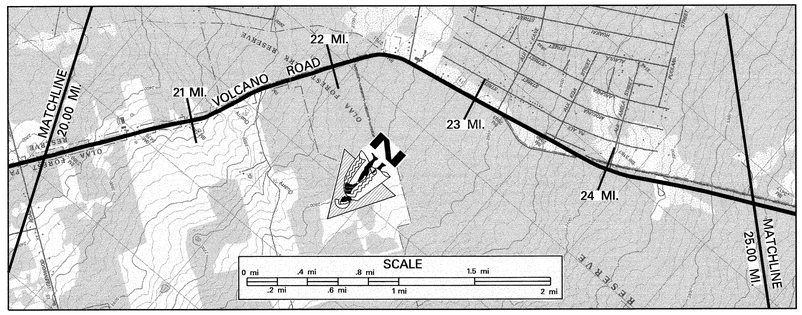
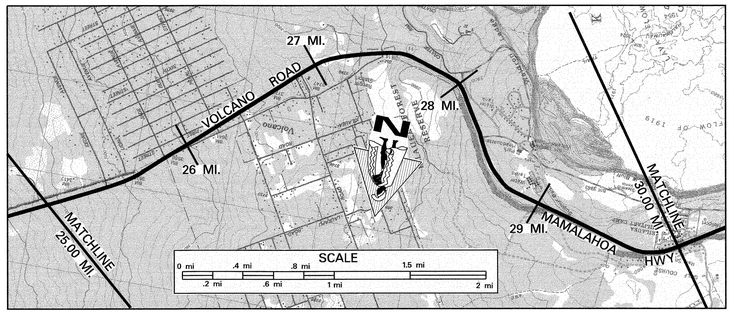




SCALE: (In Miles) 2" = 1 mile

20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30

Maintenance Control Sections : Length and Description

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.)

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: 90'–110' (20.00) | 80' (23.56) | 50' (26.63) | 80'

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

Right of Way Fence: Type – Right and Left: NONE

Control of Access: 1–None, 2–Partial, 3–Full: STATE | FEDERAL (STATE MAINTAINED) 27.56

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

Project No., Type of Construction, and Year Constructed: (S-0144 (1), 1958) 21.26 | 21.71 | (F-011-2(11), 1974) 23.56 | 23.63 | 26.19

Project No., Type of Construction, and Year Constructed: 11L-01-91M, (R), 1993 | 11L-01-92, (R), 1993 | STP-011-2(26), RESURFACE, 1996 | 11HKL-01-97M, 1998, (R) | 11JK-01-90, (R), 1991

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #2

20.02 MI. CULVERT
20.54 MI. CULVERT
20.70 MI. CULVERT
21.01 MI. PAVED RD.
21.52 MI. ROAD (NEW HOPE)
22.02 MI. KAHAUALEA ROAD
22.38 MI.
22.54 MI.
23.03 MI. ALII KANE ST.
23.20 MI.
23.52 MI. ALII KOA ST. SPEED STATION (LOOP)
23.61 MI. CONNECTOR TO VOLCANO RD.
23.82 MI. ALII ANELA ST.
24.03 MI. ROAD TO VOLCANO SOLID WASTE DUMP
24.37 MI.
25.04 MI. NAHELENANI ST.
25.43 MI.
25.86 MI. JADE AVE
26.04 MI. PEARL AVE
26.26 MI. LANIHUL RD.
26.43 MI. WRIGHT RD.
26.87 MI. HAUNANI RD. HALE OHIA RD.
27.05 MI.
26.92 MI. DISTRICT OF KAU (R) DISTRICT OF PUNA (L)
27.34 MI. OLD VOLCANO RD.
27.49 MI. HAWAII VOLCANOES NATIONAL PARK BDRY.
27.56 MI.
28.04 MI. BEGIN DIV. HWY
28.26 MI. END DIV. HWY VOLCANO NAT'L PARK RD.
28.44 MI.
28.60 MI. ROAD (L)
28.92 MI. BEGIN FAULT ZONE
29.05 MI.
29.13 MI.

VOLCANO ROAD | MAMALAHOA HIGHWAY

CONTINUED ON SHEET #4.

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 | 5' AC 28.71 | 2'–4' AC

Divided Highway
- Median: Width and Type: 12' PAINTED MEDIAN 28.28 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 28.50 28.56

(Right Side): 28.25 28.32 12' 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: 28.56 M/M | METAL RAILS ON CONCRETE POSTS 29.39

Illumination: Type, Location and Number: LOW PRESSURE SODIUM 22.52 | 23.98 LOW PRESSURE SODIUM | 25.83 LOW PRESSURE SODIUM | 2 LOW PRESSURE SODIUM 29.41

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 22.86 | FLAT 26.87 | ROLLING

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: B71 0011 01472 | 26.04 B71 0011 02642 | 28.25 B71 0011 02842

HPMS Section

AADT (Year 2006): 5,900 | 26.42 3,500 | 28.42 2,600

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 | F-011-2(11), 1974 | F-011-2(11), 1973 | (11JK-01-84M, 1985, RESURFACE) | (FLH-011-2(18), (INT. IMPRV.), 1987)– 28.18 | 28.67 | 29.27 | 29.36 | 29.96 | 27.51 | 11KL-01-78M & PMS-0100(11) UNIT 1, RESURFACE, 1978 | 27.53 | S-0144(2), 1961 28.06 | NPH-3A, 1962 | 28.56 | NPH-5A | 29.98 | (NPH-3A, 1962)

STA. 313 + 79.68 | STA. 213 + 03.49 | STA. 102 + 79.45 | STA. 184 + 28.90 | STA. 157 + 00 | STA. 132 + 20

SCALE: (In Miles) 2" = 1 mile

20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30

Date Released
JUNE 05, D.B.

Revised	
6/06	D.B.

ROAD INVENTORY
HAWAII RTE 11
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

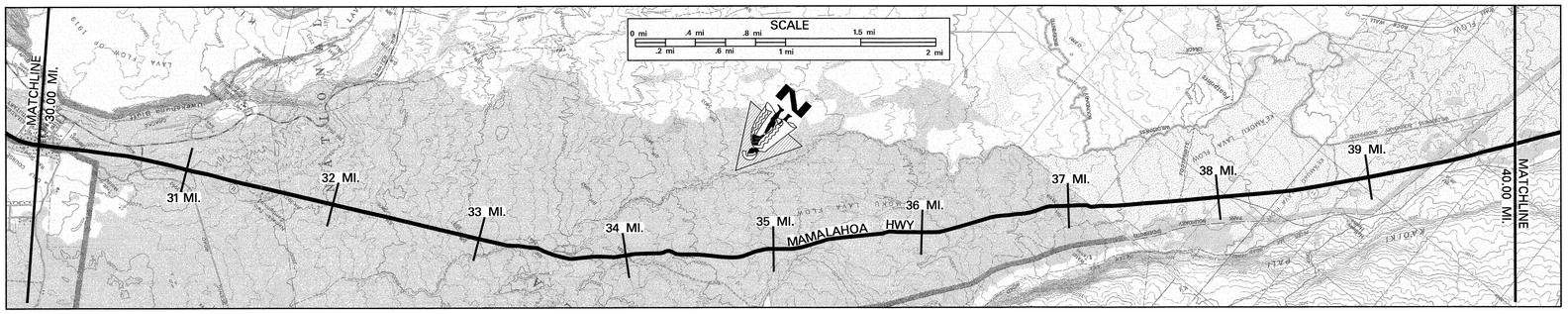
Total Route Length: 122.09 miles

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.) | 32.57 | 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 HAWAI NATIONAL PARK BDRY. AT THE CONTROL SECTION MARKER | 39.48 | 11 H (11.86 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' | 36.74 | 100' | 38.24 | 80'

Available Right of Way (Needs Study)

LARGE TREES AND BRUSH | 32.57 | BUSHES & TREES IN LAVA ROCK | (WIRE ON WOOD 15' FROM PAVEMENT L&R) | 39.48

Right of Way Fence: Type – Right and Left

NONE

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

FEDERAL (STATE MAINTAINED) | 39.47 | STATE

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

(STP–0100(31), 1994, G.R. IMPRV.) | 38.74 | 38.90

Project No., Type of Construction, and Year Constructed

11JK–01–90M, (R), 1991 | 30.82 | FLH–011–2(27), RESURFACE, 1998 | 33.29 | STP–011–2(28), RESURFACE, 1995 | 37.07 | 11JK–01–90M, (R), 1991 | 39.18 | (11H–01–80M, (R), 1980)

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #3

30.00 MI.

MAMALAHOA HIGHWAY

KULAIEA CAMP A MIL. 30.09 MI. | P/T MAUNA DR. 30.15 MI. | CRATER RIM RD. 30.74 MI. | MAUNA LOA RD. 30.74 MI. | END FAULT ZONE 30.95 MI. | NAMAKANI PAIO CAMPGROUND 31.03 MI. | 31.44 MI. | PAVED ROAD 32.04 MI. | 33.03 MI. | 34.03 MI. | 34.05 MI. | 35.05 MI. | ECB TRAIL TO FOOTPRINTS (TRAIL HEAD) 36.02 MI. | 37.01 MI. | PAVED RD. 37.76 MI. | 37.77 MI. | 38.01 MI. | 38.66 MI. | HAWAII VOLCANOES NAT'L PARK BDRY. 39.00 MI. | PAVED RD. 39.47 MI. | 39.61 MI. | 40.00 MI.

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

2'–4' AC | 30.58

Pavement: Width and Type

6' AC | 24' AC | 37.11 | 37.08 | 2'–4' AC | 22' AC | 38.36 | 24' AC

Shoulder: Width and Type

2'–4' AC | 30.58 | 5'–7' AC | 3' AC | 39.82 | 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' | 39.35 | 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

31.26 31.30 31.66 31.78 31.86 32.05 32.11 32.12 32.23 32.41 32.49 32.61 32.66 32.78 32.86 32.88 32.96 33.05 33.10 33.19 33.26 33.28 33.51 34.36 34.43 34.47 34.55 34.60 34.82 34.84 35.11 35.12 35.22 35.23 38.74 38.77 38.91

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 | 37.13 | 37.26 | 55 MPH (2), 40 MPH MINIMUM

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

B71 0011 02842 | B71 0011 03073 | B71 0011 03705

HPMS Section

30.63 | 37.05

AADT (Year 2006)

2,600 | 30.72 | 2,100

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
33.32 FLH–011–2(19), 1990 34.70 FLH–011–2(22), WIDENING, 1991 35.93 FLH–011–2(23) 1992 37.00
(11JK–01–84M, 1985, RESURFACE) 30.13 (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 STA. 557 + 00 35.16 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 + 00 STA. 780 + 35.41

SCALE: (In Miles) 2" = 1 mile

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

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

ROAD INVENTORY

OAHU RTE 11
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

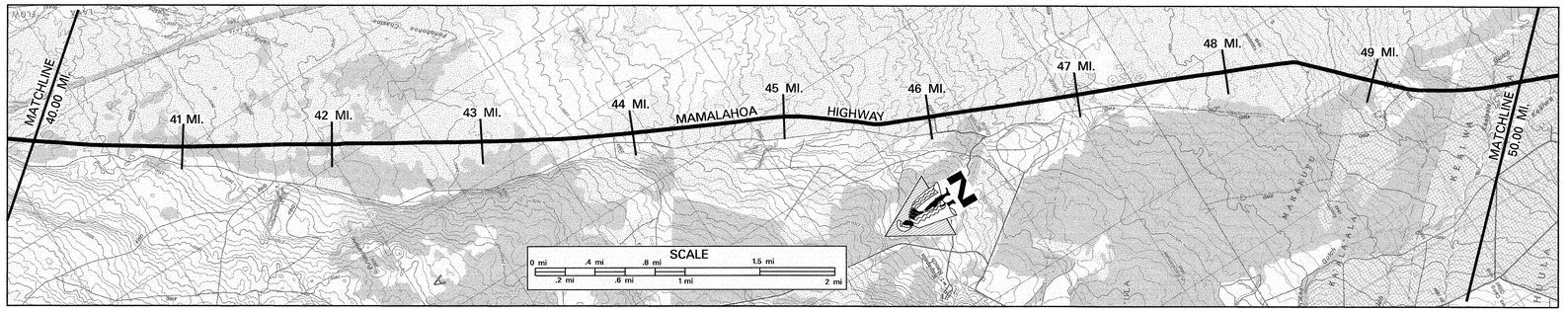
Total Route Length: 122.09 miles

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

11 H (11.86 MI.)

Structure Carrying Road

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

CONC. BOX CULVERT
1997 HS-20-44

PRESTRESSED CONC. PLANK,
HL-93, 2006

160' (40.07) 73' (40.46) 145' (40.77)

40' 34' 40'

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

80' (41.27) (41.44) 80' (40.00) 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)

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

NONE

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

STATE

(ER-12(2), BRIDGE REPLACEMENT, 2006)

183+00 (48.27) 200+00 (48.19) 193+97.81 (48.72) 200+98 (48.85)

Project No., Type of Construction, and Year Constructed

11H-01-80M, RESURFACE, 1980 (45.63)

11HKL-01-97M, RESURFACE, 1998

(11HKL-01-97M RESURFACE, 1998) (49.25) (40.59)
(STP-011-2(25), IMPRV., 1997)

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #4 — 40.00 MI.

PAVED RD. (40.58 MI.) (41.00 MI.)
SPEED STATION (42.00 MI.)
PAVED RD. (42.77 MI.) (42.99 MI.)
KAPAPALA RANCH RD. CULVERT (43.88 MI.)
PAVED RD. (44.98 MI.)
CULVERT (46.02 MI.) (45.97 MI.)
CULVERT (46.81 MI.)
CULVERT (46.97 MI.)
CULVERT (47.21 MI.)
MAKAKUPU BRIDGE (47.48 MI.)
PAVED ROAD TO PLANTATION (47.69 MI.)
SPEED MONITORING STA. PIKEA BR. (47.96 MI.)
CULVERT KAALAALA STR. BR. (48.96 MI.) (49.07 MI.)

MAMALAHOA HIGHWAY

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

193+53 (49.20 MI.) 196+76 (49.46 MI.)

CONTINUED ON SHEET #6 — 50.00 MI.

SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided

Shoulder: Width and Type

8'-10' AC (40.24) (40.58) 3' AC / 3' GRAVEL (41.00) 6' AC (41.27) 7'-9" AC (41.44) 3' AC / 3' GRAVEL (42.77) 8' AC (42.99) 3' AC/2' GRAVEL (43.88) 7' AC (44.38) 3' AC / 3' GRAVEL (45.63) 4'-6' AC (48.84) 6"-8" AC (48.96) 9" AC (49.07) 6'-8" AC (49.74) 6"-8" AC (49.87)

Pavement: Width and Type

24' AC (45.63) 22' AC

Shoulder: Width and Type

8'-10' AC (40.24) 3' AC / 3' GRAVEL (42.99) 8' AC (43.88) 3' AC/2' GRAVEL (44.38) 7' AC (44.98) 3' AC / 3' GRAVEL (45.63) 4'-5' AC (48.84) 5'-7" AC (48.96) 8" AC (49.07) 5'-7' AC (49.20) 7'-9' AC (49.46) 5'-7" AC (49.77)

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

2-12' (45.59) 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 (48.96) (49.07) (49.22) (49.28) (49.74) (49.87) CONC. GUTTER

ALL METAL ON METAL (48.91) (49.05) (49.63) (49.69) (49.48) (49.75) (49.82)

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

55 MPH (2) MINIMUM 40 MPH

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

B71 0011 03705 (42.77) B71 0011 04606

HPMS Section

AADT (Year 2006)

2,100 (46.06) 2,100

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
11H-01-80M, RESURFACE, 1980 (11GH-01-81, (SHOULDER STABILIZATION), 1981) 49.51 49.82
48.25 11G 01-78, 1978, (SHOULDER STABILIZATION)
F-18(5), 1953 45.00 WER 1(1), 1948 48.89 FAP 18 B 1938

SCALE: (In Miles) 2" = 1 mile

Date Released
June 2005, D.B.

Revised	
6/06	*D.B.*
1/07	*D.B.*

ROAD INVENTORY

HAWAII RTE 11
MAMALAHOA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

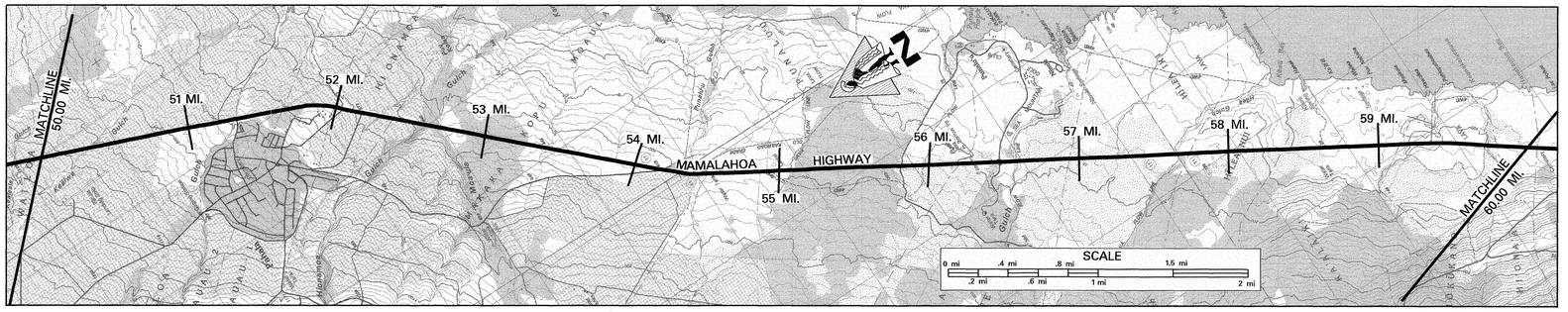
Total Route Length: 122.08 miles

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

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

Structure Carrying Road

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

	PRECAST PLANK 2001, HL–93	PRE–STRESSED CONC. PLANKS 2003, HL–93	CONC. FRAME 1938, H–15	SLAB 1938, H–15	TEE–BEAM 1940, H–15	TIMBER STRINGER 1950, H–15	TIMBER STRINGER 1940, H–15
Length	234'	126'	82'	43'	31'	60'	41'
Vertical Clearance	40'	40'	24'	24'	24'	24'	24'

Structure Over Road

Vertical Clearance	
Horizontal Clearance	

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

60' | (65') 60' | 60' | (60') 100' (85') | 60'–80' | 60' | 60'

Available Right of Way Width (Needs Study)

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

Right of Way Fence: Type – Right and Left

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

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

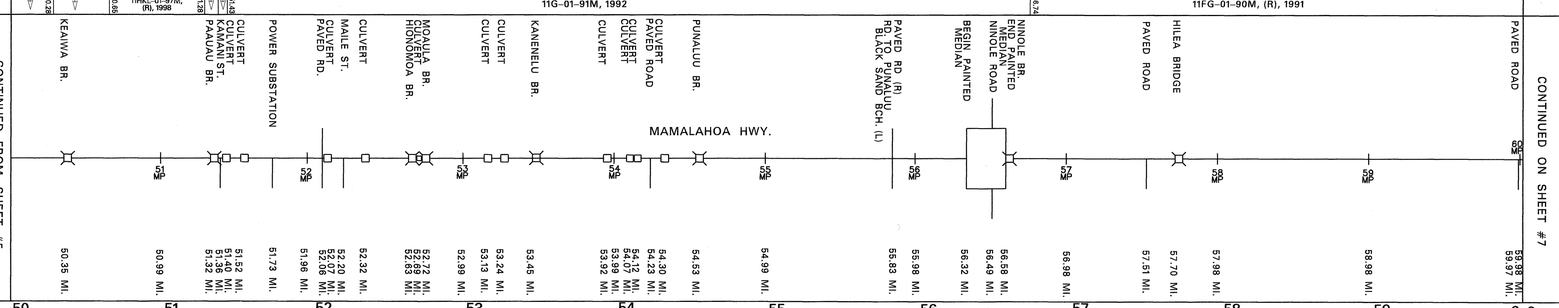
(ER-12(3), (BRIDGE REPLACEMENT), 2003)
(11HKL-01-97M, (R), 1998)
(ER-12(1), (BRIDGE REPLACEMENT), 2001)
(11GH-01-82M, (R), 1982)

Project No., Type of Construction, and Year Constructed

11HKL–01–97M, (R), 1998 | 11G–01–91M, 1992 | 11FG–01–90M, (R), 1991

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided

Shoulder: Width and Type	4'–9' AC | 4'–8' GRASS | (4'–8' GRASS) | 4' AC | 4'–6' AC | (115' AC) | 4'–6' AC
Pavement: Width and Type	(6' GRAVEL) | (8' GRAVEL) 22' AC | 20' AC | 10'–18' AC | 20' AC
Shoulder: Width and Type	4'–9' AC | 5'–15' GRASS | (6'–16' GRASS) | 4' AC | 0 | 4' AC | 4'–6' AC
Median: Width and Type	12' PAINTED MEDIAN
Median Barriers:	
Shoulder: Width and Type	0
Pavement: Width and Type	10'–18' AC
Shoulder: Width and Type	4' AC

Number of Traffic Lanes

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

(CONC. GUTTER) | (AC GUTTER)

Protective Devices: Type, Location and Number

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: RURAL

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station B71 0011 04606 | B71 0011 05649 | (B71 0011 05697)

HPMS Section 54.53

AADT (Year 2006) 2,100 | 2,500

DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

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

SCALE: (In Miles) 2" = 1 mile

Date Released
Jan. 2006, D.B.

Revised	
6/06	D.B.

ROAD INVENTORY
HAWAII RTE 11
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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FEDERAL HIGHWAY ADMINISTRATION

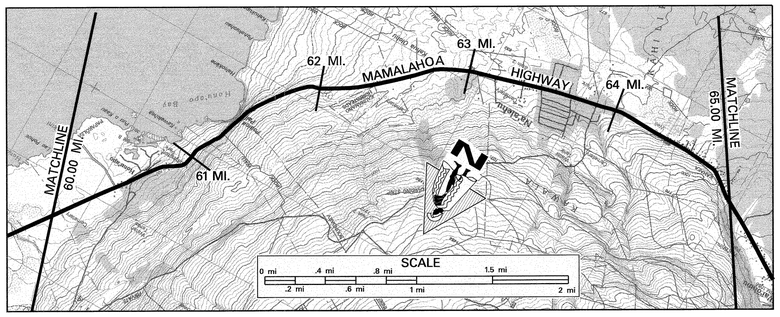
Total Route Length: 122.08 miles

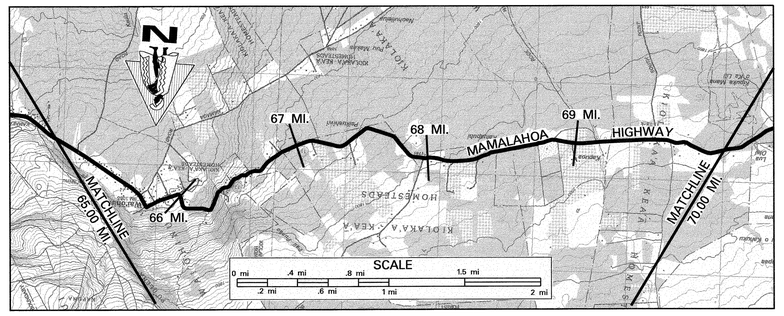
a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*





SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

11G (9.20 MI.) — END 11 F – BEGIN 11 G ON MAMALAHOA HWY AT CENTER-LINE INTERSECTION WITH HONUAPO WHARF RD. — 11F (8.98 MI.) — END 11E – BEGIN 11F ON MAMALAHOA HWY 79' WEST OF CENTER-LINE INTERSECTION WITH SOUTH POINT ACCESS ROAD. — 11E (9.31 MI.)

Structure Carrying Road

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

SLAB
1940, H–15
44'
24'

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

60' — 60'–110'

Available Right of Way Width (Needs Study)

BUSHES, LARGE TREES ON LAVA ROCK CUT SLOPES — RESIDENTIAL — TREES – DENSE BRUSH – GRASS

Right of Way Fence: Type – Right and Left

WIRE ON WOOD 15' FROM PAVEMENT
WIRE ON WOOD 15' FROM PAVEMENT
FENCE
ROCK WALL
(ROCK WALL)
(FENCE)

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

STATE — NONE

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

Project No., Type of Construction, and Year Constructed

(COUNTY, P-1942, 1974)
11FG–01–90M (R) 1991
11EF–01–93M (R) 1996

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #6

HONUAPO WHARF ROAD — HONUAPO BR. — POWER SUB-STATION — CULVERT — NAALEHU SCHOOL — NUI STREET — BRIDGE — KUKUI RD. — KAALAIKI RD. — RD. TO WATER TANK — CULVERT — ROAD TO PARK KA'ALUALU RD. — ROAD TO BASEYARD — KAMADA RD. — SHIRAKAWA MOTEL ROAD — PINAO ST. — KONOHIKI ST. — WAIOHINU SOLID WASTE TRANSFER STA. — PAVED ROAD — CULVERT PAVED ROAD — CULVERT — CULVERT — CULVERT — LORENZO RD. — SOUTH POINT RD.

MAMALAHOA HWY

61 MP — 62 MP — 63 MP — 64 MP — 65 MP — 66 MP — 67 MP — 68 MP — 69 MP — 70 MP

60.54 MI. — 60.80 MI. — 60.98 MI. — 61.99 MI. — 62.52 MI. — 62.99 MI. — 63.40 MI. — 63.61 MI. — 63.74 MI. — 63.90 MI. — 63.99 MI. — 64.60 MI. — 64.99 MI. — 65.18 MI. — 65.26 MI. — 65.52 MI. — 65.69 MI. — 65.84 MI. — 65.95 MI. — 66.07 MI. — 67.00 MI. — 67.98 MI. — 68.00 MI. — 68.27 MI. — 68.60 MI. — 68.99 MI. — 68.91 MI. — 69.07 MI. — 69.51 MI. — 69.63 MI. — 70.00 MI.

CONTINUED ON SHEET #8

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type

4'–6' AC — 4'–6' GRASS — 4'–6' BP — 4'–16' GRV. — 4'–15' GRASS — 8' GRASS — 0' — 15' AC — 2'–8' GRASS — 2'–8' BP — 0' — 2'–8' BP GRS. — 2' – 4' AC

Pavement: Width and Type

20' AC — (12' GRAVEL) — 22' AC — 24' AC — 18' AC — (12' GRV.) — 22' AC

Shoulder: Width and Type

4'–6' AC — 6' AC — 2'–10' GRASS — 4'–8' AC — 2'–6' GRASS — 2'–5' AC — 4'–15' GRS. — 4'–16' GRV. — 6'–10' AC — 5'–10' GRASS — 4'–8' AC — 18' DIRT — 4'–12' AC — 4'–10' GRASS — 4'–18' GRAVEL — 2'–8' GRS. — 2'–8' AC — 2'–10' GRASS — 2'–10' GRV. — 4'–12' AC — 4'–10' GRAVEL — 5'–6' AC — 2' – 4' AC

(6'–10' BP)

Divided Highway

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

2–10′ — 2–11′ — 2–12′ — 2–9′ — 2–11′

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

4' CONC. S.W. — 2' AC S.W. — (8' BP S.W.)

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

CONC. CURB — (AC ROLL)

Protective Devices: Type, Location and Number

METAL ON CONCRETE GUARDRAILS

Illumination: Type, Location and Number

MV — MV

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL

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

ROLLING — MOUNTAINOUS — ROLLING

Speed: 1–Design, 2–Posted

45 MPH (2) — (45 MPH (2)) (35 MPH (2)) 25 MPH (2) — 35 MPH (2) — 45 MPH (2)

(55 MPH (2) – MINIMUM 40 MPH)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

B71 0011 05997 — B71 0011 06054 — B71 0011 06184 — B71 0011 06299 — B71 0011 06390 — B71 0011 06595 — B71 0011 06798

HPMS Section

60.33 — 62.42 — 63.73 — 65.18 — 67.98 — 69.14

AADT (Year 2006)

2,500 — 2,500 — 2,500 — 2,500 — 3,700

DOD Sections

Census Tracts

Functional Classification

MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

(FAP 18C (1), 1938) — 60.29 FAGH 18 D(1), 1938 60.81 — STA. 778 + 66.33 — STA. 748 + 50

62.59 — COUNTY (P–1942) 1974 — 66.10 — COUNTY — COUNTY (P–1829) 1974

SCALE: (In Miles) 2" = 1 mile

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
HIGHWAYS PLANNING BRANCH

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

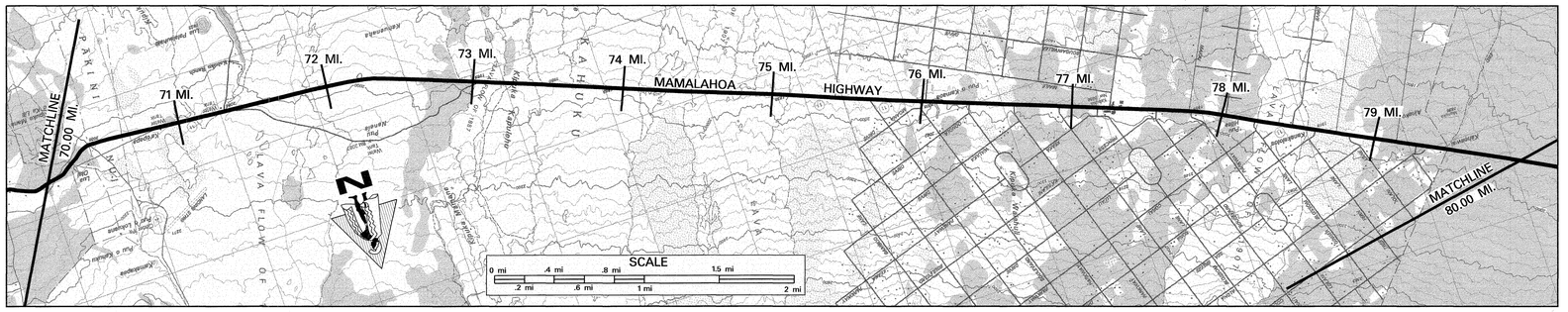
Total Route Length: 122.08 miles

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.)

Structure Carrying Road

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

Vertical Clearance

Horizontal Clearance

Structure and Road

Vertical Clearance

Horizontal Clearance

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

60'–110' | 100' | 90' | 60'–110' | 80' | 80' | 90'

Available Right of Way Width (Needs Study)

TREES – DENSE BRUSH – GRASS | TREES & BRUSH | 1000' CLEAR – LAVA ROCK 15' FROM EDGE OF PAVEMENT | TREES AND HEAVY BRUSH

Right of Way Fence: Type – Right and Left

ROCK WALL | ROCK WALL | ROCK WALL | ROCK WALL | (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

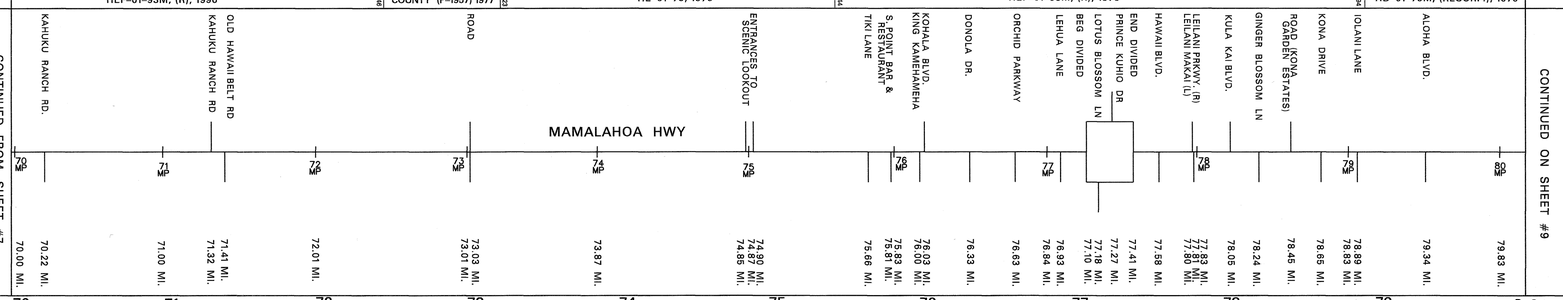
STA 837+00 | 11E-01-02M GUARDRAIL & SHOULDER IMPROVEMENT 2005 | STA 610+00

Project No., Type of Construction, and Year Constructed

11EF-01-93M, (R), 1996 | COUNTY (P-1957) 1977 | 11E-01-75, 1976 | 11EF-01-93M, (R), 1976 | 11D-01-79M, (RESURF.), 1979

Road Diagram

* MP = Milepost Signage



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 | 8'–10' AC | 6' BP

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

Shoulder: Width and Type — (2'–12' CINDER) — 8' AC | 8'–10' AC | 0 | 8'–10' AC | 6' BP

Median: Width and Type | 12' PAINTED AC

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') — 2–12' | 2–11'

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

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

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 | +2.34 | −0.85 | +2.85 | −1.38

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) | 55 MPH (2) | 55 MPH (2) (MINIMUM 40)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station — B71 0011 06788 | B71 0011 07022 | B71 0011 07663 | B71 0011 07758

HPMS Section — 71.42 | 77.30

AADT (Year 2006) — 3,700 | 3,700 | 3,700 | 3,700

DOD Sections

Census Tracts

Functional Classification

MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

(COUNTY (P-1829) 1974) — COUNTY (P-1957) 1974 | COUNTY | 11E-01-75 1976 | COUNTY (P-2129) 1977 COUNTY | 11D-01-79M (RESURF.) 1979 BF-011-(3) 1959

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
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

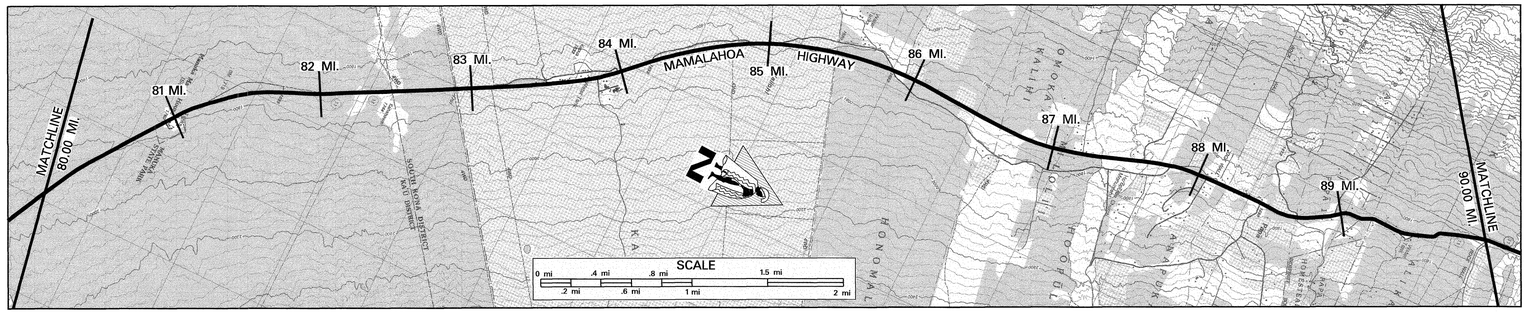
Total Route Length: 122.08 miles

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

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. 88.73 | 11 C (12.43 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') 80.25 80.34 80' 80.55 90 80.65 80' 81.43 90' 81.63 80' 82.46 80'–120' 83.80 80' 84.40 80'–105' 85.36 80' 87.74 80'–150' 87.56 80'–95' 87.96 80'–90' 88.70 50' 89.50

Available Right of Way Width (Needs Study)

TREES & HEAVY BRUSH | LAVA ROCK & LARGE TREES

Right of Way Fence: Type – Right and Left

80.57 80.62 (ROCK WALL) | (STONEWALL 20' FROM E.P.) 84.97 85.46 | 85.25 85.56 (STONEWALL 20' FROM E.P.) | 88.55 RUBBLE WALL 20' FROM E.P. FENCE 89.05 | 88.55 RUBBLE WALL 20' FROM E.P. FENCE 89.05

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 | 82.40 82.72 (BF–011–1(3), 1961) | 11D–01–82M, (RESURF.), 1982 | 88.87 | 11C–01–92, (R) 1994

Project No., Type of Construction, and Year Constructed

CONTINUED FROM SHEET #8

MANUKA PARK ENTRANCE | DISTRICT OF SOUTH KONA | DRIVEWAYS | KAPUA ROAD MAUKA | HONOMALINO AGR. OPP. RD. | PAVED ROAD | ENTRANCE TO PARKER RANCH STEWART | PAVED ROAD | PAVED ROAD | ROAD | LANI KONA RD. OLD MAMALAHOA HIGHWAY | HONOMALINO RD. | MILOLII VILLAGE ACCESS RD. | PAPA BAY DRIVE | PAPALANI PLACE | ROAD

MAMALAHOA HWY

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

80.83 MI. 80.97 MI. 81.83 MI. 82.49 MI. 82.83 MI. 83.07 MI. 83.86 MI. 83.89 MI. 84.83 MI. 85.11 MI. 85.85 MI. 85.93 MI. 86.35 MI. 86.56 MI. 86.84 MI. 86.98 MI. 87.54 MI. 87.83 MI. 87.93 MI. 87.97 MI. 88.37 MI. 88.73 MI. 88.83 MI. 88.98 MI. 89.15 MI. 89.46 MI. 89.82 MI.

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 — 6' BP

Pavement: Width and Type — 22' AC

Shoulder: Width and Type — 6' BP

Median: Width and Type — 88.61 0'–6' GRASS 8' AC 0'–6' AC

Median Barriers: — 89.57 20' AC 24' AC 20' AC

Shoulder: Width and Type — 2'–8' GRAVEL 8' AC 2'–8' GRV.

Pavement: Width and Type — 89.76

Shoulder: Width and Type — 89.74

Number of Traffic Lanes — 2–11'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — 88.61 2–10' 89.57 2–12' 2–10'

(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 — 84.09 84.23 84.14 84.22 84.09 METAL ON METAL | 87.86 87.95 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: — RURAL

Terrain: 1–Flat, 2–Rolling, 3–Mountainous — ROLLING 85.46 MOUNTAINOUS 88.89

Speed: 1–Design, 2–Posted — 55 MPH (2) (MINIMUM 40) | (45 MPH (2)) 88.87 88.92 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station — B71 0011 07758 | B71 0011 08837

HPMS Section — 85.85 | 88.37

AADT (Year 2006) — 3,700 | 3,700

DOD Sections

Census Tracts

Functional Classification — MINOR ARTERIAL

National Highway System (NHS)

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

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.
6/06 D.B.

ROAD INVENTORY

HAWAII RTE 11
MAMALAHOA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

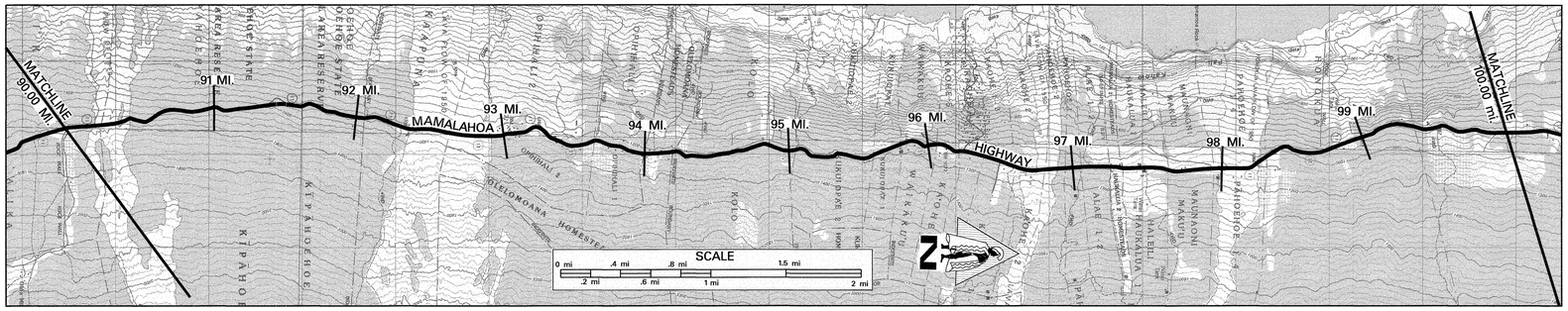
Total Route Length: 122.08 miles

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.)

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

50′ | 80′ | 50′ | 80′ | 50′ | 80′ | 50′

Available Right of Way Width (Needs Study)

LAVA ROCK AND LARGE TREES | LAVA ROCK & TREES | RESIDENTIAL AREA | BRUSH AND LARGE TREES

Right of Way Fence: Type – Right and Left

(STONE WALL 20′ FROM EDGE OF PAVMT)–(STONE WALL 20′ FROM EDGE OF PAVMT) | RUBBLE WALL–RUBBLE WALL | (RUBBLE WALL)–(RUBBLE WALL) | FENCE–FENCE | STONE WALL 20′ FROM EDGE OF PAVEMENT–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)
(11C-01-75M, 1976)

11BC–01–01M, (RESURFACE), 2004

Project No., Type of Construction, and Year Constructed

11C–01–92, (R), 1994 | 11C–01–91M, (R), 1992 | STP–0100(31), (IMPROV.), 1994 | 11BC–01–89M, (R), 1989

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET # 9.

KIPAHOEHOE RANCH HOP
KIPAHOEHOE RESERVE AREA
KIPAHOEHOE RESERVE AREA
PAVED ROAD
CONC. ROAD
CONC. ROAD
CONC. ROAD
CONC. ROAD
ROAD
CONC. ROAD
PAVED ROAD
KA OHE RANCH ROAD
ROAD
DRIVE WAY
SOLID WASTE WAIAKA RUBBISH DUMP

91 MP 92 MP 93 MP 94 MP 95 MP 96 MP 97 MP 98 MP 99 MP 100 MP

MAMALAHOA HIGHWAY

90.17 MI. 90.05 MI. 90.82 MI. 91.79 MI. 91.90 MI. 92.79 MI. 92.95 MI. 93.05 MI. 93.67 MI. 93.74 MI. 93.84 MI. 93.92 MI. 94.19 MI. 94.46 MI. 94.50 MI. 94.78 MI. 94.81 MI. 95.79 MI. 96.05 MI. 96.24 MI. 96.36 MI. 96.78 MI. 96.93 MI. 97.78 MI. 98.78 MI. 99.18 MI. 99.48 MI. 99.77 MI.

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 | 8′ AC | 0′–6′ GRASS | 4′ GRAVEL | 0′–4′ GRASS | 0′–4′ GRASS | 4′ AC

Pavement: Width and Type

20′ AC | 24′ AC | 20′ AC | 16′–18′ AC | (22′ AC) | 16′–18′ AC | 20′ AC | 16′–18′ AC | 20′ AC | 18′ AC | 20′ AC | 16′–18′ AC

Shoulder: Width and Type

2′–8′ GRAVEL | 0′–6′ GRASS | 8′ AC | 0′–6′ GRASS | 2′ AC | 3′ AC | 3′–6′ GRASS | 0′–6′ GRASS | (8′) | 0′–6′ GRASS | 4′ AC

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

2–10′ | 2–12′ | 2–10′ | 2–(8′–9′) | (2–11′) | 2–(8′–9′) | 2–10′ | 2–(8′–9′) | 2–10′ | 2–9′ | 2–10′ | 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)

2′ AC GUTTER | 1′ AC GUTTER | 2′ AC GUTTER

Protective Devices: Type, Location and Number — ALL GUARDRAILS 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:

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

Traffic Station

B71 0011 08837

HPMS Section

94.56

AADT (Year 2006)

3,700

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) | 11C-01-76M, (RESURFACE), 1976 FAP 8A, 1930 | 11C-01-91M, (RESURFACE), 1992 | (11BC-01-90, (IMPRV.), 1991) | 11C-01-75M, (RESURFACE), 1976 FAP 8-A, 1930 | 11C-01-90M, (R), 1990 (FAP 8B, ER 2(1), 1953) | 11C-01-76M, (R), 1776) | ER 2(1), FLOW #2, 1951 | FAP 8-A, 1930 | 11BC-01-89M, (R), 1989 (HHS-011-1(15), 1976) | 11C-01-76M, (R), 1976) | FAP 8-B, 1931 | (FAP 8-C , 1931)

ER 2(1), FLOW #3, 1951

SCALE: (In Miles) 2" = 1 mile

90 91 92 93 94 95 96 97 98 99 100

Date Released
Feb 2006, D.B.
Revised	
6/06	D.B.

ROAD INVENTORY

HAWAII RTE 11
MAMALAHOA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
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Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

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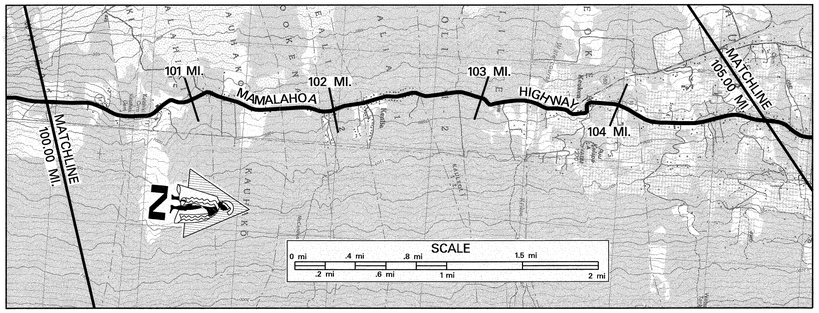
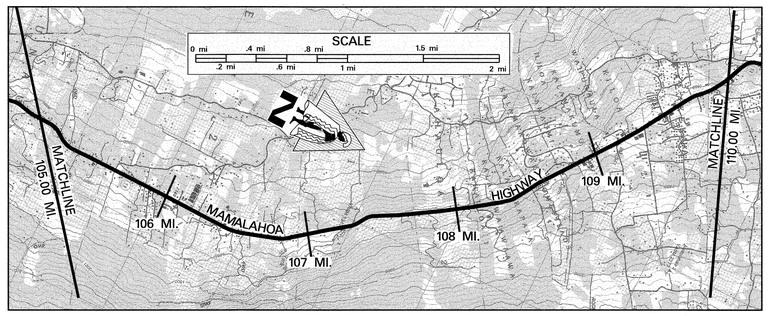
*





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.) | 101.16 END 11 B – BEGIN 11 C ON MAMALAHOA HWY @ THE CENTERLINE INTERSECTION WITH HOOKENA BEACH ROAD. | 11 B (14.50 MI.)

Structure Carrying Road

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

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

50′ | 50′–60′ | 60′

Available Right of Way Width (Needs Study)

BRUSH & LARGE TREES | STONE WALL 20' FROM EDGE OF PAVEMENT | STONE WALL 20' FROM EDGE OF PAVEMENT | (FENCE) (CRM WALL) (CRM WALL) (FENCE) | RESIDENTIAL AREA | STONE WALL

Right of Way Fence: Type – Right and Left

NONE

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

STATE | COUNTY

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

Project No., Type of Construction, and Year Constructed

(11B-02-89, (WIDEN & RESURFACE), 1990) (11B-01-96M, (R), 1998) | 11BC–01–01M, (RESURFACE), 2004 | 11B–01–96M, (RESURFACE), 1998

Project No., Type of Construction, and Year Constructed

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

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #10

CULVERT | HOOKENA BEACH RD. | HOOKENA SCHOOL RDs | ROAD | ROAD | POWER SUB STATION | ROAD TO CITY OF REFUGE NHP (KEALAKEKUA AVE. NEW RTE 160) | STATE HWY BASEYARD (FORMERLY STATION) | MIDDLE KEFEI RD. | HONAUNAU ELEM. SCH. RD. | ROAD | ROAD | CULVERT | KALAMALANI PL. | ROAD | ANOI PLACE | KOA RD. | CAPT. COOK "STATE HWY" SIGN | PAVED RD. (FORMERLY KAMAKANI ST.) & KINUE RD. | BEG. DIV. HWY | END STATE HWY | CAPTIN COOK ROAD

DOD 785 | DOD 790 | MAMALAHOA HWY

CONTINUED ON SHEET #12

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

Pavement: Width and Type

(10′ AC)

Shoulder: Width and Type

(8′ GRASS)

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)

10' PARALLEL PARKING

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

5′ AC SIDEWALK | 5′ AC SIDEWALK | 5′ AC SIDEWALK | 3′ AC SIDEWALK | (5′ AC SIDEWALK) | 3′ AC SIDEWALK | 2′ AC SIDEWALK | 4′ CONC. SW | 8′ CONC. SW

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

1′ BITUMINOUS CURB | 1′ BITUMINOUS CURB | 1′ BITUMINOUS CURB | (BITUMINOUS CURB) | 2′ CONC. CURB | CONC. CURB

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

M/C

Illumination: Type, Location and Number

FLASHING SCHOOL SPEED LIMIT SIGNS | 1 MV | 20 MV

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Traffic Station

B71 0011 08837 | B71 0011 10110 | B71 0011 10360 | B71 0011 10922

HPMS Section

AADT (Year 2006)

3,700 | 5,900 | 10,000 | 10,000

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 | 11B–01–96M, (RESURFACE), 1998 | 11B–01–81M, (RESURFACE), 1981

(11B–03–70, 1971) | (11B–03–70, 1971) (HHS–011–1(15), 1976) | NRH 8–E, 1936 | WPH 8–F, 1936 | COUNTY | WPH 8–F, 1936 | FAP 8–G, 1937 | COUNTY

FAP 8–C, 1931 | FAP 8–D, 1931 | NRH 8–E, 1935 | WPH 8–F, 1935 | EXCEPTION | WPH 8–F, 1935 | PROJ. #8–G

450 + 96.70

SCALE: (In Miles) 2" = 1 mile

100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110

Date Released
Feb 2006, D.B.
Revised
6/06 D.B.

ROAD INVENTORY

HAWAII RTE 11

MAMALAHOA HWY, KUAKINI HWY, QUEEN KAAHUMANU EXT.

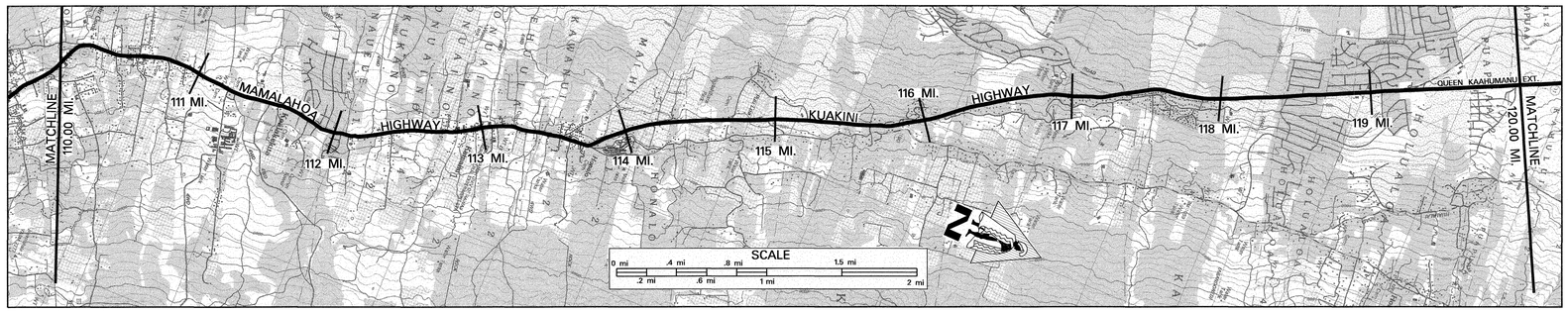
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 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

Date Released
Feb 2006, D.B.

Revised	
6/06	D.B.
2/08	D.B.

SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

11B (14.50 MI.) | END 11A – BEGIN 11B ON MAMALAHOA HWY 65' S.E. OF CENTERLINE INTERSECTION WITH KEAUHOU ACCESS RD. (FASC 180) | 11A

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

Structure Over Highway
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: 60′ | 80′–185′ | 200′ | 80′–185′ | 200′ | 100′–500′ | 160′–180′ | 230′ | (170′–450′)

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

Right of Way Fence: Type – Right and Left: STONE WALL / 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): COUNTY | STATE

Project No., Type of Construction, and Year Constructed: (STP-011-1(23), (DRAINAGE), 2000)

Project No., Type of Construction, and Year Constructed: COUNTY | (F-011-1(4), 1967) | (11B-01-78M, (R), 1978) | 11A-01-92M, (R), 1992 | STP-011-1(20), RESURFACE & IMPROVEMENTS, 1994 | F-011-1(14), (NEW ALIGNMENT), 1984

CONTINUED FROM SHEET #11.

110 111 112 113 114 115 116 117 118 119 120

OLD FASC 160 (RD. TO NAPOOPOO) 110.20 MI. | KEOPUKA HTS. RD. 110.41 MI. | KEOPUKA RD. 110.64 MI. | NORTH SOUTH ROAD 110.57 MI. | INTERMEDIATE ROAD 110.88 MI. | MELEANA PL. 110.80 MI. | BEGIN DIV. HWY 110.91 MI. | END DIV. HWY 111.14 MI. | CULVERT 111.21 MI. | KONAWAENA SCH. 111.33 MI. | KEALAKEHE PKWY (RD. TO KONA HOSP.) 111.42 MI. | KALEOLEO ST. 111.78 MI. | BEGIN DIV. HWY 111.81 MI. | NANI KUPUNA PL. 111.89 MI. | HOKUKANO RD. 112.34 MI. | 4H TROPICAL AGRI. RD. 112.78 MI. | ST. PAUL'S ROAD 113.01 MI. | OLD MAMALAHOA HWY 113.52 MI. | NAHENAHE LP. 113.82 MI. | ACCESS ROAD 113.92 MI. | WEST HONALO RD. 113.92 MI. | EAST HONALO RD. 114.17 MI. | ACCESS RD. TO OLD RTE 11 114.18 MI. | ACCESS ROAD 114.46 MI. | KALELEI ST. 114.67 MI. | BEGIN DIV. HWY 114.78 MI. | PUULOA RD. 114.83 MI. | END DIV. HWY 115.07 MI. | POINT ACC. TO SCENIC 115.18 MI. | HA'AWINA (RTE 180) 115.27 MI. | ACCESS FRONTAGE RD. 115.43 MI. | IHILANI PL. 115.48 MI. | WAILUA ST. 115.55 MI. | CULVERT 115.78 MI. | VIEW POINT ROAD 115.91 MI. | END DIV. HWY 116.16 MI. | KAM. III ROAD (RTE 185) 116.41 MI. | BEGIN DIV. HWY 116.67 MI. | END DIV. HWY 116.78 MI. | AKONI DR. 117.19 MI. | CULVERT 117.32 MI. | SUNSET DR. 117.43 MI. | BEGIN DIV. HWY 117.78 MI. | SEA VIEW CIRCLE 118.08 MI. | END DIV. HWY 118.32 MI. | NANI ST. 118.40 MI. | BEGIN DIV. HWY 118.51 MI. | LAKO ROAD 118.62 MI. | END DIV. HWY 118.77 MI. | ACCESS ROAD TO KUAKINI HWY 118.91 MI. | KUAKINI HWY 119.05 MI. | END DIV. HWY 119.32 MI. | QUEEN KAAHUMANU EXT. 119.48 MI. | 119.77 MI.

DOD 790 | DOD 795

MAMALAHOA HWY — KUAKINI HWY — QUEEN KAAHUMANU EXT.

CONTINUED ON SHEET #13.

SCALE: (In Miles) 2" = 1 mile

110 111 112 113 114 115 116 117 118 119 120

Divided Highway — Undivided

- Shoulder: Width and Type: 4′ GRS. | (6′ GRV.) 6′ GRASS | 2′ AC | 0′–6′ GRAVEL | 2′ AC | 0′–6′ GRAVEL | VARIES 0′–6′ | 10′ | 0 | 4′ | 2′ | 0 | 6′ | 2′ | 0 | (15′) | 10′ | 6′ AC | 10′ | 8′ AC | 10′ AC
- Pavement: Width and Type: 20′ AC | 10′ AC | 20′ AC | 22′ AC | 1′ AC | 20′ BP | 24′ BP | 44′ AC | 20′ AC | 18′ AC | 24′ AC | 11′ AC | 24′ AC | 22′ AC | 34′ AC | 23′ AC | 34′ AC | 22′ | 11′ AC | 22′ AC | 12′ AC | 24′ AC
- Shoulder: Width and Type: (3′–15′ GRASS) 2′ AC | 2′ GRV. | 1′–10′ GRAVEL | 0 | 1′–10′ GRAVEL | 6′ AC | 0 | 4′ GRAVEL | VARIES 4′–6′ (3′ AC) | 10′ | 0 | 10′ | 0 | 8′ AC | 0 | 10′ AC
- Median: Width and Type: (10′ PAINTED AC) | 11′ PAINTED MEDIAN | 12′ PAINTED MEDIAN | (13′) | (6′ AC) | 11′ PAINTED MEDIAN | 12′ PAINTED MEDIAN
- Median Barriers:
- Shoulder: Width and Type: 0 | 0 | 0 | 0 | 0
- Pavement: Width and Type: 5′ AC | 1′ AC | (2-10′) (2-18′) (2-15.5′) | 11′ AC | 11′ AC | 11′ AC | 12′ AC
- Shoulder: Width and Type: 2′ AC | 2′ AC | 6′ AC | 6′ AC | 8′ AC | 10′ AC

Number of Traffic Lanes: 2–10′ | (1-10′ (L), 1-12′ (R)) | (2-11′) | 2–10′ | 2–12′ | (2-14′) | 2–9′ | 2–12′ | 2-11′ | 2–12′ | 2-11′ | 1–11′ LANE; 1–12′ TRUCK CLIMBING LANE 1–11′ | 2–11′ | 2–12′

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | (Right Side): (8′ PARALLEL PARKING)

Frontage Road: No. of Lanes, and Width (Right and Left): (3′ CONC. SW) (3′ AC SW)

Sidewalk: Width and Type (Right and Left): (3′ AC SW) | 3′ AC SW | (8′ CONCRETE SIDEWALK)

Curb and/or Gutter: Type (Right and Left): (3′ AC SW) AC CURBS | (CONCRETE CURB) | CONC. GUTTER

Protective Devices: Type, Location and Number: M/C | M/M | ALL WOOD RAILS ON CONCRETE POSTS | M/M | M/M | METAL ON METAL GUARDRAILS

Illumination: Type, Location and Number: 20 MV

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL | URBAN

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

Speed: 1–Design, 2–Posted: 30 MPH (2) | (40 MPH (2)) | 55 MPH (2) (MINIMUM 40 MPH) | 45 MPH (2) | 55 MPH (2)

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

Traffic Station: B71 0011 10922 | B71 0011 11121 | B71 0011 11369 | B71 0011 11667 | B71 0011 11840 | B71 0011 11905

HPMS Section

AADT (Year 2006): 10,000 | 17,900 | 17,900 | 20,400 | 20,400 | 21,000

DOD Sections

Census Tracts

Functional Classification: (MINOR ARTERIAL) | PRINCIPAL ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

STP-0100(31), GUARDRAIL IMPROVEMENTS, 1994
11A-01-75, TRUCK CLIMB LANE, 1975
11A-01-79M, RESURFACE, 1979
11A-01-67, 1967
COUNTY | 11B-01-78M (R), 1978 | F-011-1(4), 1963 | S-229-1, 1952, BP | F-011-1(14), (NEW ALIGNMENT), 1984

0 + 00 | 110 + 54.67 | 330 + 64.40

SCALE: (In Miles) 2" = 1 mile

110 111 112 113 114 115 116 117 118 119 120

ROAD INVENTORY
HAWAII RTE 11
QUEEN KAAHUMANU EXT.

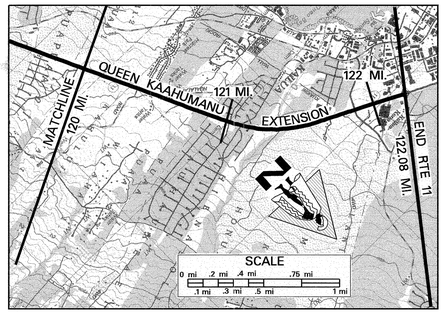
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

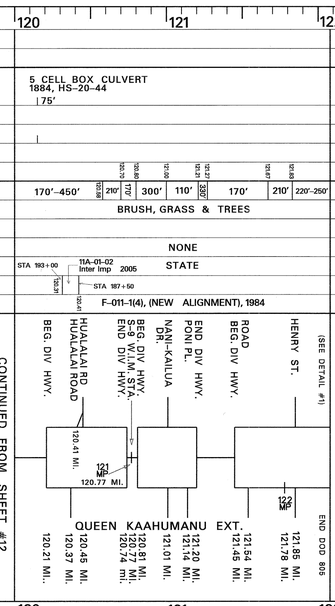
Total Route Length: 122.08 miles
a. Survey Length: 122.08 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description		
Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed	5 CELL BOX CULVERT 1884, HS-20-44 | 75'
	Vertical Clearance	|
	Horizontal Clearance	
Structure Over Road	Vertical Clearance	
	Horizontal Clearance	
Right of Way Width (min.-max.) if varies		170'-450'
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)		STATE (11A-01-02 Inter Imp 2005; STA 193+00; STA 187+50)
Project No., Type of Construction, and Year Constructed		
Project No., Type of Construction, and Year Constructed		F-011-1(4), (NEW ALIGNMENT), 1984



CONTINUED FROM SHEET #12

BEG. DIV HWY. 120.21 MI.
HUALALAI RD HUALALAI ROAD 120.37 MI.
BEG. DIV HWY. S-9 W.I.M. STA. END DIV HWY. 120.45 MI.
NANI-KAILUA DR. 120.81 MI.
END DIV HWY. PONI PL. 120.77 MI.
BEG. DIV HWY. ROAD 120.74 MI.
HENRY ST. (SEE DETAIL #1) 121.01 MI.
END DIV HWY. 121.20 MI.
BEG. DIV HWY. 121.14 MI.
END DOD 805 121.54 MI.
121.45 MI.
121.78 MI.
END RTE 11 ON QUEEN KAAHUMANU EXT. AT THE SOUTH EDGE OF PAVEMENT OF PALANI ROAD (RTE 190). 121.85 MI.

120.41 MI.
121 MP 120.77 MI.
QUEEN KAAHUMANU EXT.
122 MP

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

RTE 190
RTE 19 QUEEN KAAHUMANU HWY
RTE 11 QUEEN KAAHUMANU EXTENSION
END @ S.E. EDGE OF PAVEMENT OF PALANI ROAD
PALANI ROAD
KUAKINI HIGHWAY

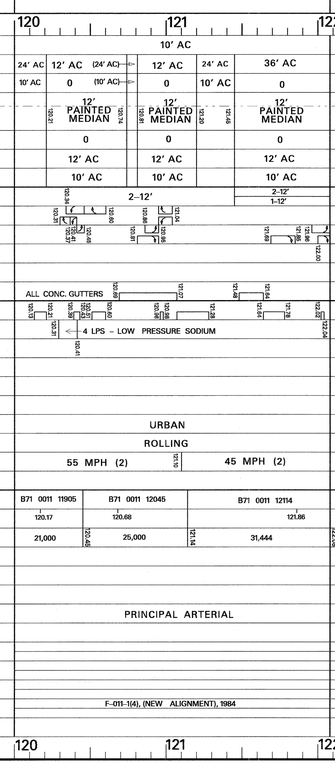
DETAIL #1

Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

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' / 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		
Traffic Station		B71 0011 11905 | B71 0011 12045 | B71 0011 12114
HPMS Section		
AADT	(Year 2006)	21,000 | 25,000 | 31,444
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



Date Released
Feb 2006, D.B.

Revised	
6/06	D.B.

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

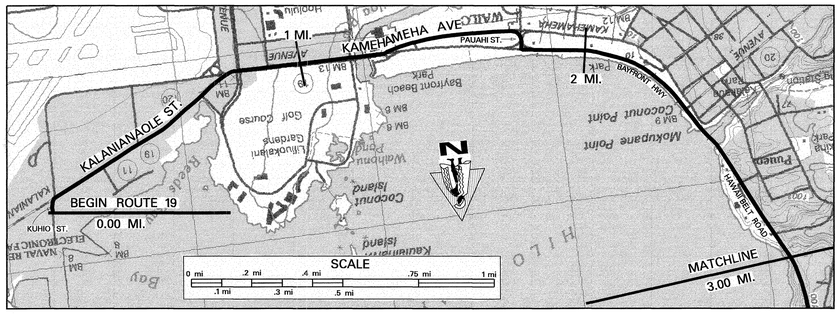
Total Route Length: 99.59 miles

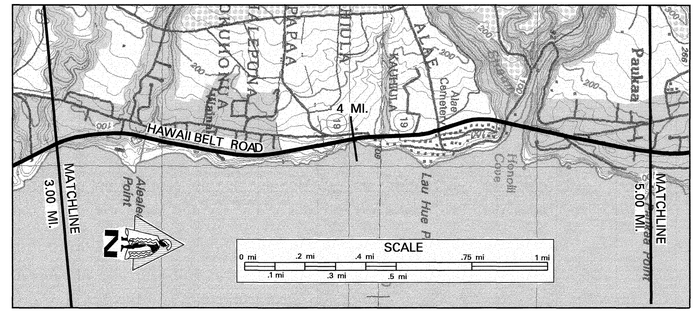
a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*





SCALE: (In Miles) 4" = 1 mile

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. 2.57 | 19K (1.63 MI.) | END 19U AND BEGIN 19K AT ALAE CEM. ACCESS RD. 4.20 | 19J (10.76 MI.)

Structure Carrying Road

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

PRE-STRESSED CONC. GIRDER 1993, HS-20-44 | STEEL MULTISTRINGER 1950, H20 | TEE BEAM 1949, H20 | CONCRETE TEE BEAM 1936 H15

Vertical Clearance

1.23 152′ | 2.50 442′ | 2.84 146′ | 4.49 544′

Horizontal Clearance

106′ | 28′ | 28′ | 24′

Structure Over Road

Vertical Clearance

2.89 20′ | 23′-02″ | 18′-02″

Horizontal Clearance

2.89 40′ | 3.60 57′ | 3.26 44′

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

2.29 75′–120′ 3.43 | 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 0.84 | PARTIAL 2.98 | NONE

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

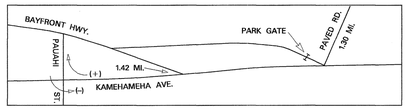
STATE 1.38 | COUNTY 1.88 | STATE

Project No., Type of Construction, and Year Constructed

(STP-019-2(32), (RESURFACE)) 0.15 | (BR-F-019-2(27), 1993 BRIDGE REPLACEMENT) 1.48 | (SDR 3(8), 1950) 2.59 | (19J-01-97M, (R), 1999) 4.87

Project No., Type of Construction, and Year Constructed

STP-0100(037), (IMPRV.), 1997 0.75 | NH-019-2(54), (BIKEWAY IMPRV.), 2003 1.49 | 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. — SILVA ST. & KALANIANAOLE ST. BEGIN DIV. HWY — END DIV. HWY — PAVED ROAD KUMAU ST. — KEAA ST. — BEG. DIV. HWY & END DIV. WAY — KAMEHAMEHA AVE. (RTE. 11) BANYON DR. (R) — KANOELEHUA AVE. BEG. DIV. HWY — KALANIKOA ST. — BEG. DIV. HWY — WAILOA BRIDGE MANONO ST. (L) — PAVED ROAD — ONE WAY ROAD — ROAD FROM PARKING LOT — SEE DETAIL #1 — BEG. DIV. HWY — END DIV. HWY — BAYFRONT HWY. PAUAHI ST. — END DIV. HWY — WAIANUENUE AVE. (PAUAHI) (1950) BEG. DIV. HWY — WAILUKU BR. END DIV. HWY — PUKIHAE ST. — PUKIHAE BRIDGE — HALAULANI ROAD O.P. — BEG. DIV. HWY — H.S.P. CO. HILO MILL RD. (R) FLUME O.P. — END DIV. HWY — HAU ST. — SCENIC LOOKOUT — WAINAKU ST. — ALAE CEMETARY ENTRANCE — NAHALA ST. (R) KAHOA RD. (L) — HONOLII BRIDGE — KULIANA ST. EXT. PAUKAA DR. BEG. DIV. HWY — END DIV. HWY — KAHOA PL. — END DIV. HWY

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

0.00 MI. 0.08 MI. 0.08 MI. 0.00 MI. | 0.10 MI. 0.29 MI. | 0.34 MI. | 0.43 MI. | 0.64 MI. | 0.69 MI. | 0.79 MI. | 0.84 MI. | 0.94 MI. | 1.05 MI. | 1.23 MI. 1.21 MI. | 1.33 MI. | 1.49 MI. | 1.53 MI. | 1.65 MI. 1.63 MI. | 1.78 MI. | 1.83 MI. | 1.96 MI. | 2.32 MI. | 2.40 MI. | 2.49 MI. | 2.50 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. 4.70 MI. 4.73 MI. | 4.78 MI. | 4.87 MI. | 4.94 MI.

CONTINUED ON SHEET #2
5.00 MI.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type

(6′ GRS.) 0.00 0.08 0.08 0.00 | (25′ GRASS (44′–6″ AC) 6′–15′ GRASS) 0.29 0.64 | (6′–8′ GRASS) 0.69 0.79 | 5′ AC SHLDR. / BIKELANE 1.15 | 2′–4′ AC 1.28 | 8′–20′ AC 1.47 | (50′ AC) 1.78 | 0′–1′ AC 1.88 | 8′ AC 2.35 | 30′ AC 2.45 | (0′–1′ AC) 2.59 | (12′ AC) 4.89 | 8′ AC 4.87 | (6′ AC) 4.90

Pavement: Width and Type — ALL PAVEMENT AC

28′ (16′) | (25′ GRS./GRV.) 28′ | 12′ 36′ 0.36 0.46 0.64 0.79 | 45′ | 24′ AC 1.48 | 28′ AC 1.78 | 28′ AC | 12′ AC | 32′ AC (20′ AC) 2.35 | 24′ AC 2.45 (20′ AC) | (12′ AC) | 24′ (50′) | 24′ | 27′ 3.38 | 53′ | 24′ (22′ AC) 4.85 | 12′ AC | 24′ AC

Shoulder: Width and Type

(6′–8′ GRASS) 0 0.03 | 15′ AC 0.17 0.18 | 10′ AC 0.22 0.27 | 15′ GRS. 0.29 0.64 | 8′–12′ GRS. 0 | 16′ AC 0.79 0.82 | 5′ AC SHLDR. / BIKELANE | 0 (0′–1′ AC) | 0 | 1′ AC 1.84 | 8′ AC | 8′ AC | 0 1′ AC | 4′ AC | 0 | 4′ AC | 0 | 6′ AC

Median: Width and Type

0.03 0.17 0.18 0.22 0.27 (32′ GRV.) 0.29 0.64 | (0′–12′ PAINT) 0.69 1.05 | 0′–20′ PAINTED AC 1.63 | (PAINTED AC) 1.65 | (0′–10′ RAISED GRASS) 1.84 1.89 | (0′–12′ PAINTED AC) 1.98 2.32 | 2′–12′ RAISED GRASS 2.45 | 4′–12′ GRASS 3.04 | M/M 3.32 | 0′–8′ PAINTED AC 4.89

Median Barriers:

(0′–8′ PAINT) 0.69 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″) 0.80 0.84 (1–11″) (1–12″) | 22′ AC | 22′ AC 1.98 | 20′ AC 2.14 | 16′ AC | 26′ | 12′ AC

Shoulder: Width and Type

0 (8′–16′ AC) (1–12″) | 5′ AC SHLDR. / BIKELANE 1.31 | 8′ AC 1.45 | 0′–1′ AC 1.63 | 0′–1′ AC 1.65 | 2′ AC 1.88 | 2′ AC 2.32 | 2′ AC 2.45 | 4′ AC | 8′ AC

Number of Traffic Lanes

(2–14″) (1–16″) (1–15″) | 2–14′ | (1–12″) (1–12″) 1–14″ 1.21 | 2–12′ 1.48 | 2–11′ 1.76 | 2–34′ 1.88 | 1–12′ 1–20′ | 1–16′ (2–12″) 2.44 | 2–12′ | 2–12′ 3.00 | 2–13′ 3.10 | 1–13″ (L), 1–14″ (R) 3.38 | 2–12′ | (2–11″) 4.78 | 2–12′

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

11′ TL 0.74 0.84 (1–10″) (1–12″) 0.89 | 14′ TL 12′ 1.21 1.37 11′ 1.42 | 11′ TL 1.73 1.82 | 2–12′ TLs 2.44 | 12′ TL 3.15 3.18 3.25 3.32 3.37 | 10′ T.Ls 3.47 | 11′ TL 3.55 | 12′ TL 4.78 4.89 | 12′ ACC. LN.

(Right Side)

(10′ PARKING LN.) 0.03 0.08 0.16 | 12′ TL 0.80 0.80 10′ T.L. | 1.16 10′ | 12′ T.L. 1.17 1.21 | 12′ T.L. 1.29 1.39

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

Sidewalk: Width and Type (Right and Left)

0.03 0.08 0.16 (8′ CONCRETE) 0.20 | 8′ CONC. 0.80 0.80 | 8′ CONC. CONC. CURB 1.06 1.33 | 1.49 1.49 | 8′ CONC. CONC. CURB 1.06 1.33

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

0.20 (CONC. CURB) | CURB + GUTTER 1.62 1.69 | CURB + GUTTER 2.45 2.45

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

2.61 2.73 | 2.85 2.87 2.90 2.90 2.92 2.94 3.02 | 3.24 3.27 3.32 3.34 | 3.68 3.86 3.99 4.19 | 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 2.94 | RURAL

Terrain: 1–Flat, 2–Rolling, 3–Mountainous — FLAT 2.57 | ROLLING

Speed: 1–Design, 2–Posted

NOT POSTED 0.22 | 35 MPH (2) 1.42 | 55 MPH (2) 2.18 | 45 MPH (1) 2.44 | 35 MPH (2) 2.71 | 45 MPH (2) 3.20 | 55 MPH (2) (MINIMUM 40 MPH)

Intersection Control Devices: Type, Location and Cycle Timing

0.84 3 PHASE | (B71 0019 00178) 1.83

Traffic Station

B71 0019 00000 | B71 0019 00079 | B71 0019 00133 | B71 0019 00183 | B71 0019 00248 | B71 0019 00289 | B71 0019 00322

HPMS Section

0.41 | 1.07 | 1.65 | 1.83 2.17 | 2.60 | 2.97

AADT (Year 2006)

15,100 | 0.79 19,800 | 1.33 26,500 | 1.78 10,800 | 2.48 16,400 | 2.89 16,400 | 3.22 15,300

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 | 0.91 19L-01-82M, (R), 1982
0.15 (19L-01-82M, (R), 1982) 1.31 | 19L-01-79M, (R), 1979 | 19K-01-85M, (RESURFACE), 1985 | 4.60 19J-02-88M, (R), 1988
SDR-2(2), 1951 | (SDR 3(8), 1950) 2.49 | 19 K-01-72, (R), 1972 | 3.32 SDR 3(1), 1948 | 19JK-01-70 (RESURFACE & REHAB) 1971 | 4.65 SDR-3(4), 1950
COUNTY TO STATE (PHASE 1) 1.42 | 2.57 132 + 42
60 + 00 | 0 + 00 | 86 + 04

SCALE: (In Miles) 4" = 1 mile

Date Released
Feb 2006, D.B.
Revised
6/06 D.B.

ROAD INVENTORY

HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

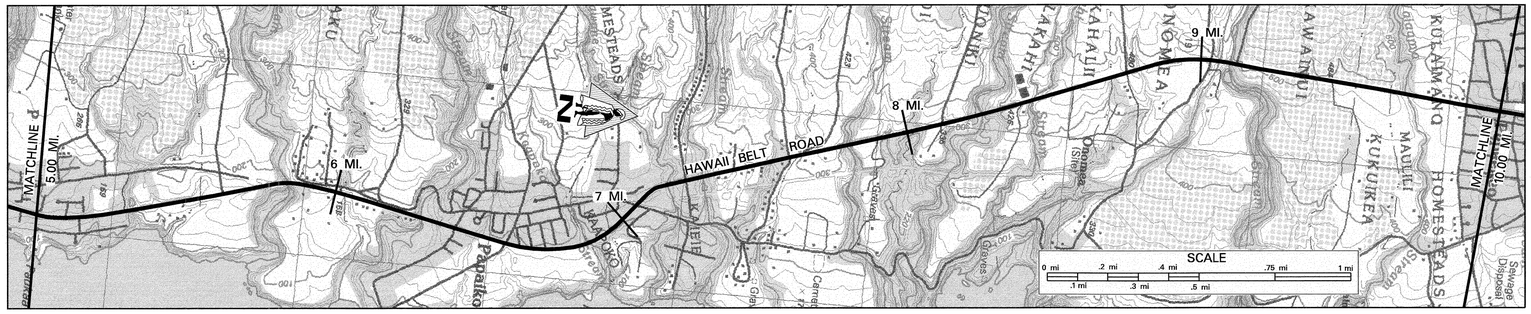
Total Route Length: 99.59 miles

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.)

Structure Carrying Road

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

CONC. MASONRY ARCH HS–20, 1912, (1967) 49′ (5.82) | STEEL GIRDER & FLOOR BEAM H–20, 1950 415′ (6.27) | PRESTRESSED BEAM HS–20, 1967 210′ (7.29) | PRESTRESSED BEAM HS–20, 1967 145′ (7.77) | PRESTRESSED BEAM HS–20, 1968 424′ (8.20) | STEEL GIRDER & FLOOR BEAM H–20, 1948 71′ (8.08) | PRESTRESSED BEAM 1968, HS–20 198′ (8.66)

Vertical Clearance

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

Structure and Road

Vertical Clearance

15′ 11″ (7.04)

Horizontal Clearance

42′

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

70′–261′ (5.14) | 70′–125′ (5.53) | 100′–250′ (7.90) | 80′–135′

Available Right of Way Width (Needs Study)

(SUGAR CANE) (8.66) | RESIDENTIAL (8.69)

Right of Way Fence: Type – Right and Left

NONE

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

STATE

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

STA 144+40 (8.98)

Project No., Type of Construction, and Year Constructed

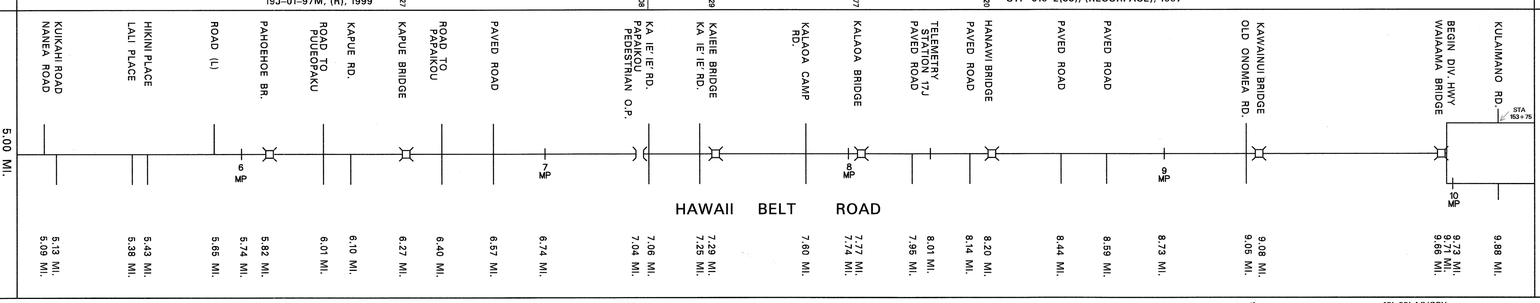
(19HJ–02–95M, (BRIDGE REPAIR), 1996) (8.27) (7.29) (7.77) (8.20) | 19J–01–02 IMP 2005 (9.70) | STA 159+00

Project No., Type of Construction, and Year Constructed

19J–01–97M, (R), 1999 (7.08) | 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 (5.25) | 1½″ AC (5.31) 6′ AC (5.47) | 5′–10′ AC (6.46) | 6′ AC (6.67) | 5′–8′ AC (7.17) | 1½″ AC (7.22) | 8′–14′ GRASS/GRAVEL (8.04) | 4′ AC (8.41) | 8′–18′ GRAVEL (8.82) | 1½″ AC (9.03) | 6′ GRS (8′ GRV.) | 11′–19′ GRAVEL (9.54) | 3″ AC (9.60) | 6′ AC (9.98) (2′–4′ AC)

Pavement: Width and Type

24′ AC (7.08) | 22′ AC (8.31) | 35′ AC (8.88) | 22′ AC (9.60) | 12′ AC

Shoulder: Width and Type

6′ AC (6.08) | 5′ AC (6.39) | 6′ AC (7.08) | 5′ AC (7.17) | 8′–12′ GRASS/GRAVEL (8.21) | 4′–6′ AC (8.45) | 6′–15′ GRAVEL (9.08) | 6′ GRS (9.17) | 18′–23′ GRAVEL (9.54) | 3″ AC (9.60) | 1½″ AC (9.71) | 0

Divided Highway

Median: Width and Type

(8′–10′ GRASS) | 10′–15′ AC/GRV (9.71) | (0′–10′ PAINTED MEDIAN) (9.97) (0′–10′ PAINTED MEDIAN)

Median Barriers:

Shoulder: Width and Type

0

Pavement: Width and Type

12′ AC

Shoulder: Width and Type

6′ AC (9.97) (8′–18′ GRAVEL)

Number of Traffic Lanes

2–12′ (7.08) | 2–11′ (8.31) | 2–11′ (8.88) | 2–11′ | 2–12′

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

(10′ TL) (9.77) (9.92) (9.98)

(Right Side)

1–12′ TRUCK CLIMBING LANE (8.31–8.88)

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.

(5.05) (2) 5.73 | 5.32 5.24 (3) 5.30 | 5.55 (3) 5.53 | 5.86 (2) 5.82 | 6.03 (3) 6.08 | 6.19 (2) 6.24 6.26 (1) 6.28 | 6.82 (1) 6.89 | 6.90 (2) 6.84 6.93 (2) 6.99 | (1) 7.17 7.22 | 7.38 (1) 7.35 7.41 (1) 7.38 | 7.54 7.56 (3) 7.52 | 8.47 (1) 8.46 | 8.71 (1) 8.67 8.75 (1) 8.73 | 8.94 8.93 (3) 8.96 9.04 | 9.26 9.22 (1) 9.25 9.32 (1) 9.28 | 9.70 9.72 7 Low Pressure Sodium 9.98

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), MINIMUM 40 MPH (6.05 6.07) | 45 MPH (2) (6.97 FLASHING WARNING LIGHTS 7.19) | 55 MPH (2), MINIMUM 40 MPH (7.62)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

B71 0019 00322 | B71 0019 00640 | B71 0019 00760 | B71 0019 00966

HPMS Section

6.25 | 7.20 | 9.60

AADT (Year 2006)

15,300 (6.40) | 11,100 (7.80) | 11,000 (9.66) | 9,700

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 (7.08) | 19J–01–85M, (R), 1985 (9.12) (9.16) | 19J–01–85M, (R), 1985 (9.65) | 19J–03–85M, (R), 1985

19 JK–01–70, (RESURF. & REHAB), 1971 (6.35) | 19GHJ–01–78M, PMS–0100(11), UNIT 2, RESURFACE 1978 (7.78 7.81 8.21) | 8.29 19J–02–75, UNIT I, TRUCK CLIMBING LANE, 1979 (9.04 9.11) | 19GHJ–01–76, (R), 1976 (9.88)

SDR–3(4), 1950 (6.97) | (F–019–2(8), 1968) | F–AF 14B(1), 1949 | (19GHJ–01–76M, (R), 1976)

(125+03.76) 0+00

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

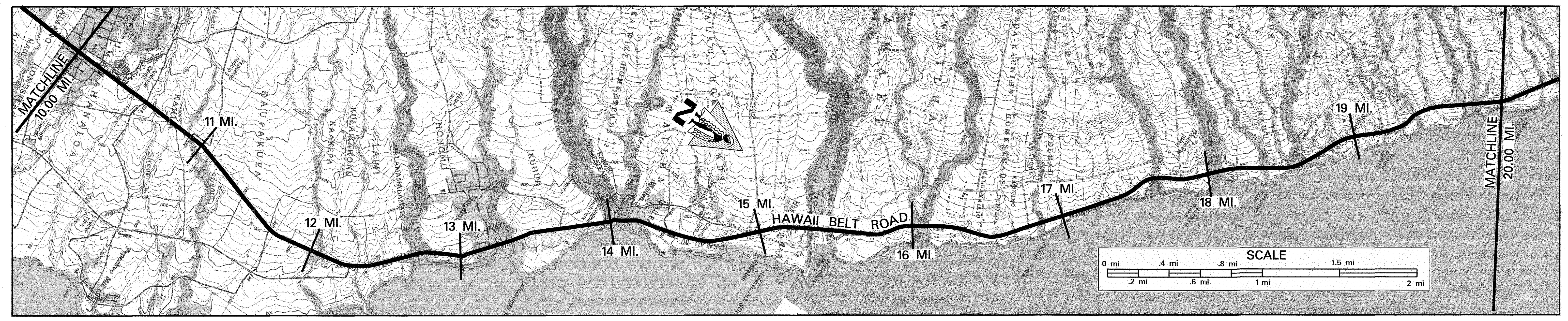
HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS 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 — 10 11 12 13 14 15 16 17 18 19 20

Item	Data
Maintenance Control Sections : Length and Description	19J (10.76 MI.); 14.96 END 19H - BEGIN 19J AT THE CENTERLINE OF HAKALAU ROAD; 19H (14.26 MI.)
Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed	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' (17.61); H-20, 1952, 531' (17.98); HS-20, 1952, 297' (18.57); TEE BEAM H-15, 1934, 34'; H-20, 1951, 112' (19.40); TEE BEAM 1951, H-20, 50' (19.73)
Structure Carrying Road — Vertical Clearance	
Structure Carrying Road — Horizontal Clearance	28' (13.30); 28' (13.96); 28' (15.30); 28' (16.02); 28' (17.61); 28' (17.98); 28' (18.57); 24' (19.16); 28' (19.40); 28' (19.73)
Structure Over Road — Vertical Clearance	16'-04" (11.42); 16'-03" (14.93); 25'-08" (15.27)
Structure Over Road — Horizontal Clearance	42' (11.42); 42' (14.93); 38' (15.27)
Right of Way Width (min.-max.) if varies	80'-135'; 11.65; 100'-430'; 14.88; 100'-230'; 15.89; 85'-225'; 18.99; 90'-200'; 19.91 (70'-160')
Available Right of Way Width (Needs Study)	(RESIDENTIAL) 10.05; CLEAR 1000' - SUGAR CANE 10'-20' FROM PAVEMENT; 17.46 LARGE TREES & HEAVY BRUSH 18.46 RESIDENTIAL 19.36 LARGE TREES 19.65 (BRUSH AND LARGE 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)	STATE
Project No., Type of Construction, and Year Constructed	(19J-02-85, TRUCK. CLIMB LN., 1987) 12.45; (19H-01-70, (R), 1971) 14.05
Project No., Type of Construction, and Year Constructed	STP-019-2(35), RESURFACE, 1997; 12.43; 19J-02-97M, RESURFACE, 2000; 14.04; STP-019-2(36), (R), 1998; 17.18; 17.49 (19H-01-00M, REALIGNMENT, 2002); STP-019-2(36), (R), 1998

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP=Milepost Signage

10.00 MI. CONTINUED FROM SHEET #2

HAWAII BELT ROAD

Feature	Milepoint
KA'AKEPA ST.	10.15 MI.
END DIV. HWY	10.31 MI.
HILO COAST POWER CO. ACC. (R) / KOUPAKUEA HOME STD. ROAD (L)	10.54 MI.
11 MP	10.74 MI.
ROAD (L)	10.94 MI.
PEPEEKEO PLANTATION O.P.	11.42 MI.
ROAD / 12 MP	11.74 MI. / 11.69 MI.
PAVED ROAD	11.89 MI.
PAVED ROAD / PAVED ROAD / BEG. DIVIDED	12.17 MI. / 12.29 MI. / 12.35 MI.
END DIVIDED	12.44 MI.
13 MP	12.74 MI.
PAHEEHEE BRIDGE / RD. TO HONOMU & AKAKA FALLS (RTE 220)	13.30 MI. / 13.25 MI.
SOLID WASTE TRANSFER STA. / 14 MP	13.74 MI. / 13.69 MI.
KOLEKOLE BRIDGE / RD. TO KOLEKOLE BEACH PARK	13.96 MI. / 13.95 MI.
CULVERT	14.20 MI.
ROAD	14.38 MI.
ROAD (L)	14.57 MI.
15 MP	14.74 MI.
RD. TO HAKALAU (R) / RD. TO WAILEA (L) / CHIN CHUCK PEDESTRIAN O.P.	14.95 MI. / 14.93 MI.
HAKALAU PLANTATION O.P. / CULVERT	15.27 MI. / 15.15 MI.
HAKALAU BRIDGE	15.30 MI.
16 MP	15.79 MI. / 15.74 MI.
UMAUMA BRIDGE	16.02 MI.
KAUNIHO ROAD	16.42 MI.
17 MP	16.74 MI.
OPEA BRIDGE	17.61 MI.
18 MP	17.74 MI.
NANUE BRIDGE / PAVED ROAD	17.98 MI. / 17.91 MI.
PAVED ROAD	18.37 MI.
WAIKAUMALO BR.	18.57 MI.
ROAD TO PARK / 19 MP	18.80 MI. / 18.74 MI.
WAIKOLU BRIDGE	19.16 MI.
NINOLE BRIDGE	19.40 MI.
PAVED ROAD	19.52 MI.
MANOLOA BR. / 20 MP	19.74 MI. / 19.73 MI.
ROAD	19.87 MI.

CONTINUED ON SHEET #4 20.00 MI.

SCALE: (In Miles) 2" = 1 mile — 10 11 12 13 14 15 16 17 18 19 20

Item	Data
Undivided — Shoulder: Width and Type	(2'-4' AC) 15' GRV.; 10.42 (7' GRV.) 2'-6' AC; 10.89 6'-12' GRV.; 11.53 5'-8' AC; 11.87 7' AC; 11.96 12.04 4'-6' DIRT; (6'-12' GRS.); 5' AC; 6' AC
Undivided — Pavement: Width and Type	12' AC; 22' AC; 10.46 28' AC; 11.21 24' AC; 11.58 36' AC; 12' AC; 24' AC
Undivided — Shoulder: Width and Type	0; 8'-18' GRV; 10.55 4'-15' GRASS; 11.37 6'-8' GRV.; 11.53 5'-12' GRS.; 11.96 7' AC; 0; 6' AC
Divided Highway — Median: Width and Type	0'-10' PAINTED MEDIAN; 10.31; (12' PAINT) 12.36; 12.46
Median Barriers:	
Divided — Shoulder: Width and Type	0; 0
Divided — Pavement: Width and Type	12' AC; 12' AC
Divided — Shoulder: Width and Type	8'-18' GRV.; 7' AC
Number of Traffic Lanes	2-12'; 2-11'; 10.46 2-14'; 11.21; 2-12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	10.02 10.15 10.28; 11.58 TRUCK CLIMBING LANE - 12' 12.36
(Right Side)	10.15; 10.04
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	11.82 11.87
Curb and/or Gutter: Type (Right and Left)	10.16 10.25; 10.59 10.63; 10.74; 10.87 10.90 10.96 10.98; (6' AC GUTTER); 11.96 12.00 (2); 12.30 12.33; 12.40 12.44; 14.06 14.14; 14.63 14.65 14.70; 14.79; 15.72 15.76; 16.31 16.33; 16.48 16.50; 17.60; 18.30 18.33; 18.65 18.73 18.78 18.80; 19.35; 19.55 19.57; 19.74 19.77 19.80 19.87
Protective Devices: Type, Location and Number (ALL METAL ON METAL; (2) WOOD ON CONCRETE)	10.02 10.15 10.19 10.23; 10.42 10.49; 10.61 10.64; 10.73 10.75; 10.91 10.93; 11.50 11.83; 11.88 11.95 .04; 12.10 12.15; 12.26 12.30; 12.47; 12.68 12.79; 13.08 13.15 (2); 13.51 13.53; 13.61 13.64; 13.96 13.97; 14.52 (2) 14.78; 15.20 15.22 15.29 15.30; 15.74 15.78; 16.27; 17.33 17.37; 17.52 17.58; 17.67; 17.83 17.92; 18.31 18.38; 18.49 18.57; 18.65 18.75 18.82 18.85; 18.97 19.01 19.06 19.09; 19.25 19.31; 19.39 19.46; 19.76 19.86; 19.94
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) - MINIMUM 40 MPH; 17.18 45 MPH (1) 17.49; (55 MPH (2) (40 MPH MINIMUM)); 18.72 45 MPH (2) 19.35; 19.65 55 MPH (2); (55 MPH (2) (40 MPH MINIMUM))
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Station	B71 0019 00966; B71 0019 01054; B71 0019 01325; B71 0019 01674; B71 0019 01916
HPMS Section	12.74; 15.74; 18.74
AADT (Year 2006)	9,700; 10.54 9,300; 13.25 7,300; 16.74 7,300; 19.16 7,300
DOD Sections	
Census Tracts	
Functional Classification	PRINCIPAL ARTERIAL
National Highway System (NHS)	NHS
Previous Projects: Project No., Date and Limits	(19J-03-85M (R) 1985) 10.33; 19J-01-87M (R) 1987; 11.21; FA-F14B(1), 1949 (198+00); 10.74 (0+00); TRUCK CLIMB LANES 11.45; 19J-02-75, U-2, 1982; 12.08; 11.81 19J-02-85, 1987; 12.45 19J-01-88M, (R), 1988; 19J-01-78M, RESURFACE, 1978; SDR-3(2), 1951; (19H-01-70, (R), 1971) 14.05; (19H-01-70, 1971, (R)) 13.97 14.06; (F-FR-019-2(21), RESURFACE, 1983) 14.70; (19H-01-70, (R), 1971); (SDR-3(10), 1955) 13.97 (170+68.16); 14.07 (65+00) (70+58.63); SDR-3(12), 1950; (19J-02-87M, (R), 1987) 14.37; STP-0100(31), 1994; 14.98; 15.22; 14.99 (17+00); SDR-3(13), 1950; STP-019-2(36), (R), 1998; F-FR-019-2(21), RESURFACE, 1983; 19H-01-70, RESURFACE, 1971; 18.09 (0+48.83) (48+27.47); SDR-3(14), 1950; 19.00 (0+00); SDR-3(3), 1948 (64+26) (82+26); (19H-01-87M, (R), 1987); 19.41 .43 .65; 19.41 19H-01-70, (R), 1971; 19.35 SDR-3(15), 1950 (49+00); 19.77; (19H-02-87M (R), 1987); (19GHJ-01-76M, (R), 1976)

SCALE: (In Miles) 2" = 1 mile — 10 11 12 13 14 15 16 17 18 19 20

Date Released	
Feb 2006, D.B.	
Revised	
6/06	D.B.

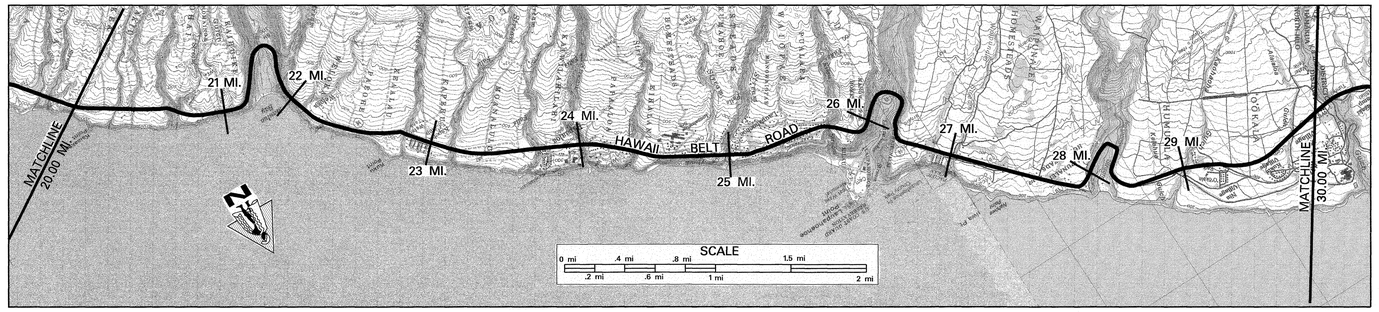
ROAD INVENTORY
HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Route Length: 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

20 21 22 23 24 25 26 27 28 29 30

19H (14.26 MILES) | END 19G – BEG 19H AT THE CENTERLINE OF OOKALA ACCESS ROAD 29.22 | 19G (12.57)

Structure Carrying Road

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

TEE BEAM, 1934, H-15 137' | CONC. FRAME 1953 HS-20 65' | STEEL MULTI STRINGER 1953, HS-20 280' | TEE BEAM 1933, H-15 131' 133' | TEE BEAM 1956, HS-20 246' 219' | CONC. BOX GIRDER, HS-20 331' (1956) 194' 234' (1957) | TEE BEAM, HS-20, 1953 225'
STEEL MULTI STRINGER, 1957, HS-20

Vertical Clearance

22' 32' 30' 22' 22' 28' 28' 28' 28' 28' 28'

Structure and Road

Horizontal Clearance

16'-4" 40'

Vertical Clearance

(BUSHES, TREES, CANEFIELD)

Horizontal Clearance

70' – 160' 20.22 | 100' – 220' | 21.15 50' 21.35 | 100' – 215' 23.48 | 100' 25.49 | 100' – 150' 27.70 | 95' – 165' 29.61 | 100' – 140' 29.65

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

BRUSH AND LARGE TREES 22.06 | 1000' CLEAR SUGAR CANE 20' FROM PAVEMENT 23.72 | RESIDENTIAL AREA 25.98 | LARGER TREES AND CUT SLOPES; BRUSH | 1000' CLEAR – SUGAR CANE 20' FROM PAVEMENT 29.61

Available Right of Way Width (Needs Study)

(WIRE ON WOOD, 20' FROM PAVEMENT (L) & (R))

Right of Way Fence: Type – Right and Left

NONE

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

STATE

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

19H-01-82M, 1982 | (19HJ-02—95M (BRIDGE REPAIRS) 1996)

STP-019-2(36) 20.34 | STP-019-2(33) 21.01 21.03 | STP-019-1(30) RESURFACE 21.81 | STP-019-2(33) 23.09 | 19H-01-99M RESURFACE 25.72 | STP-019-2(37) RESURFACE 27.73

Project No., Type of Construction, and Year Constructed

1998 RESURF | 1997 (R) | 1995 | 1997 (R) | 2000 | 1997

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #3

ROAD | AHOLE BR. | POHAKUPUKA BR. | PAVED RD. | MAULUA BR. | PAVED ROAD KAALAU ST. (R) | KAPEHU BR. | KEAALAU BR. | MAMALAHOA HWY. MOANALULU BR. | PAPA'ALOA AVE. KAIWILAHILAHI BR. | PAPA'ALOA PED. O.P. PAVED ROAD | KIHALANI BR. | RD. TO LAPAHOEHOE SCHOOL | KUWAIKAHI BR. | MANOWAIOPAE BR. | PAVED ROAD (R) TO LAPAHOEHOE (L) RD. | PAVED ROAD EXIT FROM SCENIC PT. ENTR. TO SCENIC PT. | KILAU BR. | PAVED ROAD | PAVED ROAD RD. TO LAPAHOEHOE PT. PAVED ROAD | PAVED ROAD | PAVED ROAD | PAVED ROAD | CANE HAUL RD. | OOKALA ACCESS RD. PAVED ROAD | TRACTOR CROSSING

MP 21 | MP 22 | MP 23 | MP 24 | MP 25 | MP 26 | MP 27 | MP 28 | MP 29 | MP 30

HAWAII BELT ROAD

20.18 MI. 20.34 MI. 20.66 MI. 20.74 MI. 20.84 MI. 21.51 MI. 21.74 MI. 22.75 MI. 22.78 MI. 22.82 MI. 23.09 MI. 23.66 MI. 23.75 MI. 23.78 MI. 24.04 MI. 23.96 MI. 24.20 MI. 24.26 MI. 24.30 MI. 24.49 MI. 24.75 MI. 24.77 MI. 24.94 MI. 25.10 MI. 25.20 MI. 25.26 MI. 25.36 MI. 25.63 MI. 25.75 MI. 26.74 MI. 26.80 MI. 26.88 MI. 26.96 MI. 27.21 MI. 27.55 MI. 27.74 MI. 27.75 MI. 28.61 MI. 28.75 MI. 28.86 MI. 29.14 MI. 29.21 MI. 29.38 MI. 29.75 MI.

CONTINUED ON SHEET #5

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type

6' AC | 2'-10' GRS/GRV 20.32 | (1'-5' GRV.) | 4'–8' AC | 7'-30' GRS. 22.26 | 2' AC 22.50 | 5'–7' AC 22.65 | 6'–8' GRASS | 4'–8' AC 25.10 | 25.23 | 25.37 | 2'–4' AC 26.09 | 4' AC 26.32 | 4'–7' AC 26.71 | 4' AC | 3' AC 27.86 | 4' AC | 4'–6' AC 28.65 | 4' AC | 5'–10' AC 29.63 | 4' AC

Pavement: Width and Type

(6'–12' AC) | 24' AC | (6' GRS.) | 36' AC 26.09 | 24' AC 26.32 | 36' AC 26.57 | 24' AC | 36' AC 27.78 | 24' AC 28.01 | 36' AC 29.90 | (24' AC)

Shoulder: Width and Type

6' AC | 8' GRASS | 3' AC 21.17 | 5' AC 21.53 | 4'–6' AC 22.08 | 5' AC 22.38 | 15'–20' GRS. 22.77 | 6'–10' GRASS | 4'–6' AC 25.23 | 25.49 | 4' AC 26.32 | 4' AC | 4' AC 27.81 | 6' AC 28.48 | 4' AC | 6' AC 29.24 | 4' AC 29.62 | 6' AC | (4' AC)

Median: Width and Type

(5'–13' AC) | (10'–24' GRS.) | (5' AC) | (4'–8' GRS.) | (2'–6' AC) | (6' GRS.) | (4'–6' AC) | (4' AC)

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

2–12' | (1–12') 26.09 | 2–12' 26.32 | 1–12' 26.57 | 2–12' | (2–12') 26.57 | 2–12' 27.78 | 1–12' 28.07 | 1–12'; 1–12' TRUCK CLIMB LANE 28.31 | 29.90 | (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)

8' CONC. S.W. 25.11 | (2'–6' CONC. GUTTER) 21.02 | (1'–6' CONC. GUTTER) 25.73 | (5' CONC. GUTTER) 27.09 | (CONC. CURB & GUTTER) 28.72

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

STONE CURB 22.19 22.22 | METAL ON METAL | METAL ON CONCRETE | METAL ON METAL | (STONE WALL)

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 20.93 | MOUNTAINOUS 22.20 | ROLLING 24.62 | MOUNTAINOUS 26.69 | ROLLING 27.76 | MOUNTAINOUS 28.65 | ROLLING

Speed: 1–Design, 2–Posted

55 mph (2) – MINIMUM 40 MPH | 45 MPH (2) | 55 MPH , MINIMUM 40 MPH 25.72 | 45 MPH 55 MPH, MINIMUM 40 MPH | 55 MPH , MINIMUM 40 MPH | (55 MPH (MINIMUM 40) (2)) 29.65

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

B71 0019 01916 | B71 0019 02366 | B71 0019 02683

HPMS Section

22.75 | 25.75

AADT (Year 2006)

7,300 | 23.85 | 7,300 | 26.69 | 7,300

DOD Sections

Census Tracts

Functional Classification

PRINCIPAL ARTERIAL

National Highway System (NHS)

NHS

Previous Projects: Project No., Date and Limits

(19H-02-87M, (R), 1987) 20.35 | (19GHJ-01-76M,(R),'76) .03 | 19H-01-86M, (R), 1986 21.71 | 21.74 | 19H-01-82M, 1982 23.11 | STP-019-2(37), RESURFACE, 1997 29.65 | (19G-01-72, (R), UNIT 1, 1972)

19GHJ-01-76M, (R), 1976 21.05 | 26.66 | 19H-01-89M, (R), 1990 27.72 | 27.75 19H-01-87M, (R), 1987 28.65 | 19GH-01-85M, (R), 1979 29.18

19H-01-82M, 1982 21.04 | 21.17 | 19H-01-70, 1971 22.47 | PMS-0100(11), U-2, 1978 28.61 | 19GH-02-71, U-2, 1979 29.51 | 29.62 | (90

(19H-01-70, 1971) 20.39 | 20.50 SDR-3(16), 1951 | 10 + 00 | (111 + 11.24) 23.59 | 19H-02-82M, (R), 1982 25.69 | 19H-01-91M, (R), 1991 26.66 | 26.68 19GHJ-01-76M, (R), 1978 27.71 | (TRUCK CLIMB LANE) | 19G-01-72, (R), 1972 | 19G-01-85, 1986, TRUCK CLIMB LANE

(SDR-3(15), 1950) 20.29 | 20.58 (SDR-3(3), 1948) | 22.63 SDR-3(22), 1948 23.14 SDR-3(5), 1955 | 24.30 | 24.38 F-019-3(3), 1956 25.11 | SDR-3(17), 1953 27.32 | SDR-3(18), 1955 29.19 | F-019-2(2), 1957

0 + 00 | 37 + 00 | 49 + 47 | 45 + 00 | 6 + 49.02 | (116 + 79.86) | (165 + 47.44) | 0 + 00 | 69 + 64.00

(SDR-019-2(11), 1955)

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.
Revised
6/06 D.B.

ROAD INVENTORY

HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

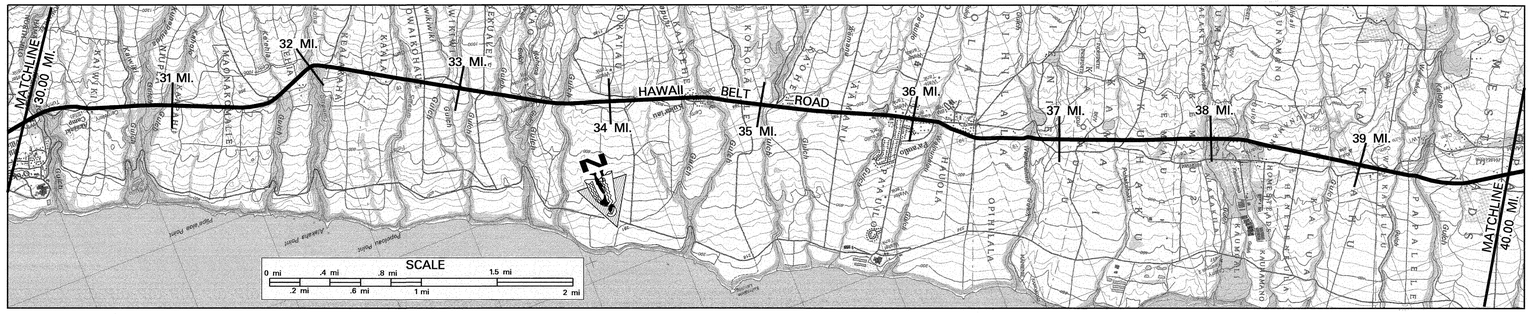
Total Route Length: 99.59 miles

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 — 19G (12.57 MILES)

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' — 225' — TEE BEAM 1935, H-15 — 483' — 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 1969, HS-20 — 190' — TEE BEAM 1959, HS-20 — 85' — CONC. BOX GIRDER 1959, HS-20 — 331'

Vertical Clearance

28' — 40' — 22' — 22' — 22' — 22' — 28' — 28' — 48' — 48' — 24' — 48' — 24' — 28' — 29' — 28'

Horizontal Clearance

21' 01" — 16' 02"

42' — 46'

Right of Way Width (min.–max.) if varies — 100' – 140' — 70' – 95' — 100' – 200' — 70' – 100' — 100' – 150' — 100' – 270'

Available Right of Way Width (Needs Study) — BUSHES, TREES, CANEFIELD — 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 — STATE

Jurisdiction, Transfer Phase No. and Date (C to S or S to C) — (BRF-019-2(14), 1981)

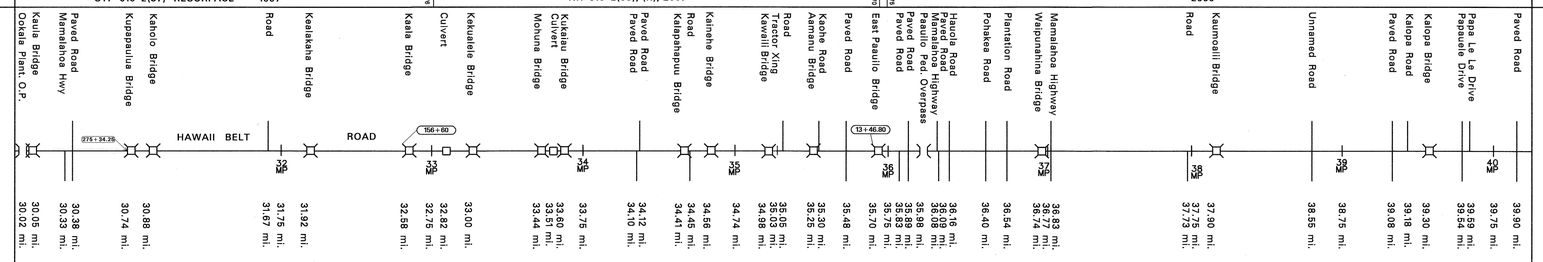
Project No., Type of Construction, and Year Constructed — BR-019-2(38), BRIDGE WIDENING, 2005 — 19G-01-99M RESURFACE

Project No., Type of Construction, and Year Constructed — STP-019-2(37) RESURFACE 1997 — NH-019-2(55), (R), 2007 — 2000

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided

Shoulder: Width and Type — 4' AC — 5' – 7' AC — 4' AC — 8' AC — 6'–8' AC — 4' AC — 6' AC — 4' AC — 4' AC, 10'–12' AC — 4' AC — 6' – 18' AC — 4' AC

Pavement: Width and Type — 24' AC — (6'–10' BP) — 10' AC

Shoulder: Width and Type — 4' AC — 4' AC — 8' AC — 6'–8' AC — 4' AC — 5' AC — 4' AC — 10'–30' AC — 4' AC — 8' – 14' AC — 4' AC

Median: Width and Type — 4' AC — (8'–10' GRASS)

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

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

Traffic Station — B71 0019 02683 — B71 0019 03530 — B71 0019 03640

HPMS Section — 34.74 — 35.98

AADT (Year 2006) — 7,300 — 7,300 — 7,300

DOD Sections

Census Tracts

Functional Classification — PRINCIPAL ARTERIAL

National Highway System (NHS) — N H S

Previous Projects: Project No., Date and Limits — STP-0100(31) GUARDRAIL IMPROVEMENTS 1994 — (19G-01-90M (R), 1990) — 19G-01-88M (R), 1988 — 19G-01-86M 1986 (R) — 19G-02-88M (R) 1988 — (19G-01-72, 1972) — (19GHH-01-85M, 1985 (R)) — 19GHJ-01-76M (R), 1976 — (19GHJ-01-78M, PMS-0100(11) 1978) — (19GHJ-01-78M, PMS-0100(11) 1978) (BRF-019-2(20), BR. REPLACEMENT) — (BRF-019-2(18), 1982) — (BRF-019-2(14) 1981) — (19GHJ-01-78M, PMS-0100(11) 1978) — 19GHJ-01-78M, PMS-0100(11) 1978 — (19G-01-74 1974) — F-019-2(2) 1957 — SDR 3(6) 1948 — SDR 3(11) 1950 — SDR 3 (6) 1948 — DF-019-2(5) 1958 — F-019-2(6) 1958

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
5/06	G.N.
1/08	D.B.

ROAD INVENTORY

HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
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IN COOPERATION WITH THE
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Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

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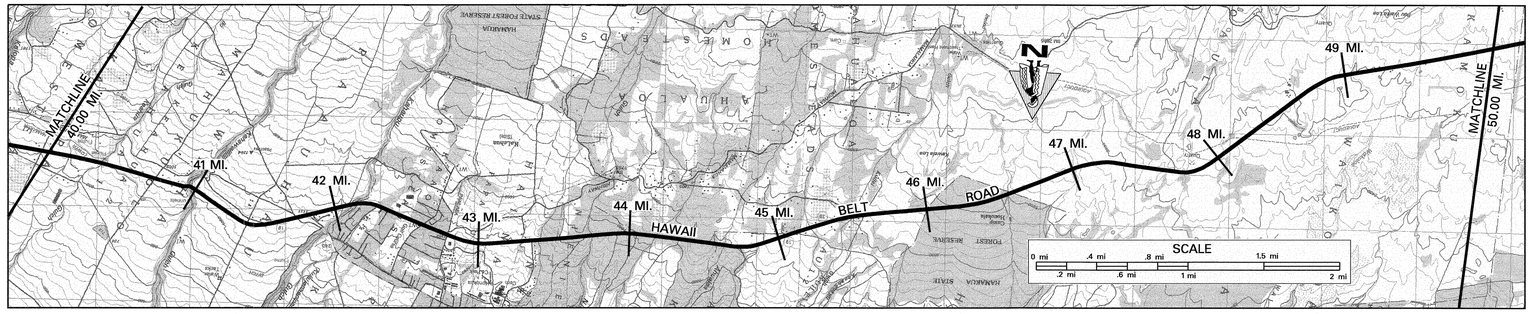


SCALE: (In Miles) 2" = 1 mile

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

Maintenance Control Sections : Length and Description

19G (12.57 MILES) | 41.9 END 19F & BEGIN 19G ON MAMALAHOA HIGHWAY AT THE CENTERLINE INTERSECTION WITH MAMANE ST. | 19F (10.05 MILES)

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'

Vertical Clearance

Horizontal Clearance

28' | 36' | 28'

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

VARIES 100' – 270' | 42.38 | VARIES 100' – 180' | 42.63 | 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) 49.85

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 STP–019–1(17) RESURF. 19F–01–97M RESURF. 1999

Project No., Type of Construction, and Year Constructed

(RESURF) 2000 | 40.73 | 1996 | 42.73 | STP–019–1(25) SHOULDER IMPROVEMENT 1998

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUE FROM SHEET #5

Tractor Crossing | 40.10 mi.
Culvert | 40.35 mi.
Paved Road | 40.67 mi.
Paved Road | 40.75 mi.
Kahawelilili Bridge | 40.82 mi.
Tractor Crossing | 40.89 mi.
Road | 40.90 mi.
Kalopa Road | 41.02 mi.
Begin Divided | 41.36 mi.
Rte 240 to Honokaa | 41.62 mi.
Mamane Street | 41.75 mi.
End Divided | 41.78 mi.
Tractor Crossing | 41.99 mi.
Kahaupu Bridge | 42.00 mi.
Opuhe Street | 42.01 mi.
Loke Street | 42.24 mi.
Pikake Street | 42.32 mi.
Paelaina Street (R) | 42.58 mi.
Mauna Loa Street (L) | 42.74 mi.
Tractor Crossing | 42.75 mi.
Begin Divided | 42.90 mi.
Plumeria Road | 43.20 mi.
Tractor Crossing | 43.31 mi.
Tractor Crossing | 43.50 mi.
Tractor Crossing | 43.66 mi.
Nienie Bridge | 43.70 mi.
Tractor Crossing | 43.77 mi.
End Divided | 43.80 mi.
Tractor Crossing | 43.90 mi.
Paved Road | 44.68 mi.
Paved Road | 45.07 mi.
Kapuna Road | 45.55 mi.
Alpha Council Scout Camp | 45.75 mi.
Paved Road | 46.68 mi.
Paved Road | 46.75 mi.
Paved Road | 47.74 mi.
Paved Road | 48.73 mi.
Paved Road | 49.74 mi.

HAWAII BELT ROAD

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

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

Pavement: Width and Type

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

Shoulder: Width and Type

4' AC | 40.24 | 10'–16' AC | 40.73 | 6' – 8' AC | 41.37 | 4'–6' AC | 0 | 4'–6' AC | 42.73 | 6' AC | 0 | 6' AC

Median: Width and Type

41.82 | 0 – 16' PAINTED AC | 41.99 | 43.16 | 12' PAINTED AC | 49.87

Median Barriers:

Divided Highway – Undivided

Shoulder: Width and Type

0 | 0

Pavement: Width and Type

14' AC | 12' AC

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)

41.72 | 1–13' ACEL | 41.78 | 41.99 | 1–13' (L) T.L. | 43.32 | 43.16 | 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

Illumination: Type, Location and Number

40.32 40.34 40.35 40.40 40.42 41.27 41.40 41.53 42.02 42.35 42.66 42.85 42.95 43.12 43.23 43.42 43.47 43.52 43.58 43.87 44.03 43.98 44.07 44.25 44.49 44.74 44.78 45.09 45.11 45.20 45.30 45.35 45.39 45.47 45.63 45.81 46.13 46.27 46.35 46.49 46.51 46.57 46.73 46.83 46.87 47.24 47.26 47.69 47.72 48.11 48.16 48.24 48.34 49.07 49.20 49.35 49.62 49.72 49.85 49.91 M/M

METAL ON METAL | METAL RAILS ON CONCRETE POST

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 (2) | 41.66 | 45 MPH (2) | 42.54 | 42.93 | 47.31 | 45 MPH (MIN. 40 MPH) (2)

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

Intersection Control Devices: Type, Location and Cycle Timing

41.59 | 47.34

Traffic Station

B71 0019 03640 | B71 0019 04136 | B71 0019 04274 | B71 0019 04774 | B71 0019 04873

HPMS Section

40.75 | 42.63 | 46.75 | 48.40

AADT (Year 2006)

7,300 | 41.36 | 7,700 | 42.74 | 8,900 | 47.74 | 9,000 | 48.73 | 9,000

DOD Sections

Census Tracts

Functional Classification

PRINCIPLE ARTERIAL

National Highway System (NHS)

N H S

Previous Projects: Project No., Date and Limits

40.73 | STP–019–1(17) RESURF. 1996 | 42.24

STP–0100(31), GUARDRAIL IMPROVEMENT 1994 | 42.73 | 19EF–01–89M (RESURF) 1990

19G–02–88M RESURF. 40.73 | 40.75 | 41.41 | 19FG–01–81M RESURF. 1982 | 42.75 | 19F–01–78M 1978 (R) | 42.9 | F–019–1(5) 1980 Inter. Impr. | 43.25

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 | 41.62

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
HIGHWAYS PLANNING BRANCH

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

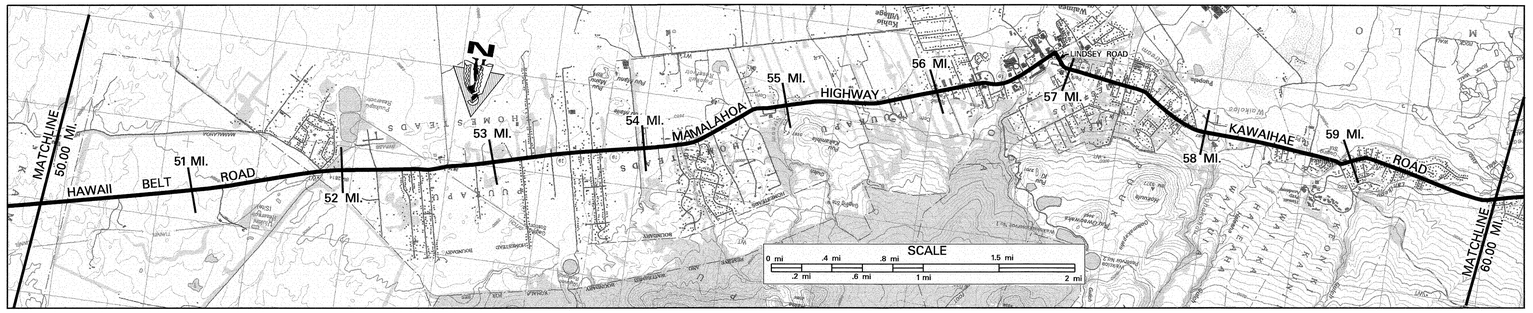
Total Route Length: 99.59 miles

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

50 | 19 F (10.05 MI.) | 51 | END 19E, BEGIN 19F AT THE CENTERLINE OF MUD LANE | 19E (0.22) | 52 | BEGIN 19E AT THE END STATE HWY SIGN | 53 | 54 | 55 | COUNTY | 56 | 57 | END 19D AT THE END OF STATE HWY SIGN | 58 | 19D (8.92 MILES) | 59 | 60

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
SLAB 1968 HS-20 36' | SLAB 1932 H-15 38'

Vertical Clearance

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'

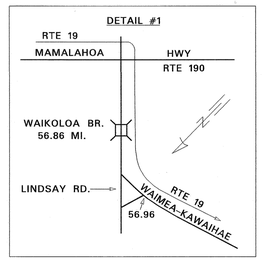
Right of Way Fence: Type – Right and Left
WIRE ON WOOD 20' FROM EDGE OF PAVEMENT LEFT AND RIGHT

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 2000 (SEE ALSO RTE 190) | STP-0190(42) COUNTY RESURF IMPR 2000 | RS-0250(05) COUNTY (RESURF) 1986 | 19D–01–91M (RESURF) 1992 | NH–019–1(34), (R), IMPV., 2007

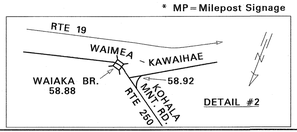
Project No., Type of Construction, and Year Constructed
STP-019-1(25) 1998 SHLDR IMPR | 19EF–01–89M (RESURF) 1990 | WDR 2(1) 1947 | 19D–01–96M RESURF 1998



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP=Milepost Signage



CONTINUE FROM SHEET #6

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

Mauna Kea Meadows Ranch Road | Culvert Begin Divided | End Divided Culvert Golf Course Road to Waimea C.C. | Culvert | Mud Lane (R) Mamalahoa Hwy (L) | End State Hwy Sign | Road to U.H. Exp. Station | Nuuanu Street | Honokoa Street | Honokoa Place | Puumaru Place | Ka Kahau Street (R) Kipu Uu'u Street (L) | Keauoku Street | Keauoku Place | Kaiaka Street | Nani Waimea Street | White Road | Kipahoi Street | Pukuihi Place (L) Hoohoa Street (R) | Culvert | Honoka Drive | Puunani Street | Iokua Place | Begin Divided | End Divided Begin Divided | Mokuloa Drive | Kekamilia Road | Road | Akaikuiluwa Road | Iona Court | Waiakeheua Place | Kamamalu Street Paved Road | Kaiaka Street Kaiaka Court | Lucy Henriques Med. Center | Pukalani Road | Waikoloa Bridge Mamalahoa Hwy | Lindsey Road Waikoloa Road | Paved Road | Opelo Road Ho'okipa Road | Pua Opelu Road | Kapena Road | Leilee Road | Begin State Hwy sign | Road Ke Una Street | Private Road | Paved Road Road to State Baseyard | Akolani Street | Waiaka Road Waiaka Bridge Waiaka Bridge | Waiaka Road Mohala Mauka Rd. | 480 + 20

CONTINUE ON SHEET #8

SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided

Shoulder: Width and Type
6' AC | 12' – 24' GRASS | 0 | 10'AC 6' AC | 12' – 22' GRASS | 4' AC | 5' AC | 4' AC | 10' AC

Pavement: Width and Type
24' AC | 12' AC | 24' AC | 20' AC | 20' AC | 11' AC | 20' AC | 24' AC | 22' AC | 20' AC

Shoulder: Width and Type
6' AC | 0 | 6' AC | 7' – 15' GRASS | 4' – 10' GRASS | 12'–24' GRASS | 0 | 10'AC 6' AC | 4' AC | 12' – 22' GRASS | 4' AC | 5' AC | 4' AC | 10' AC

Median: Width and Type
0' – 12' PAINTED AC | 8'–10" RAISED CONC | 12' PAINTED AC

Median Barriers:

Shoulder: Width and Type
0

Pavement: Width and Type
12' AC

Shoulder: Width and Type
6' AC

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

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)
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

Traffic Station
B71 0019 04873 | B71 0019 05182 | B71 0019 05567 | B71 0019 05652 | B71 0019 05681 | B71 0019 05788 | B71 0019 05892

HPMS Section
50.71 | 55.25 | 55.76 | 56.75 | 57.77 | 58.52 | 59.78

AADT (Year 2006)
9,000 | 15,000 | 16,600 | 20,100 | 17,900 | 15,000 | 9,300

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
19F–02–78 SHLDR STABILIZATION
19F–01–78M RESURF 1978
F–019–1(1), UNIT 2 1961 | 390+00
WDR 2(1) 1947
HES-0100(28) PHASE 2 SAFETY IMPRV 1987 | (19D-01-90M (R) 1991)
19D–01–91M (R) 1992 | 19D–01–82M 1982
RS-0250(05) COUNTY RESURFACE 1986 | 19D–01–72 (R) 1972
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

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
G.N.	4 / 06
D.B.	1/08

ROAD INVENTORY

HAWAII RTE 19

QUEEN KAAHUMANU HWY, KAWAIHAE RD.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

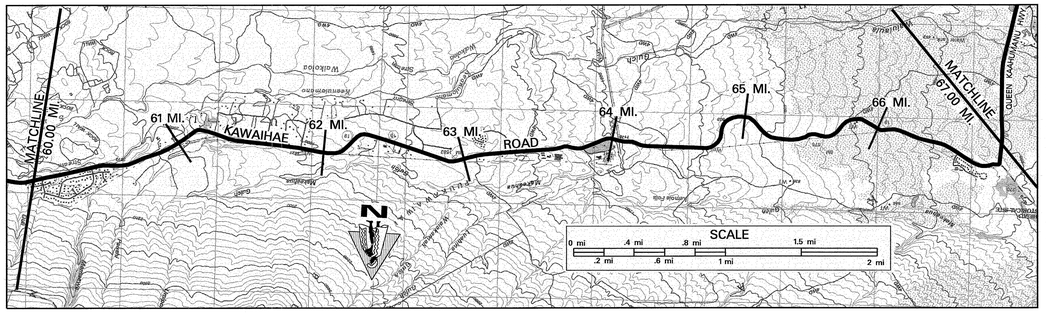
Total Route Length: 99.59 miles

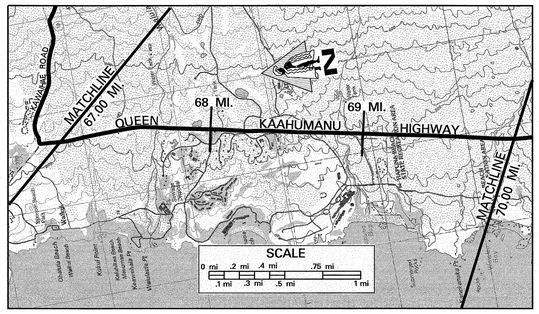
a. Survey Length: 99.59 miles

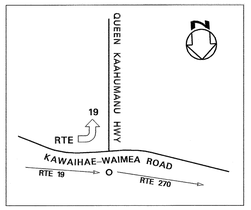
b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*







DETAIL

Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

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)

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 (1505+00) | STATE
- Project No., Type of Construction, and Year Constructed: NH–019–1(34), RESURFACE, IMPV., 2007 | NH–019–1(33), RESURF., 2005
- Project No., Type of Construction, and Year Constructed: 19D–01–96M RESURFACE 1998 | 19CD–01–97M RESURFACE 1999 | 19D–01–90M RESURF 1991 | 19C–01–78 1978 SHLDR. STAB. | NH–019–1(28), GUARDRAIL & SHOULDER IMPRV., 2006 | 19C–01–78 1978 SHLDR. STAB. | NH–019–1(31) GUARDRAIL & SHLDR IMPR 2004

CONTINUE FROM SHEET #7

Ohina Street; Mahua Street; Paved Driveway; Electric Power Sub-Station; Quil Street; Kanehoa Street; Kahinu Place; Anakona Street; Waiula Drive; Waiemi Street; Tractor Crossing; 195+00; Entrance to Water Supply Tank; Hulukupuna Street; SEE DETAIL Kawaihae Road and End Divided; Begin Divided; Culvert; Culvert; Begin Divided; Mauna Kea Beach Drive; Kohala Mauka Access Road; End Divided; Kohala 'Ok Drive, Hotel and Golf Xing; Kea Kea Lani Bridge; Begin Divided; Hapuna Bay Drive; End Divided; 1507+75

KAWAIHAE ROAD QUEEN KAAHUMANU HIGHWAY

MP 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70

60.02 mi. | 60.36 mi. | 60.58 mi. | 60.75 mi. | 60.91 mi. | 61.58 mi. | 61.81 mi. | 61.77 mi. | 62.36 mi. | 62.67 mi. | 62.77 mi. | 63.24 mi. | 63.75 mi. | 63.83 mi. | 64.30 mi. | 64.77 mi. | 65.77 mi. | 66.50 mi. | 66.71 mi. | 66.78 mi. | 66.79 mi. | 67.10 mi. | 67.21 mi. | 67.81 mi. | 67.86 mi. | 67.95 mi. | 68.16 mi. | 68.31 mi. | 68.57 mi. | 68.74 mi. | 68.93 mi. | 69.20 mi. | 69.77 mi.

CONTINUE ON SHEET #9

SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided	Shoulder: Width and Type	4' AC | 10' AC | 4' AC | 10' AC | 4' AC | 10' AC | 4' AC | 10' AC | 4' AC | 10' AC | 4' AC | 4'–10' AC | 12' AC | 4' AC | 12' AC | 4' AC | 12' AC | 4' AC | 12' AC | 6' AC | 12' AC | 6' AC/4' SEAL COAT | 12' AC | (6' AC/4' SEAL COAT)
	Pavement: Width and Type	20' AC | 22' AC | 24' AC | 22' AC | 24' AC | 22' AC | 24' AC | 12' AC | 6' AC | 24' AC | 6' AC/4' SEAL COAT | (6' AC/4' SEAL COAT)
	Shoulder: Width and Type	4' AC | 10' AC | 4' AC | 10' AC | 4' AC | 10' AC | 4' AC | 10'–12' AC | 4' AC | 10' AC | 4' AC | 4'–10' AC | 12' AC | 12' AC | 0 | 6' AC/4' SEAL COAT | 12' AC | (6' AC/4' SEAL COAT)
Divided	Median: Width and Type	0 1ft PAINTED MEDIAN | 0 1ft PAINTED MEDIAN
	Median Barriers:	10' PAINT
	Shoulder: Width and Type	0 | 0
	Pavement: Width and Type	12' AC | 12' AC
	Shoulder: Width and Type	12' AC | 10' GRV | 12' AC | (10' GRV) | 12' AC | 6' AC/4' SEAL COAT

- Number of Traffic Lanes: 2 – 10' | 2 – 11' | 2 – 12' | 2 – 11' | 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): 61.28 BITUMINOUS CURB
- Protective Devices: Type, Location and Number: ALL METAL ON METAL UNLESS INDICATED (ALL GUARDRAILS M/M)
- Illumination: Type, Location and Number: M/M | M/M
- 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
- Traffic Station: (B71 0019 05852) | B71 0019 06002 | B71 0019 06036 | B71 0019 06679
- HPMS Section: 60.15 | 63.44
- AADT (Year 2006): (9,300) | 8,900 | 8,900 | 11,800

Date Released
Feb 2006, D.B.

Revised	
G.N.	4 / 06
D.B.	1/07
D.B.	2/08

- 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) 60.30 | 60.66 | 61.04 | 61.27 | 19D–01–90M (R) 1991 61.87 | 62.37 | 19D–01–90M (R) 1991 63.45 | 63.45 (19D–01–90M RESURF 1991) 64.30 | 64.65 | 65.05 | 65.84 | 66.77 | 68.72 19C–01–94M 1994 SHLDR IMPROV | 69.10 (1459+00) | 69.27 NH–019–1(28), GUARDRAIL & SHOULDER IMPRV., 2006 | NH–019–1(31) GUARDRAIL & SHLDR IMPR 2004

(19C–01–90M (R) 1991) 60.39 | 60.75 | 61.08 | 61.39 | 61.91 | 62.35 (HES–0100(27), PH 1, 1986 SAFETY IMP.) | 64.56 | 65.05 (HES–0100(27), PH 1, 1986 SAFETY IMP.) | 66.83 | 19C–01–76M RESURF 1977 | 68.75 | 19BC–01–71, 1974 GRADING, 1975 PAVING

(19D–01–82M, 1982) 60.26 (HES–0100(28), PH 2 SAFETY, 1987) (HES–0100(27), PH 1, 1986 SAFETY IMP.) | 19D–01–72 RESURFACE 1972 | (19D–01–72 (R) 1972) 63.11 | 63.11 NRH–11C 1933 (285+00) | FAP 11–8 1933 | 65.77 (90+15) 66.82 (5+57.45) | 68.53 G–3257–01–60 1962

SCALE: (In Miles) 2" = 1 mile

ROAD INVENTORY

HAWAII RTE 19
QUEEN KAAHUMANU HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

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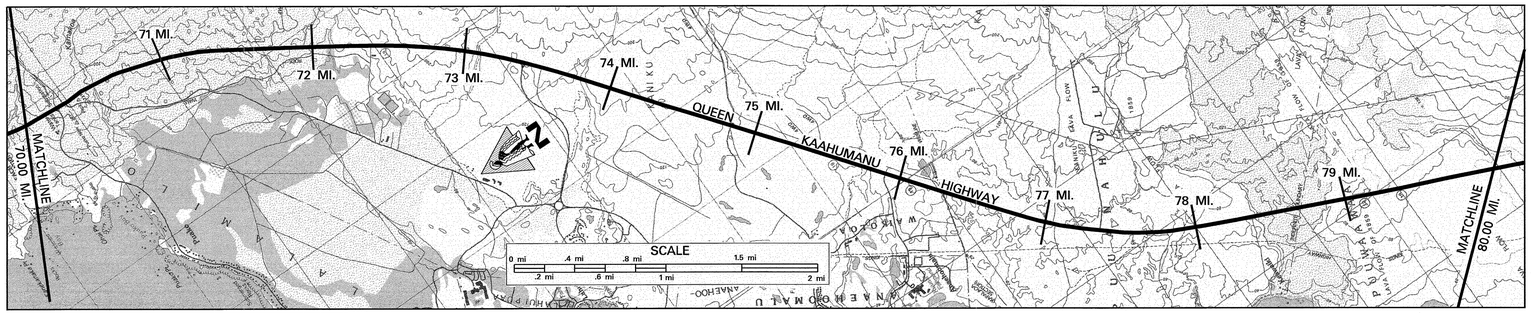


SCALE: (In Miles) 2" = 1 mile

70 71 72 73 74 75 76 77 78 79 80

Maintenance Control Sections : Length and Description — 19C (15.04 MILES)

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

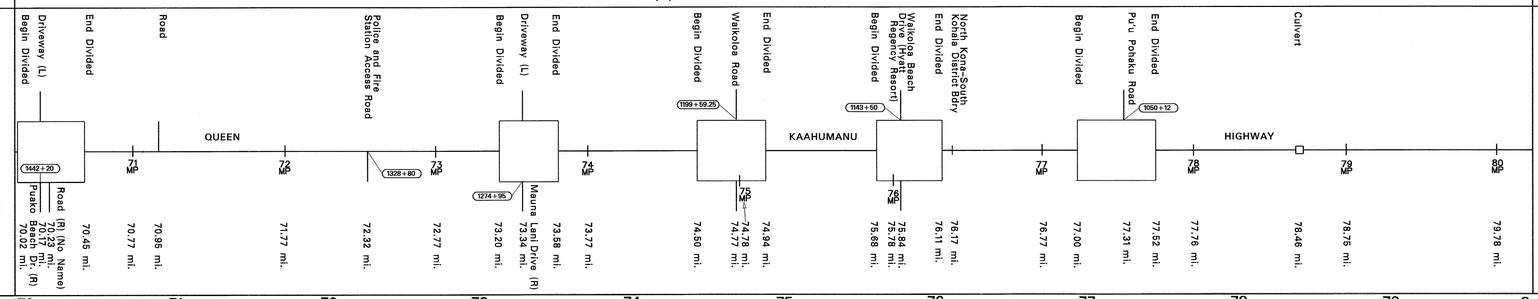
Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies	340' – 420' (76.16) 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) (76.68)
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(33), RESURFACING, 2005
Project No., Type of Construction, and Year Constructed	NH–019–1(31) 2004 GUARDRAIL AND SHOULDER IMPROVEMENT

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 2" = 1 mile

70 71 72 73 74 75 76 77 78 79 80

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	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)	NONE
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	55 MPH (2) 45 MPH (1) 55 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	3 PHASE 3 PHASE 3 PHASE
Traffic Station	B71 0019 06679 B71 0019 07334 B71 0019 07477 B71 0019 07584
HPMS Section	71.77 73.77 75.55 78.78
AADT (Year 2006)	11,800 11,800 14,400 14,400
DOD Sections	
Census Tracts	
Functional Classification	PRINCIPAL ARTERIAL
National Highway System (NHS)	N H S
Previous Projects: Project No., Date and Limits	19C–01–94M 1994 SHOULDER IMPROVEMENT; 19C–01–91M 1992 SHOULDER IMPROVEMENT; STP–019–1(23) 1997 SHOULDER IMPROVEMENT; 19BC–01–71 PHASE IIIA 1975 PAVING; 19BC–01–71 (PHASE III B) (GRADING 1974 AND PAVING 1975); G–3257–01–60 1962; 19 BC–01–71 (PHASE IIIA) (GRADING) 1974

Date Released
Feb 2006, D.B.

Revised	
G.N.	MAY 2006
D.B.	1/07
D.B.	3/08

ROAD INVENTORY
HAWAII RTE 19
QUEEN KAAHUMANU HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS 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
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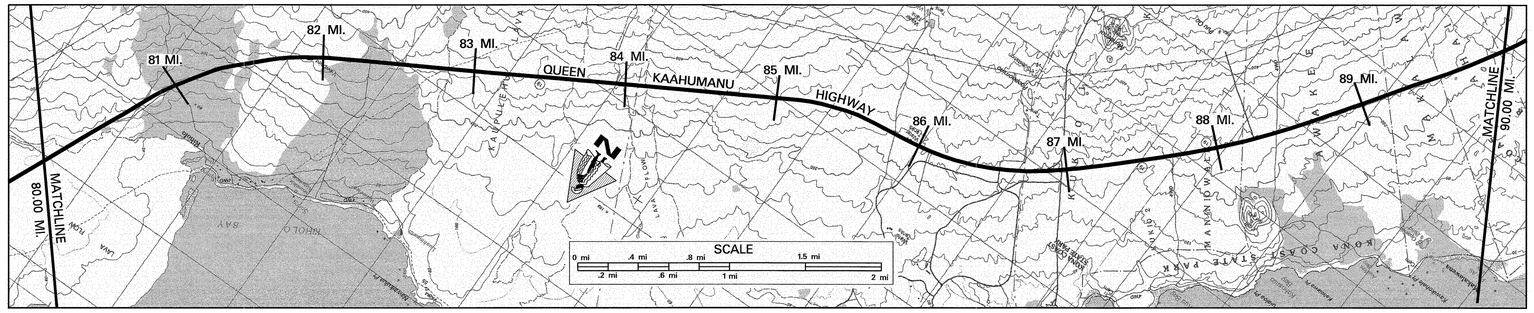


SCALE: (In Miles) 2" = 1 mile

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

Maintenance Control Sections : Length and Description

19C (15.04 MILES) | END 19B – BEG 19C AT KIHOLO LOOKOUT | 19B (15.49 MILES)

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

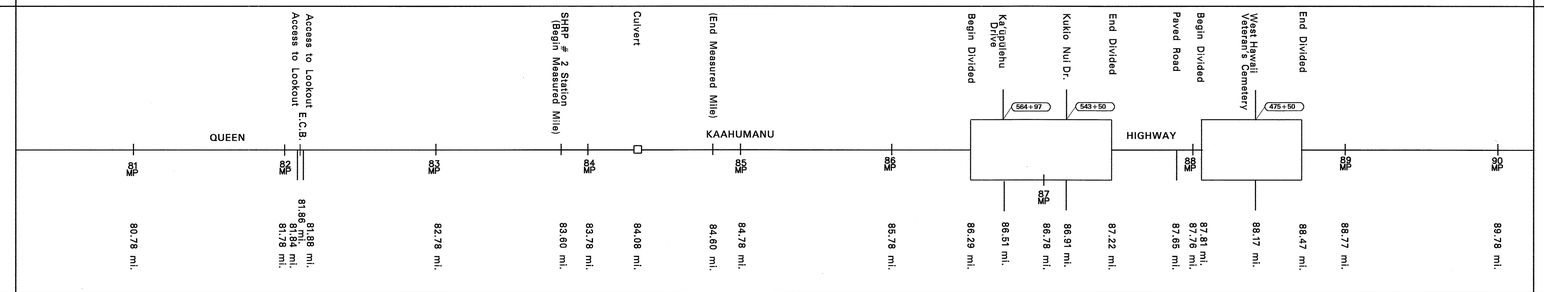
Structure Over Road
- Vertical Clearance
- Horizontal Clearance

- **Right of Way Width (min.–max.) if varies:** 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:** 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(33), RESURFACE, 2005
- **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 #9



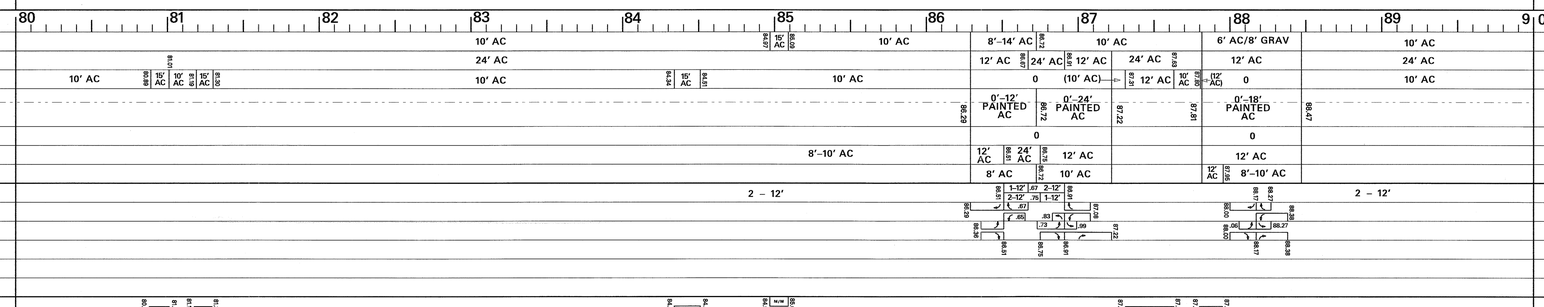
CONTINUE ON SHEET #11

SCALE: (In Miles) 2" = 1 mile

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

Divided Highway – Undivided
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type
- Median: Width and Type

Divided Highway
- Median Barriers:
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type



- **Number of Traffic Lanes:** 2 – 12'
- **Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)** All Turning Lanes = 12'
- **(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** M/M = METAL RAILS ON METAL 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:** RURAL
- **Terrain: 1–Flat, 2–Rolling, 3–Mountainous:** ROLLING (2)
- **Speed: 1–Design, 2–Posted:** 55 MPH (2)
- **Intersection Control Devices: Type, Location and Cycle Timing**
- **Traffic Station:** B71 0019 07584 | B71 0019 08578 | B71 0019 08691
- **HPMS Section**
- **AADT** (Year 2006): 14,400 | 14,400 | 14,400
- **DOD Sections**
- **Census Tracts**
- **Functional Classification:** PRINCIPAL ARTERIAL
- **National Highway System (NHS):** NHS
- **Previous Projects: Project No., Date and Limits:** STP–019–1(23) SHOULDER IMPROVEMENT 1997
- 19 BC – 01 – 71 (PHASE III B GRADING) 1974

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
D.B.	1/07
D.B.	3/08

ROAD INVENTORY

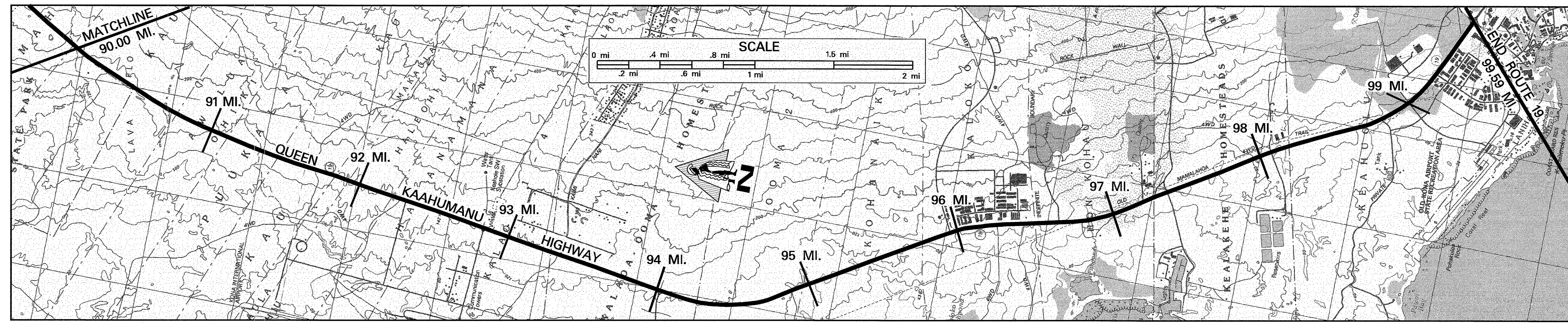
HAWAII RTE 19
QUEEN KAAHUMANU HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 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

Item	Data
Maintenance Control Sections : Length and Description	BEGIN 19B AT THE CENTERLINE OF KEALAKEHE PARKWAY ROAD; 97.35 END 19A; 19 A (2.30 MILES); BEGIN 19A SAME AS END ROUTE 19
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	310' – 390'; 93.28; 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	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)	(378+00) S T A T E; 97.35 11A-01-02 INTER IMP 2005; COUNTY TO STATE, PHASE 3
Project No., Type of Construction, and Year Constructed	90.08 (NH–019(33), RESUR., 2005); (BD-69-352, PAVING 1969); (88+00) 97.99 98.13 (80+66)
Project No., Type of Construction, and Year Constructed	NH–019–1(31) GUARDRAIL AND SHOULDER IMPROVEMENT 2004; 96.44; 96.56 FLH–019–1(26) INTER 2000 96.94; 97.20; 19A–01–97M RESURFACE 2000; 99.56

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP=Milepost Signage

CONTINUE FROM SHEET #10

QUEEN KAAHUMANU HWY

Milepost	Feature
90.06 mi.	Begin Divided
90.20 mi.	Kona Coast State Park Road
90.38 mi.	End Divided
90.78 mi.	91 MP
91.78 mi.	92 MP
92.57 mi.	Begin Divided
92.78 mi.	Power Sub Station Rd (L) (93 MP)
92.80 mi.	Keahole Airport Rd (R)
93.31 mi.	Kaiminani Road (to Kalaoa)
93.46 mi.	End Divided
93.74 mi.	Telemetry Station and Begin Divided (94 MP)
93.78 mi.	OTEC Acc. Rd (R) Road (L)
93.98 mi.	
94.26 mi.	End Divided
94.77 mi.	95 MP
94.82 mi.	Begin Divided
94.84 mi.	Road
95.11 mi.	Hulikoa Street
95.33 mi.	End Divided
95.58 mi.	Begin Divided
95.78 mi.	96 MP
95.94 mi.	Hina Lani Street (Kaloka Ind. Park)
96.17 mi.	(38+80) Road
96.29 mi.	End Divided
96.47 mi.	Begin Divided
96.72 mi.	Paved Road (97 MP)
96.75 mi.	Kaloko–Honokohau Road
97.16 mi.	Paved Road
97.32 mi.	Kealakehe Parkway (Route 197)
97.50 mi.	End Divided
97.80 mi.	98 MP
97.91 mi.	Begin Divided
98.06 mi.	Paved Road (R) Waste Transfer Rd (L)
98.19 mi.	End Divided
98.61 mi.	Begin Divided
98.78 mi.	99 MP
98.93 mi.	Makala Boulevard
99.18 mi.	Kaiwi Street
99.31 mi.	End Divided
99.38 mi.	Begin Divided

END ROUTE 19 ON QUEEN KAAHUMANU HIGHWAY AT THE NORTHWEST EDGE OF PAVEMENT OF PALANI ROAD (ROUTE 190) 99.59 MILES

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

SCALE: (In Miles) 2" = 1 mile — 90 91 92 93 94 95 96 97 98 99 100

Item	Data
Undivided — Shoulder: Width and Type	10' AC; 92.80 12' AC 92.96 6' AC 93.26 12' AC 93.37; 6' AC; 95.94 12' AC 96.04 6' AC; 10'–12' AC 96.83 6' AC 97.20 11' AC 98.02 6' AC 98.59 10' AC 98.93 6'–12' AC 99.17 6'–8' AC 99.35 10' AC
Undivided — 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
Undivided — Shoulder: Width and Type	(10' AC) 0; 10' AC; 0; 6' AC; 0; 6' AC; 0; (6' AC) 96.37 96.44 (6' AC); 0; 10' AC; 0; 6' AC; 0; 10' AC; 0
Median: Width and Type / Median Barriers	90.06 0'–10' PAINTED AC 90.38; 92.57 0 – 14' PAINTED AC 93.46; 93.74 0 – 12' PAINTED AC 94.26; 95.58 0 – 12' PAINTED AC 96.29; (12' AC) 96.47; 0 – 10' PAINTED AC 96.99 0 – 12' PAINTED AC 97.50; 97.91 0 – 12' PAINTED AC 98.19; 98.61 0 – 14' PAINTED AC 99.31; 99.38 0 – 12' PAINTED AC
Divided — Shoulder: Width and Type	0; 0; 0; 0; 0; 0; 0; 0
Divided — Pavement: Width and Type	14' AC; 12' AC 93.33 11' AC; 12' AC; 12' AC; 12' AC; 12' AC; 12' AC; 12' AC
Divided — Shoulder: Width and Type	12' AC; 10' SEAL COAT 92.77 6' AC; 6' AC; 6' AC 95.86 12' AC 96.09 6' AC; 8'–10' AC 96.83 6' AC 97.20 10' AC; 10' AC 6' AC; 10' AC; 99.42 0'–8' AC (10' AC)
Number of Traffic Lanes	2 – 12'; 1–12' / 1–12' 1–11' 93.46; 2 – 12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	90.20 90.25 12' AC; 92.95 93.04 12'; 12' 12' 93.46; 93.98 94.05 12' 94.20; 95.68 12' 12' 96.04; 96.47 14' 14' 96.88; 97.04 12' 12' 97.45; 98.13; 98.93 14' 14' 99.12; 99.43 12'
(Right Side)	92.69 12' 12' 92.82 93.11 93.14; 12' 93.33; 93.88 12' 12' 94.26; 95.81 12' 95.94; 96.60 12' 12' 96.67 96.72 96.75; 12' 97.18 12' 12' 97.32 97.54; 97.99 98.02; 98.74 14' 14' 98.82; 99.54 12' 12' 99.52
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)	95.94 96.04
Protective Devices: Type, Location and Number (M/M = METAL RAILS ON METAL POST)	90.22 M/M 90.39; 92.80 M/M 92.96; 93.26 M/M 93.37; 95.86 M/M 96.09; M/M 96.37; M/M 96.44 96.46 96.53
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; 97.35 U R B A N
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	R O L L I N G (2)
Speed: 1–Design, 2–Posted	55 MPH (2) 92.49; 45 MPH (1) 98.66; 35 MPH
Intersection Control Devices: Type, Location and Cycle Timing	92.80 3 PHASE; 93.31 3 PHASE; 95.94 3 PHASE; 97.32 3 PHASE; 98.06 3 PHASE
Traffic Station	B71 0019 08691; B71 0019 09280; B71 0019 09732
HPMS Section	91.50; 94.77; 97.80
AADT (Year 2006)	14,400 92.80; 24,200 97.32; 29,600 99.59
DOD Sections	
Census Tracts	
Functional Classification	PRINCIPLE ARTERIAL
National Highway System (NHS)	N H S
Previous Projects: Project No., Date and Limits	93.31 (STP-019-1(22) 1998); 95.91 19A-01-98 INTER IMPR 2000 96.19; (19B-01-97 1998 @ 97.32 MI.)
	STP–019–1(23) SHOULDER IMPROVEMENT 1997 92.33; STP–019–1(18) RESURFACE 1997; 96.88 BD-69-352 PAVING 1969; 97.36 19A–01–80M RESURFACE 1980
	19BC–01–71 (PHASE III B GRADING 1974 & PAVING 1975; (235+50) 92.81 93.14 (218+72.16); BD–66–7–352 UNIT 3 GRADING & BD–69–352 PAVING 1969; (0+00.11) 97.27 97.32 (126+05.57); B–3267–02–63 1964

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
D.B.	1/07
D.B.	3/08

ROAD INVENTORY

HAWAII RTE. 130
KEA'AU–PAHOA RD.

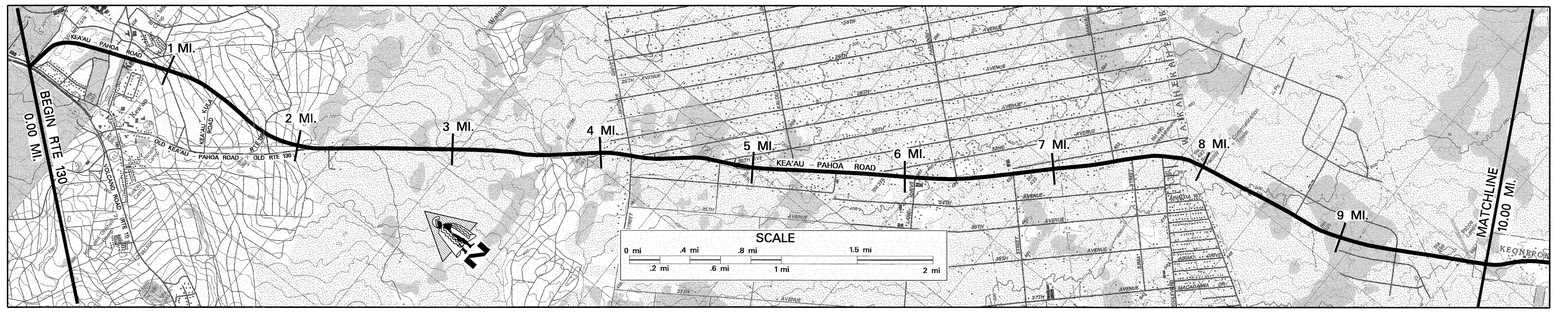
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length:	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

Maintenance Control Sections : Length and Description

130 B (12.12 mi.)

Structure Carrying Road

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

3 – 72" Pipe Culvert 27' (0.35) | 4 – 70" Pipe Culvert 28' (0.88) | 4 – 44" Arch Culvert 30' (1.09) | Triple Box Culvert 38' (1.86) | Conc. Rigid. Frame HS – 20, 1988 80' (5.38)

Vertical Clearance

Horizontal Clearance

Structure over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 150' – 220' (0.00–2.33) | 80' – 130' (2.33–5.38) | 50' (5.38–9.87) | 80' (9.87–10.00)

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: None

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

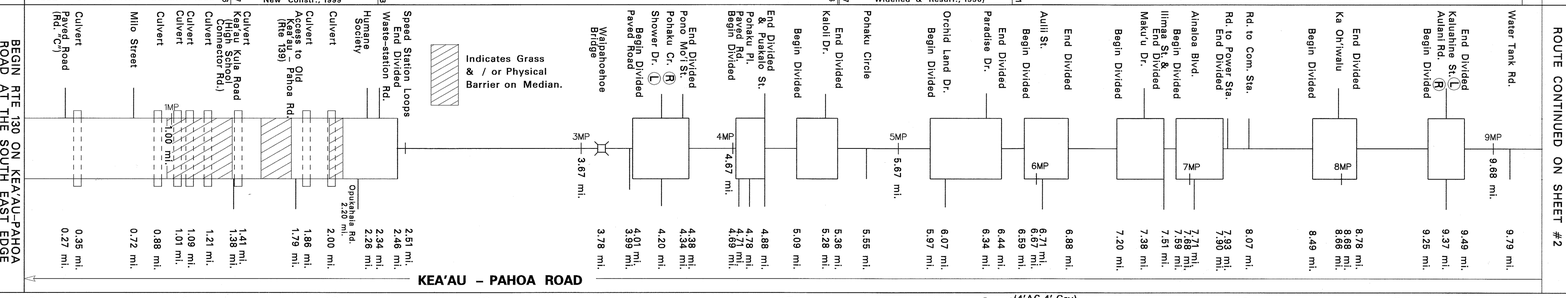
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)

Project No., Type of Construction, and Year Constructed: 130B – 01 – 98, New Constr., 1999 (0.00–1.37) | 130B – 01 – 92, New Constr., 1999 (1.36–2.33) | STP–0130(25), Resurf, 1996 (2.33–5.38) | (S–0130(7) 1967) (5.38–5.51) | (RS–0130(16), Widened & Resurf., 1990) (5.49–6.51) | RS–0130(24), Widen & Resurf., 2003 (6.51–9.87) | 130B–01–72, Resurf.,1972 (9.87–10.00) | (STP–0130 (25), Resurf, 1996)

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

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) 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

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

Speed: 1–Design, 2–Posted: 35 MPH (1) | 45 MPH (1) | 45 MPH When Shoulder Lane is open | 55 MPH (2) Minimum 40 MPH

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: B71 0130 00000 | B71 0130 00220 | B71 0130 00399 | B71 0130 00771

HPMS Section

AADT (Year 2006): 18,100 | 19,500 | 11,600

Rush Hour Shoulder Lane: North bound Shoulder Ln., 6:00 8:00 am, exc. Sat, Sun, & Hol.

DOD Sections

Census Tracts

Functional Classification: Minor Arterial (1)

National Highway System (NHS): None

Previous Projects: Project No., Date and Limits: S–0130(7) 1967 | 130B–01–72 (R) 1972 | S–231(1) 1952 | (S–231(1) 1953) | (S–0130(9) 1967) | (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.
7/06	D.B.
2/08	D.B.

ROAD INVENTORY

HAWAII RTE 130

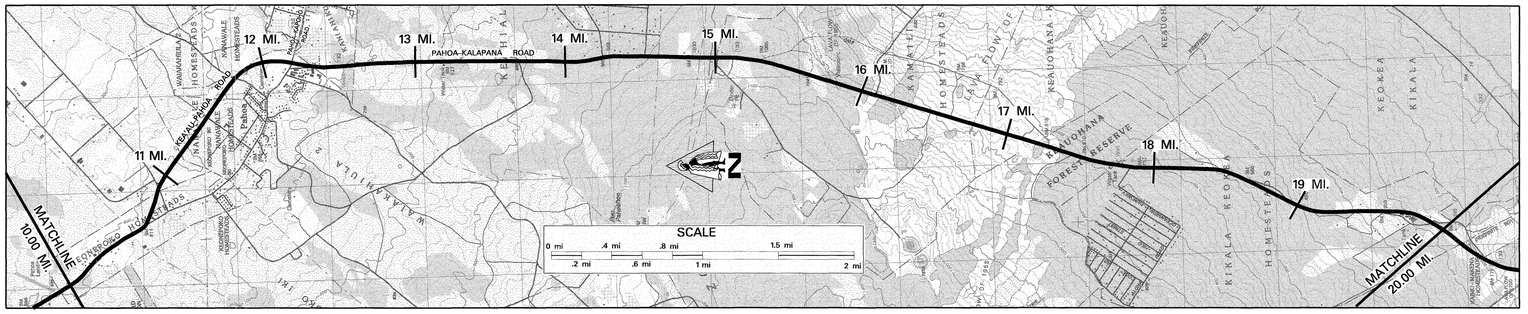
KEA'AU–PAHOA RD., PAHOA–KALAPANA RD.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS 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

Maintenance Control Sections : Length and Description

130 B (12.12 Mi.) | 12.12 End 130-A, Beg. 130-B on Keaau-Pahoa Rd. @ the North E.P. of Pahoa-Kapoho Rd. | 130 A (13.19 Mi.)

Structure Carrying Road

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

Vertical Clearance

Horizontal Clearance

Railroad and Railroad Structures

Vertical Clearance

Horizontal Clearance

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

80' (10.78) Residential Area | 50' – 110' | (17.39) 100'–150'

Available Right of Way Width (Needs Study)

Residential Area | Trees (12.27) | Chainlink Fence (12.27–12.55) | Clear 1000'/ Grass, Brush, Sugar Cane 10' from Pavement (17.23) | Trees & Brush

Right of Way Fence: Type – Right and Left — SW = Stone Wall

SW (18.39–18.83)

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

(RS–0130(24), Widen & Resurf., 2003) (10.46–10.67) | (17.42–17.60) 130A–01–97M Resurfacing 1998

Project No., Type of Construction, and Year Constructed

STP–0130(25), Resurf, 1996 (10.67–12.38) RS – 0130(20), New Alignment, 1990 | 130A–01–92M, Resurf, 1993 | S–0130(12) 1971

ROUTE CONTINUED FROM SHEET #1

Road "A" (Rd. to Old Rte 130) Begin Divided Hwy. | End Divided Hwy. Kahakai Blvd. | Homestead Rd. (West) | Homestead Rd. (East) | Begin Divided Hwy. | Pahoa-Kapoho Rd. (Rte 132) | End Divided Hwy. | Board of Water Supply Tank | Leilani Ave | Malama St. | ALA ILI RD. | Road | Road | Kamaili Road (to Ophikao) | Project Marker Upper Puna Rd | One'Ele Rd. | Old Kalapana 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. | 10.89 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. | 15.26 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

Divided Highway – Undivided

Shoulder: Width and Type

8' Gravel (10.46–10.53) | 8' AC | 8' AC | 8' AC (12.00–12.38) | 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) (12.38–14.89) | 20' AC | 22' AC (14.89–17.39) | 24' AC

Shoulder: Width and Type

8' Gravel (10.46–10.53) | 0 | 8' AC | 0 (12.00–12.38) | 3' Gravel | 4' Grass | 0 | 4' Grs. | 6' Dirt | 10' Gravel

Divided Highway – Median

Median: Width and Type

0'–12' Painted AC (10.53–10.97) | 0'–12' Painted AC (12.00–12.34)

Divided Highway – Undivided

Shoulder: Width and Type

0 | 0

Pavement: Width and Type

12' AC | 12' AC

Shoulder: Width and Type

8' AC | 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

10.41 –2 10.72 | 12.81 +4 12.90 | 13.17 –1 13.32 | 14.73 +2 14.91 | 15.39 –1 15.90 | 16.11 –5 16.47 | 16.59 –1 17.31 | 17.45 –4 17.66 | 17.88 –6 18.21 | 18.73 –5 18.87 | 19.04 –4 19.31

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

Rural

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

Flat (10.72–11.07) | Rolling

Speed: 1–Design, 2–Posted

55 MPH ② 45 MPH ① | 55 MPH ① | 45 MPH ① (12.38) | 55 MPH ② Minimum 40 ②

(Minimum 40 MPH ②) (10.46–10.97) | (11.84)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

B71 0130 00771 (10.69) | B71 0130 01088 (11.66) | B71 0130 01214 (13.71) | B71 0130 01420 (17.53) | B71 0130 01777 (18.77) | (B71 0130 01982)

HPMS Section

AADT (Year 2006)

11,600 (10.88) | 7,600 (12.14) | 3,400 (14.20) | 1,800 (17.77) | 1,800 (19.82) | 1,700

DOD Sections

Census Tracts

Functional Classification

Minor Arterial (1) (12.13) | Major Collector (1)

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

S–0130(9), 1967 (10.46–12.38) RS–0130(20) (New Alignment) 1990

HWY–H–01–69 (10.86–12.12) | (RS–0132(9) 1986 Widen and Resurf) | RS–SR–0130(19) Resurf 1982

S–0130(9) 1966 (10.74–12.09) Sta 44+81.95 | County | A–130–01–61 Sect. A (R/W) (13.72–14.84) | ER–4(1) 1957, 59 (17.45) Sta 0+00 – Sta 207+65.07 | S–130 (12) 1970

SCALE: (In Miles) 2" = 1 mile

Road Diagram

* MP = Milepost Signage

Date Released
November 2000
Revised
Sept 02 J.K.
Feb. 04 D.B.
May 04 D.B.
Sept 04 D.B.
7/06 D.B.

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

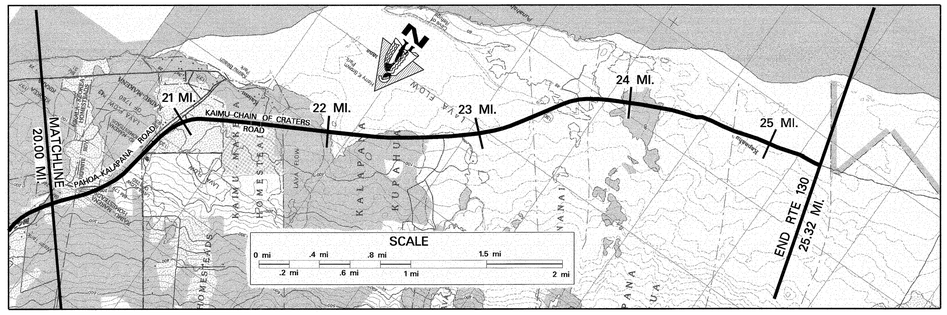
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS 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

Maintenance Control Sections : Length and Description — 130 A (13.19 Mi.) | Beg. 130 A Same as End Rte 130

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 | SW | SW | SW | WW | 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 | Begin Divided Hwy | End Divided Hwy | Access Rds to Pahoa–Kalapana Rd | 1992 Lava Flow & Road Barricade | Lokelani St. Lava Flow & Road Barricade | Kaoha Dr. | Lava Flow Across Kalapana Bch. Rd. | Road | Coconut Palm Dr. Royal Palm Dr. | Road to Queen's Bath | Cattle Guard

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

20.24 mi. | 20.62 mi. | 20.69 mi. | 20.80 mi. | 20.97 mi. | 21.13 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. | 24.49 mi. | 24.59 mi. | 24.80 mi. | 24.93 mi. | 25.13 mi. | 25.31 mi. | 25.32 mi.

PAHOA–KALAPANA RD — KAIMU–CHAIN OF CRATERS ROAD

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

SCALE: (In Miles) 2" = 1 mile

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
- 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) | 45 MPH (2) | 25 MPH (2) | 35 MPH (2) | 35 MPH (2) | Not Posted 25 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station — B71 0130 01982 | B71 0130 02183

HPMS Section — 20.69

AADT (Year 2006) — 1,700 | 0 | 0

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

Sta 2+35.88 | Sta 91+50 | Sta 10+52.12

SCALE: (In Miles) 2" = 1 mile

Date Released
November 2000
Revised
7/06 D.B.

ROAD INVENTORY

HAWAII RTE 139
OLD KEA'AU – PAHOA ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

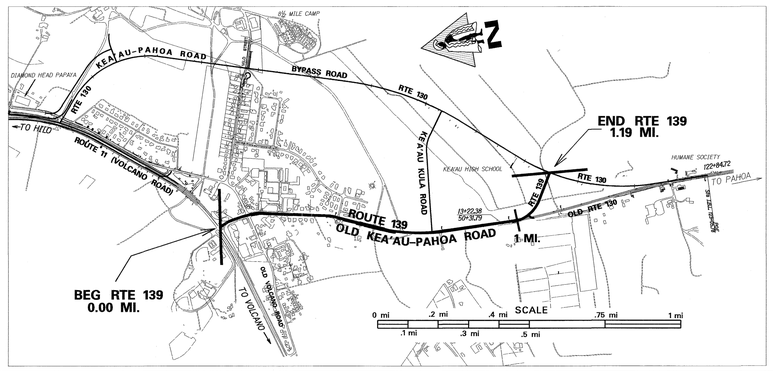
Total Route Length: 1.19 **MILES**

a. Survey Length: 1.19 **MILES**

b. Proposed Length: 0.00 **MILES**

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

*



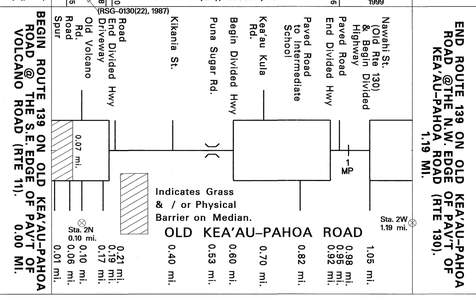
SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Maintenance Control Sections : Length and Description		End 139A same as Begin Route; 139A (1.19 mi.)
Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed	Continuous Conc. Slab, HS–20, 1968
	Vertical Clearance	18'
	Horizontal Clearance	44'
Structure Over Road	Vertical Clearance	
	Horizontal Clearance	
Right of Way Width (min.–max.) if varies		80'–85' (0.35) 80'–130' (0.95) 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		(0.00) Pipe (0.17) (0.00) Chain Link (0.00) (0.83) Chain Link (0.86)
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 (0.92)
Project No., Type of Construction, and Year Constructed		(F–011–2(17), 1987) → (0.18) (0.05) (0.20) (RSG–0130(22), 1987) STP–0130(25), Resurf., 1996 (0.95) 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 (0.14) 10' AC (0.70) 8' Gravel (0.95) 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 (0.92) (1.05) 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 (0.70) 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) (0.09) (0.05) 11' TL (0.14) 10' TLs (0.07) (0.82) (0.88) 12' TLs (0.64) (0.70) 1.15 12' TLs
(Right Side)		
Frontage Road: No. of Lanes, and Width (Right and Left)		
Sidewalk: Width and Type (Right and Left)		(0.06) (0.07) 4' AC S.W. (0.39) (0.70) (0.00) 8" Conc. Curb 2" AC (0.39) 8" Conc. Curb (0.80)
Curb and/or Gutter: Type (Right and Left)		C. Curb Curb (0.41) Curb C. Curb (0.00)
Protective Devices: Type, Location and Number		(0.05) (0.08) (0.17) (0.32) (0.38) (0.39) (0.46) (0.55) (0.60) (0.63) (0.70) All Metal on Metal. 1.00
Illumination: Type, Location and Number		
Curves: Degree of Curvature (Right and Left)		
Superelevation (Range)		
Grades: % Grade, Positive or Negative		(0.78) +2 (0.84)
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
Traffic Station		B71 0139 00000 (0.75)
HPMS Section		
AADT	(Year 2006)	0.00 6,900 1.19
DOD Sections		
Census Tracts		
Functional Classification		Major Collector
National Highway System (NHS)		None
Previous Projects: Project No., Date and Limits		(RSG–0130(22), 1987) (0.00) (0.18) 130B–01–83M, (R), 1983 S–0130(2), 1966 (0.33) S–130(7), 1967 (0.85)

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Date Released
June 2003, DB

Revised	
7/04	*D.B.*
7/06	*D.B.*

ROAD INVENTORY

HAWAII RTE 160
KE–ALA–O–KEAWE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

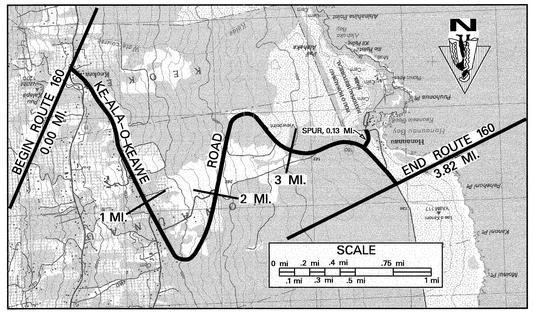
Total Route Length: 3.95 miles

a. Survey Length: 3.82 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.13 miles

* SPUR LENGTH

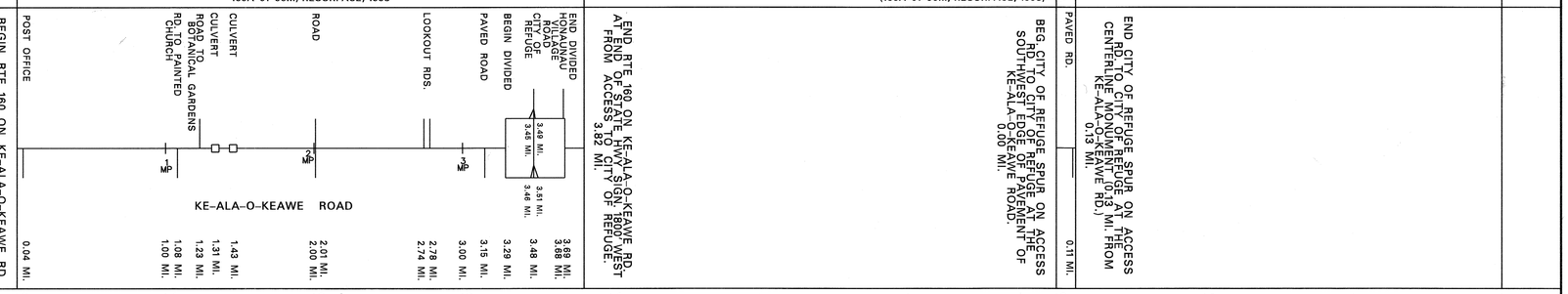


Road Diagram

* MP = Milepost Signage

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	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 1.48 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) 1.70 WIRE ON WOOD 25' FROM EDGE OF PAV'T FENCE (L) & (R) 3.12 FENCE (L) 3.35	
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	160A–01–96M, RESURFACE, 1998	(160A–01–96M, RESURFACE, 1998)
Project No., Type of Construction, and Year Constructed		



SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided — Shoulder: Width and Type	4' AC	(4' AC)
Pavement: Width and Type	24' AC 2.80 24' BST 14' AC 24' AC	(24' AC)
Shoulder: Width and Type	4' AC 0 4' AC	(4' AC)
Median: Width and Type	3.39 0–20' PAINTED AC 3.69	
Median Barriers:		
Shoulder: Width and Type	0	
Pavement: Width and Type	14' AC	
Shoulder: Width and Type	4' AC	
Number of Traffic Lanes	2–12' 2–14' 2–12'	(2–12')
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	12' TURNING LANES 3.48 3.65	
(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; METAL ON METAL	
Protective Devices: Type, Location and Number	0.01 0.15 0.27 0.29 0.40 0.45 0.73 0.79 0.82 0.96 1.47 1.62 1.67 2.08 2.22 2.28 2.38 2.56 2.64 2.81 2.85 2.89 2.94 3.01 3.30 3.39	(METAL ON METAL) 0.11 0.08
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		
Traffic Station	B71 0160 00000 B71 0160 00131	(B71 0160 00348)
HPMS Section	0.75 3.00	3.48
AADT (Year 2006)	0.00 1,400 1.31 1,000	3.61 700
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+50 S–0160(2) UNIT 1, 1961 3.16 S–0160(2) UNIT 2, 1961	(S–0160(2) UNIT 2, 1961)

SCALE: (In Miles) 2" = 1 mile

Date Released	
OCT. 05, DB	
Revised	
7/06	D.B.

ROAD INVENTORY

HAWAII RTE 190
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

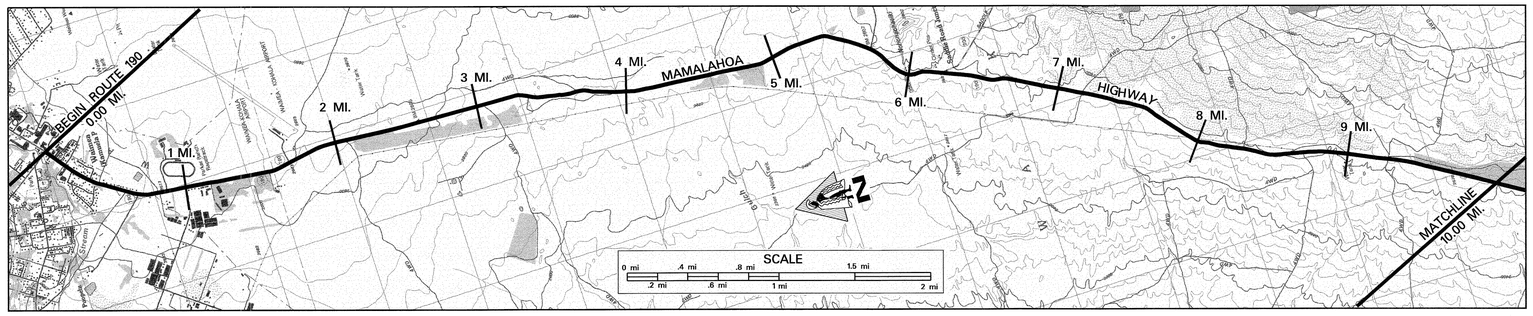
Total Route Length: 38.99 miles

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

END 190 E, 0.05 MI. NORTH OF WAIMEA-KOHALA AIRPORT ROAD — 190 E (5.02 MI.) — END 190 D – BEGIN 190 E ON MAMALAHOA HIGHWAY 100' NORTH OF SADDLE ROAD — 190 D (7.26 MI.)

Structure Carrying Road

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

SLAB 1930, H-15 — 3 PLATE CULVERTS 1980, HS-20

Vertical Clearance

21' — 37'

Horizontal Clearance

24' — 40'

Structure Over Road

Vertical Clearance

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 (8), 1988 (R)) — STATE

Project No., Type of Construction, and Year Constructed

(STP-019-1(24), 2000 RESURF., RMPAV. (ALSO SEE RTE 19)) — WDRC 12(1), 1947 — 190E-01-98M, RESURF., 1999 — 190DE-01-99M, 2000 (RESURF.)

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage

BEGIN RTE. 190 ON MAMALAHOA HIGHWAY AT THE SOUTHERLY END OF MAMALAHOA HIGHWAY AND LINDSEY ROAD (RTE 19).

0.00 MI. — 0.05 MI. — 0.08 MI. — 0.22 MI. — 0.27 MI. — 0.39 MI. — 0.40 MI. — 0.59 MI. — 0.68 MI. — 0.88 MI. — 1.00 MI. — 1.11 MI. — 1.20 MI. — 1.56 MI. — 1.71 MI. — 2.02 MI. — 3.01 MI. — 4.02 MI. — 4.57 MI. — 4.66 MI. — 5.01 MI. — 5.70 MI. — 5.99 MI. — 6.25 MI. — 7.00 MI. — 7.58 MI. — 8.00 MI. — 8.98 MI. — 9.00 MI. — 9.97 MI.

END DIVIDED ROAD — AHUILI CIRCLE END DIVIDED ROAD — ENT. & EXIT TO TELESCOPE CORP. ROAD — ENT.& TO PARKER RANCH — ROAD TO PARKER RANCH H.Q. — ROAD END STATE HWY SIGN LALAMILO ROAD — FORMERLY END OF SJ 190 — WAIMEA-KOHALA ROAD PAVED ROAD — KAMAKOA BR #1 ROAD — ROAD TO QUARRY WEST HAWAII CONCRETE — SADDLE ROAD (RTE 200) — KAMAKOA BR #2 — ROAD

MP — MAMALAHOA HWY

CONTINUED ON SHEET #2.

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type

(0'–10' AC) — 0.10 — 2' AC — 25' GRASS — 4' AC — (20' 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 — 15' GRASS — 8' AC — 0.44 — 0.54 — 0 — 15' GRASS — 4' AC

Median: Width and Type

(11'–0' PAINTED AC) — 0.27 — (12'–0' PAINTED AC)

Median Barriers:

0.08 — 0.34 — 0.39

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') — 0.10 — 2–11' — 2–12' — 2–11'
(1–(28'–11')) — (2–10')

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

14' T.L. — 0.04 — 0.39
11' T.L. — 0.31 — 0.35
10' T.L. — 0.05

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

0.06 4' CONC. S.W.
0.03 8' CONC. S.W.

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

0.06
0.03 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 — 0.69

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

Traffic Station

B71 0190 00000 — B71 0190 00100 — B71 0190 00202

HPMS Section

0.72 — 1.91 — 9.00

AADT (Year 2006)

10,200 — 5,674 — 7,300

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(8), 1980) — 19 DE-01-68 — COUNTY — RS-0190(2), 1979 — F-10(6), 1953 — (FAP 10-C(1), 1938)

STA. 232 + 00' — STA. 199 + 00'

SCALE: (In Miles) 2" = 1 mile

Date Released
OCT 05, D.B.
Revised
7/06 D.B.

ROAD INVENTORY

HAWAII RTE 190
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

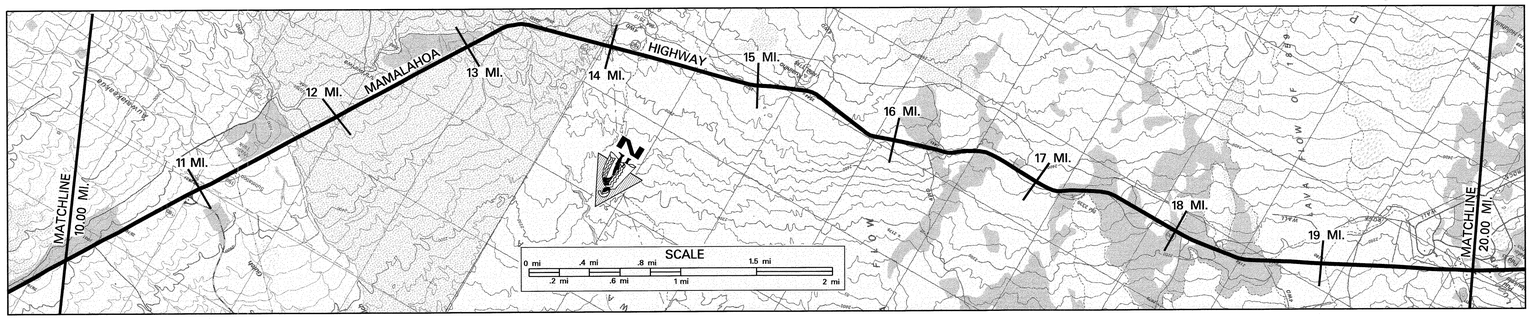
Total Route Length: 38.99 miles

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

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.)

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

40' | 40' | 32'

Horizontal Clearance

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

Right of Way Fence: Type – Right and Left

WIRE ON WOOD 10' FROM PAVEMENT
WIRE ON WOOD 10' FROM PAVEMENT

CLEAR 1000', LAVA ROCK, GRASS, TREES – 10' FROM PAVEMENT
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)

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

BEGIN DIVIDED | AUHAKEAKUA BR. | END DIVIDED | WAIKOLOA DRIVE | POWER SUB STATION | POPOO BR. | KEAMUKU BR. CULVERT | SIGN "DISTRICT OF SOUTH KOHALA" | SPEED MONITORING STATION | NE EDGE OF 1859 LAVA FLOW | BIG ISLAND COUNTRY CLUB RD. | SUBSTATION D.W.

MAMALAHOA HWY

CONTINUED FROM SHEET #1

CONTINUED ON SHEET #3

SCALE: (In Miles) 2" = 1 mile

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:

Divided Highway – Divided

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' | 1–14' 1–17' | 2–10.5' | 2–9' | 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

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) | -4 | +1 | -4 | +1 | +2 | -3 | -3 | +1 | +4 | +1 | +1 | +1 | -4 | +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

Traffic Station

B71 0190 00202 | B71 0190 01126 | B71 0190 01598

HPMS Section

AADT (Year 2006)

7,300 | 4,300 | 4,300

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), 1933 | FAP E–10B, 1932 | FAP 10–A, 1932

STA. # 642+00

SCALE: (In Miles) 2" = 1 mile

Date Released
OCT. 05, D.B.

Revised	
7/06	D.B.

ROAD INVENTORY
HAWAII RTE 190
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

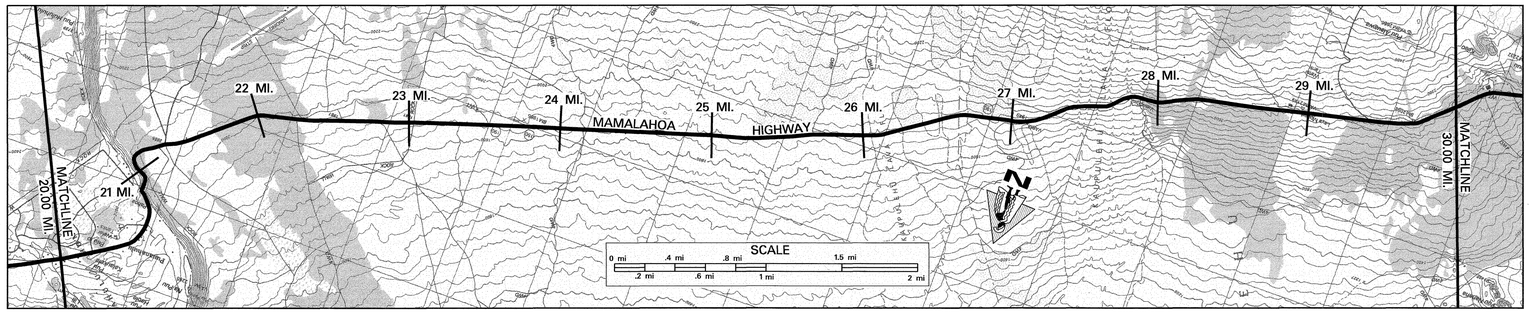
Total Route Length: 38.99 miles

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 C (7.87 MI.) | 20.98 END 190 B – BEGIN 190 C ON MAMALAHOA HWY. AT THE CENTERLINE OF PUUWAAWAA RANCH ROAD | 190 B (13.91 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: (CLEAR 1000' LAVA ROCK, GRASS, TREES, – 10' FROM PAVEMENT) 60'–150' 80'–217'

Available Right of Way Width (Needs Study): 20.03 20.74 (RESIDENTIAL AREA) 1000' CLEAR, LAVA ROCK, W/ BRUSH, GRASS – 10' FROM PAVEMENT 28.35 (CONC. WALL) 27.96 BRUSH, GRASS, TREES 28.69 BRUSH, GRASS, & LARGE TREES

Right of Way Fence: Type – Right and Left: 20.66 21.03 STONE WALL 8' FROM PAVEMENT 26.66 WIRE ON WOOD 15'–20' FROM PAVEMENT 28.57 CRM WALL

Control of Access: 1–None, 2–Partial, 3–Full: (WIRE ON WOOD – 10' FROM PAVEMENT) 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) 29.14

Project No., Type of Construction, and Year Constructed: 20.46 (19C-01-70 (RESURF. & REHAB.) 1971) 190BC-01-90M (RESURFACE)1991 27.36 (190B-01, 1971) 27.61 HES-0190(9), (IMPROV.) 1991 28.73 190B-01-91M (R) 1992

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #2

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

MP 21 22 23 24 25 26 27 28 29 30

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

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 | 27.61 | 22' AC

Shoulder: Width and Type: 5' DIRT | 21.34 | 4' DIRT | 4' AC | 28.42 | 7' GRAVEL

Divided Highway

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes: 2–11' | 27.36 1–11' 1–10' 27.61 | 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): 27.61 2' AC GUTTER 28.42 | 28.87 28.97

Protective Devices: Type, Location and Number: 21.04 | 21.39 CRM WALL | 28.10 | 28.15 | 28.42 | 29.54 | 29.70 | 29.80 | 29.94

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative: 22.95 +1 | 23.15 23.12 –5 | 23.30 23.39 +4 | 23.71 | 24.55 +1 | 24.96 | 25.41 –1 | 25.71 25.64 +1 | 25.90 25.80 +1 | 26.16 26.07 –2 | 26.36 26.46 –1 | 26.61 | 27.40 +1 | 27.62 | 27.75 –1 | 28.06 | 28.27 –1 | 28.56

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL

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

Speed: 1–Design, 2–Posted: 28.31 | 55 MPH (2) (MINIMUM 40 MPH) 55 MPH (2) | 28.46 | 55 MPH (2) 55 MPH (2) (MINIMUM 40 MPH)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: B71 0190 01598

HPMS Section: 24.96

AADT (Year 2006): 4,300

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits: F-10(5), 1956; F-10(5), 1954; 28.39 STA. 8+82 STA. 406+50; 19C-01-70 (RESURF. & REHAB.), 1971 21.28 | 21.30; 190B-01-71 (RESURFACE) 1971; F 10-A, 1932; (FAP 10-A, 1933)–28.30 .39 28.73–(FAP 10-A, 1932); 28.57 STA. 397+19 STA. –0+50

SCALE: (In Miles) 2" = 1 mile

Date Released
OCT. 05, D.B.
Revised
7/06 D.B.

ROAD INVENTORY

HAWAII RTE 190
MAMALAHOA HWY., PALANI RD.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

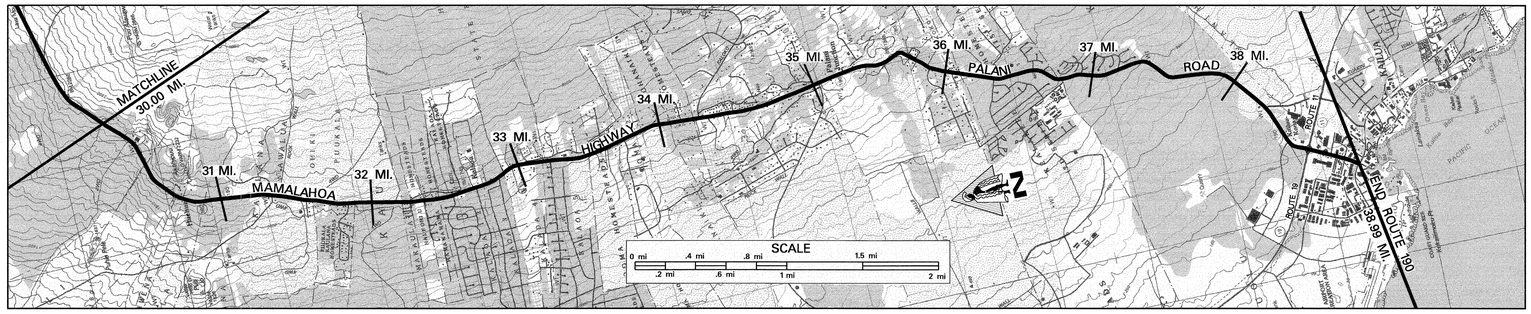
Total Route Length: 38.99 miles

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 B (13.91 MI.)

BEGIN 190 B ON MAMALAHOA HWY AT THE CENTERLINE OF FASC 180 (35.26)

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' (35.29) 40'–60'

Available Right of Way Width (Needs Study): BRUSH, GRASS & LARGE TREES (32.37) RESIDENTIAL AREA (38.63)

Right of Way Fence: Type – Right and Left: STONEWALL 4'-8' FROM PAVEMENT (35.22 – 38.63)

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE (32.96) COUNTY

Project No., Type of Construction, and Year Constructed: STP–0100(31) – GUARDRAIL IMPRV. 1994

Project No., Type of Construction, and Year Constructed: 190B–01–91M, (R), 1992 (33.39) (190B–02–91, (IMPRV.), 1993) 190B–01–91M, (R), 1992 (36.37)

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #3

200' ELEV. SIGN (30.11 MI.) · HUEHUE RANCH ROAD (30.62 MI.) · ROAD (R) MAKALEI HAWAII (30.96 MI.) · ROAD (31.33 MI. / 31.37 MI.) · ROAD (31.53 MI.) · ROAD (R) (31.82 MI.) · BEGIN DIVIDED (31.96 MI.) · KAA LELE ST. (32.02 MI.) · END DIVIDED (32.12 MI.) · MAKAULA RD. (L) (32.22 MI.) · MAKAULA RD. (32.24 MI.) · ROAD (32.32 MI.) · ACCESS RD. (32.56 MI.) · LOLOA RD. (32.62 MI.) · MAHILANI DR. (32.68 MI.) · RD. TO CHURCH (32.71 MI.) · AHIKAWA ST. (32.84 MI.) · ROAD (32.97 MI.) · KAIMINANI DR. (33.03 MI.) · BEGIN DIVIDED (33.12 MI.) · MATSUYAMA SCHOOL (33.29 MI.) · END DIVIDED (33.36 MI.) · ENTRANCE TO (33.39 MI.) · KALALOA ST. (33.55 MI.) · HAMO STREET (33.65 MI.) · AOMA PL. (33.69 MI.) · RD. (R) (33.72 MI.) · ROAD (R) (33.85 MI.) · CHURCH OF GOD RD. (34.12 MI.) · LIHAU ST. (34.29 MI.) · 150' ELEV. SIGN (34.41 MI.) · KALOKO DR. (34.46 MI.) · MAKALAPUA RD. (34.52 MI.) · (R) (34.57 MI.) · ROAD (34.61 MI.) · END STATE HWY SIGN (35.06 MI.) · OLD MAMALAHOA HWY (35.17 MI.) · END DIVIDED (35.20 MI.) · BEG. DIVIDED (35.30 MI.) · HINALANI ST. (R) (35.37 MI.) · NORTH KONA BASE YARD (35.43 MI.) · ROAD TO CHURCH (35.93 MI.) · HAO KUNI ST. (36.02 MI.) · METHODIST (36.21 MI.) · PAMAHOA PL. (36.29 MI.) · TOMI TOMI DR. (36.37 MI.) · ULUA 'O 'A ST. (36.48 MI.) · ROAD (36.56 MI.) · LAMANA PL. (36.62 MI.) · IWALANI PL. (36.66 MI.) · PEDESTRIAN (36.77 MI.) · OVERPASS (36.84 MI.) · KEALAKAA ST. (36.89 MI.) · PALIHOLO ST. (36.95 MI.) · KONALANI ST. (37.15 MI.) · RD. TO WATER TANK (37.37 MI.) · END DIVIDED (37.94 MI.) · HENERY ST. (38.02 MI.) · BEGIN DIVIDED (38.18 MI.) · QUEEN KAAHUMANU (38.30 MI.) · BEGIN DIVIDED (38.32 MI.) · PAVED ROAD (L) (38.49 MI.) · MAKAI (38.58 MI.) · KOPIKO STREET (38.69 MI.) · LANIAKEA CENTER ROAD (38.80 MI.) · KOPIKO STREET (38.99 MI.) · QUEEN KAAHUMANU HWY (R) (38.44 MI.) · KONA COAST SHOPPING CENTER ROADS (38.58 MI.)

MAMALAHOA HWY — PALANI ROAD — QUEEN KAAHUMANU HWY (R)

END RTE 190 ON PALANI ROAD AT THE NORTHEAST 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 (32.02) · 6' AC (33.12) · 7' GRAVEL (35.00) · 6' AC (35.27) · 7' GRV (35.31) · 4' DIRT (37.78) · 6' AC (38.30) · 2' AC (38.38) · (2'–10' AC) 0
	Pavement: Width and Type	22' AC (32.02) · 11' AC (32.26) · 22' AC (33.12) · 11' AC (33.36) · 22' AC (35.00) · 11' AC (35.27) · 7' AC (35.31) · 20' AC (37.78) · 30' AC (38.30) · 20' AC (38.38) · 2' AC (38.63) · 24' AC (12' AC)
	Shoulder: Width and Type	7' GRAVEL (32.02) · 0 (32.26) · 7' GRAVEL (33.12) · 0 (33.36) · 7' GRAVEL (35.00) · 0 (35.27) · 7' GRV (35.31) · 4' DIRT (37.78) · 0 (38.30) · 2' AC (38.38) · (1' AC) 0
	Median: Width and Type	(11' AC PAINTED) · (0'–12' PAINTED AC) · (0'–12' RAISED GRASS W/ CURB)
	Median Barriers:	(0'–28' RAISED GRASS & TREE W/ CURB)
	Shoulder: Width and Type	0 (32.02) · 0 (32.26) · 0 (33.12) · 0 (33.36) · 0 (35.00) · 0 (35.27) · 0 (38.30) · 0 (38.38) · (1' AC) 0
	Pavement: Width and Type	11' AC (32.02) · 11' AC (32.26) · 11' AC (33.12) · 11' AC (33.36) · 11' AC (35.00) · 11' AC (35.27) · 12' AC (38.30) · 24' AC (38.38) · (12' AC)
	Shoulder: Width and Type	10' AC / 5' AC (32.02) · 6' AC (32.26) · 6' AC (33.12) · 6' AC (33.36) · 6' AC (35.00) · 6' AC (35.27) · 6' AC (38.30) · (4' AC) 0

Number of Traffic Lanes: 2–11' (32.14) · 4–12' (35.31) · 2–10' (37.40) · 2–10' 1–10' (37.78) · 2–10' (38.30) · 2–12' (38.38) · 4–12' (38.63)

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 11' TLs (32.72) · 11' (L) TLs (33.21) · 11' TLs (35.51) · 12' TLs (38.49)

(Right Side)

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

Sidewalk: Width and Type (Right and Left): 4' AC S.W. (36.62) · 4' CONC. S.W. (38.63)

Curb and/or Gutter: Type (Right and Left): AC CURB (36.62) · (2' GUTTER/CURB) (38.63)

Protective Devices: Type, Location and Number — ALL GUARDRAILS METAL ON METAL, UNLESS OTHERWISE NOTED: METAL ON CONCRETE (36.62)

Illumination: Type, Location and Number: MV (38.63)

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative: –4 (33.14 / 33.32) · –6 (34.27 / 34.45) · –7 (36.16 / 36.32) · –7 (36.54 / 36.69) · –6 (37.60 / 37.76)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (33.26) URBAN

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

Speed: 1–Design, 2–Posted: 55 MPH (2) (32.12) · 55 MPH (2) (MINIMUM 40 MPH) · 45 MPH (2) (35.19) · 35 MPH (2) (36.47) · 25 MPH (2) (38.63)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: B71 0190 01598 · B71 0190 03131 · B71 0190 03222 · B71 0190 03524 · B71 0190 03864

HPMS Section: 31.31 · 35.00 · 37.94 · 38.72

AADT (Year 2006): 4,300 (32.22) · 13,800 (35.24) · 18,400 (38.44) · 19,800 (38.69)

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (35.27) MAJOR COLLECTOR (38.63)

National Highway System (NHS)

Previous Projects: Project No., Date and Limits: F–10(5), 1956 (30.76) · 32.53 190B–02–71, RESURF., 1971 · F–10(5), 1954 · 190B–01–86M, (R) 1986 (35.32) · 35.27 35.32 STA. 41+09 · COUNTY TO STATE – PHASE 3 (38.63)

SCALE: (In Miles) 2" = 1 mile

Date Released	
OCT. 05, D.B.	
Revised	
7/06	D.B.

ROAD INVENTORY

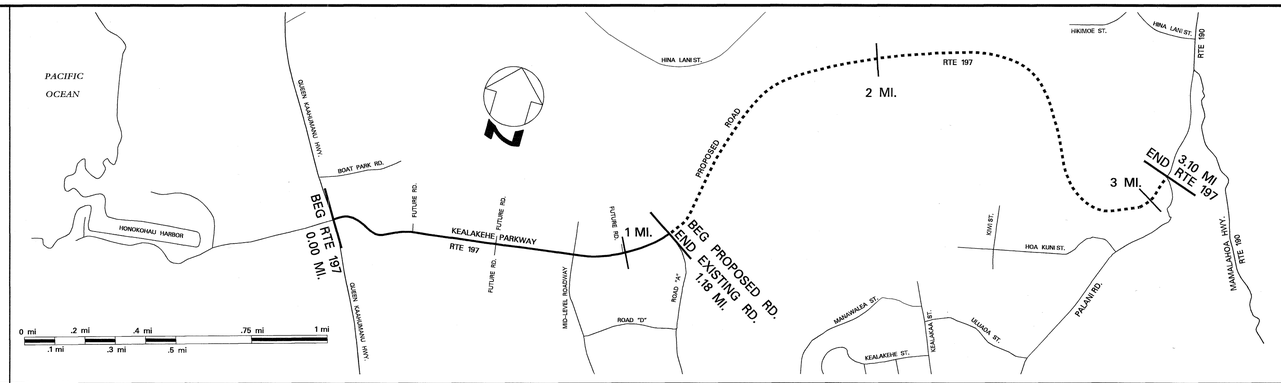
HAWAII RTE 197
KEALAKEHE PARKWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Designated Route Length:	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

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

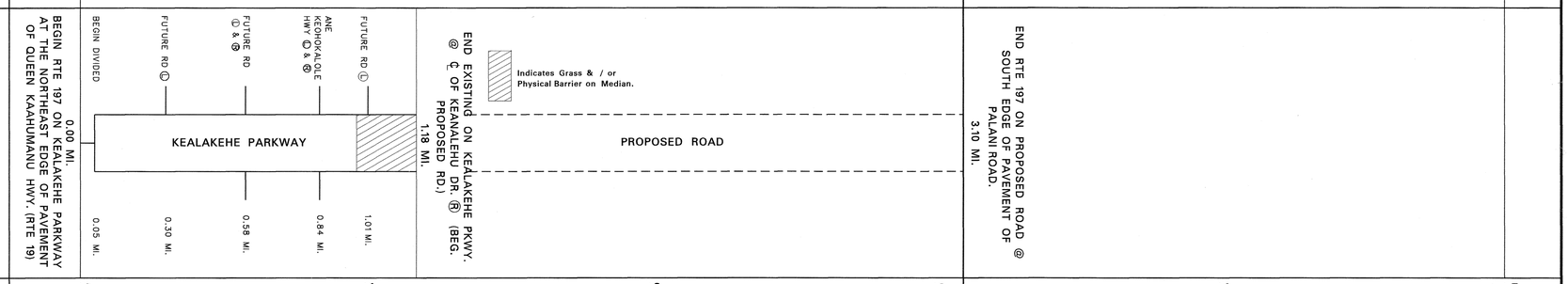
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)

Project No. and Type of Construction

Year Project Constructed

Road Diagram

* MP = Milepost Signage



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
- Shoulder: Width and Type — 12' AC | 0 | 3'AC
- Median: Width and Type — 12' PAINTED AC (6' AC (FLUSH) AC CURBS BOTH SIDES) (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 | 2'AC

Number of Traffic Lanes — 2–12' | 1–12' 2–12' | 2–12'

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

(Right Side) — 11'AC

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

Sidewalk: Width and Type (Right and Left) — 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

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 — 2–Rolling

Speed: 1–Design, 2–Posted — 25 MPH ② | 35 MPH ②

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station — B71 0197 00000

HPMS Section — 0.60

AADT (Year 2006) — 3,500

DOD Sections

Census Tracts

Functional Classification — Minor Arterial | Minor Arterial

National Highway System (NHS) — None

Previous Projects: Project No., Date and Limits

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
HIGHWAYS PLANNING BRANCH

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

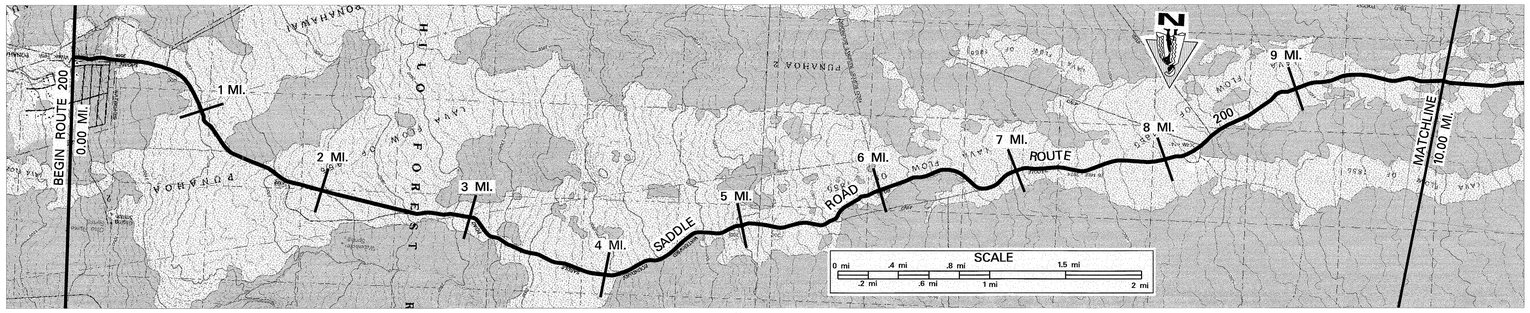
Total Route Length: 44.75 miles

a. Survey Length: 44.75 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

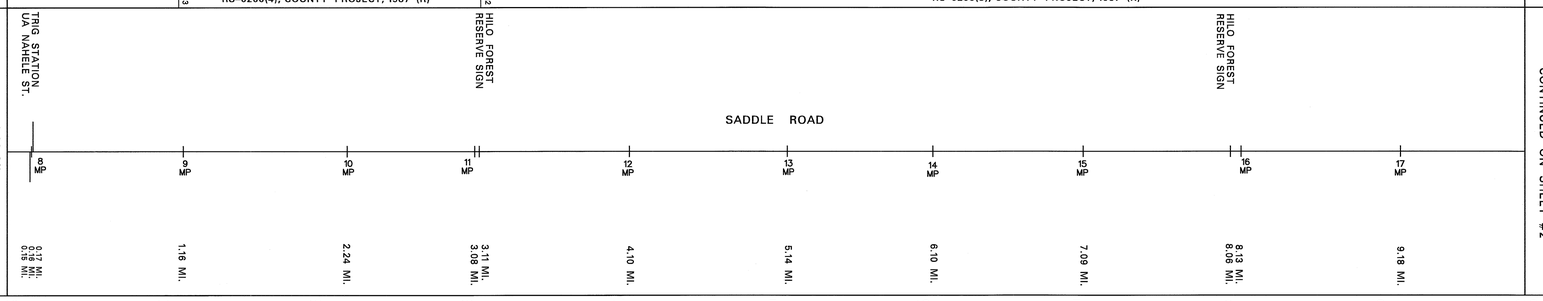
*



	SCALE: (In Miles) 2" = 1 mile	0 1 2 3 4 5 6 7 8 9 10
	Maintenance Control Sections : Length and Description	
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 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	1.13 RS–0200(4), COUNTY PROJECT, 1987 (R) 3.12 RS–0200(3), COUNTY PROJECT, 1987 (R)

Road Diagram

* MP = Milepost Signage



	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 | 4' AC | 10' DIRT | 4' AC | 10' DIRT | 4' AC | 2' AC/10' DIRT | 4' AC | 10' DIRT
Divided Highway Undivided	Pavement: Width and Type	20' BST | 22' AC
Divided Highway Undivided	Shoulder: Width and Type	2'–4' GRASS | 4' AC | 10' DIRT | 4' AC | 10' DIRT | 4' AC | 2' AC/10' DIRT | 4' AC | 10' DIRT
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' | 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	
	Traffic Station	B71 0200 00000 | B71 0200 00115
	HPMS Section	
	AADT (Year 2006)	883 | 887
	DOD Sections	
	Census Tracts	
	Functional Classification	MINOR ARTERIAL
	National Highway System (NHS)	
	Previous Projects: Project No., Date and Limits	
	SCALE: (In Miles) 2" = 1 mile	0 1 2 3 4 5 6 7 8 9 10

Date Released
NOV. 05, D.B.
Revised
7/06 D.B.
9/07 D.B.

ROAD INVENTORY

HAWAII RTE 200
SADDLE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

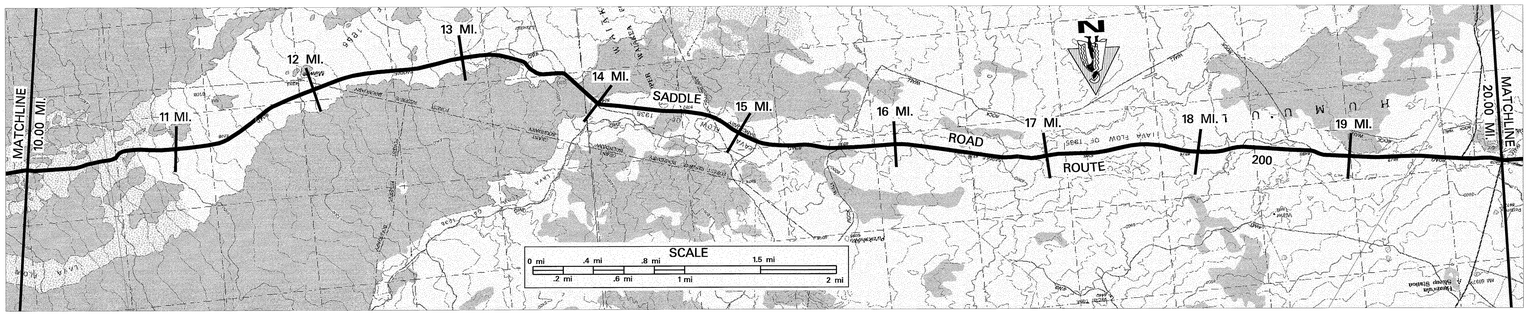
Total Route Length: 44.75 miles

a. Survey Length: 44.75 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

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' 19.88 196'

Available Right of Way Width (Needs Study)

BRUSH, GRASS AND TREES 11.24

1000' CLEAR– LAVA ROCK – 10'–15' FROM EDGE OF PAVEMENT

14.28 14.41 14.42 (WOOD ON WOOD 40' FROM E.P.)

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 (STATE) 19.88

Project No., Type of Construction, and Year Constructed

694 + 00

Project No., Type of Construction, and Year Constructed

RS-0200(3), COUNTY PROJ., 1987, (R) 11.07

(HIA-AD/STP 6(3), New Alignment, 2007)

Road Diagram

* MP = Milepost Signage

CONTINUED ON SHEET #1

DISTRICT OF SOUTH HILO SIGN

BEGIN DIVIDED

BEGIN NEW ALIGNMENT

MAUNA LOA OBSERVATORY ROAD

CONTINUED ON SHEET #3

18 MP 19 MP 20 MP 21 MP 22 MP 23 MP 24 MP 25 MP 26 MP

SADDLE ROAD

NEW ALIGNMENT

10.05 MI. 11.05 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. 19.96 MI. 19.92 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 | 10' DIRT | 2'–4' GRASS 11.87 | 6' GRASS | 6" GRV. 15.91 | 6' GRASS | 4' GRAVEL 19.96 (8' AC)

Pavement: Width and Type

22' AC (4' AC) 11.07 | 20' BST 15.91 | 16' AC 14.09 | 20' BP 15.31 | 20' AC (24' AC) (12' AC)

Shoulder: Width and Type

10' DIRT | 4' AC. 10.33 | 10' DIRT 10.49 | 10' DIRT 10.66 | 2'–4' GRASS 11.87 | 6' GRASS | 6" GRV. | 6' GRASS | 4' GRAVEL (8' AC) (0' AC)

Median: Width and Type

Median Barriers:

(0–20' Painted AC) 19.92

Shoulder: Width and Type

(0' AC)

Pavement: Width and Type

(12' AC)

Shoulder: Width and Type

(8' AC)

Number of Traffic Lanes

2–11' 11.07 | 2–10' 15.91 | 2–9' 14.09 | 2–10'

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

(Right Side)

1–12' (R) TL 19.88

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 15.36 FLAT

Speed: 1–Design, 2–Posted

35 MPH (2) 10.88 | 45 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

B71 0200 00115 | B71 0200 01109 | B71 0200 01529

HPMS Section

AADT (Year 2006)

887 11.09 | 1,434 15.29 | 1,100

DOD Sections

Census Tracts

Functional Classification

MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

Date Released
NOV. 05, D.B.
Revised
7/06 D.B.
9/07 D.B.

ROAD INVENTORY
HAWAII RTE 200
SADDLE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

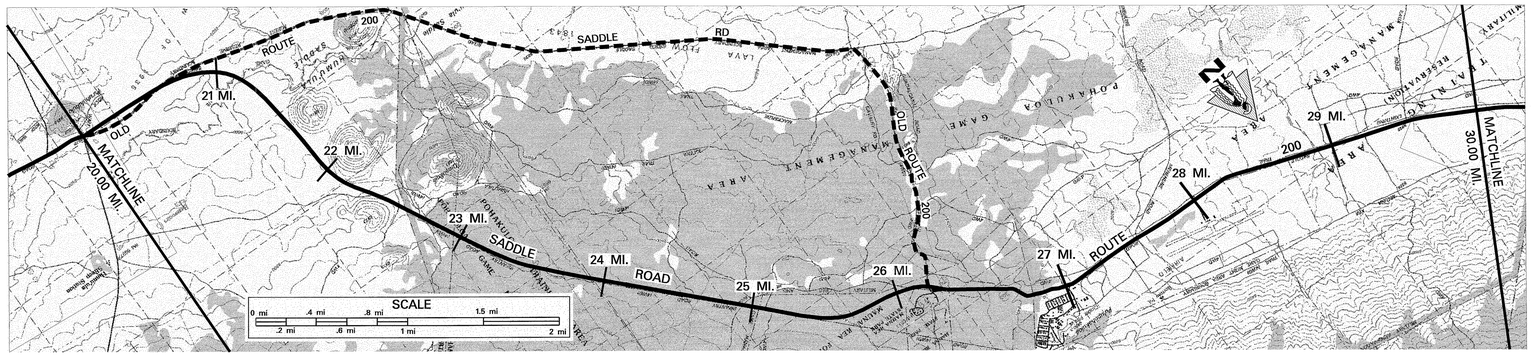
Total Route Length: 44.75 miles

a. Survey Length: 44.75 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

Structure Carrying Road

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

2 CELL BOX CULVERT 24'

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

196' | 160' | 140' | 196' | VARIES 50'–150'

Available Right of Way Width (Needs Study)

1000' CLEAR – LAVA ROCK W/ SMALL BUSHES 10'–15' FROM E.P. | 1000' CLEAR – GRASSLAND W/ BUSHES & SMALL TREES 10'–15' FROM E.P.

Right of Way Fence: Type – Right and Left

NONE | (WIRE ON METAL 10' 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)

STATE | COUNTY

Project No., Type of Construction, and Year Constructed

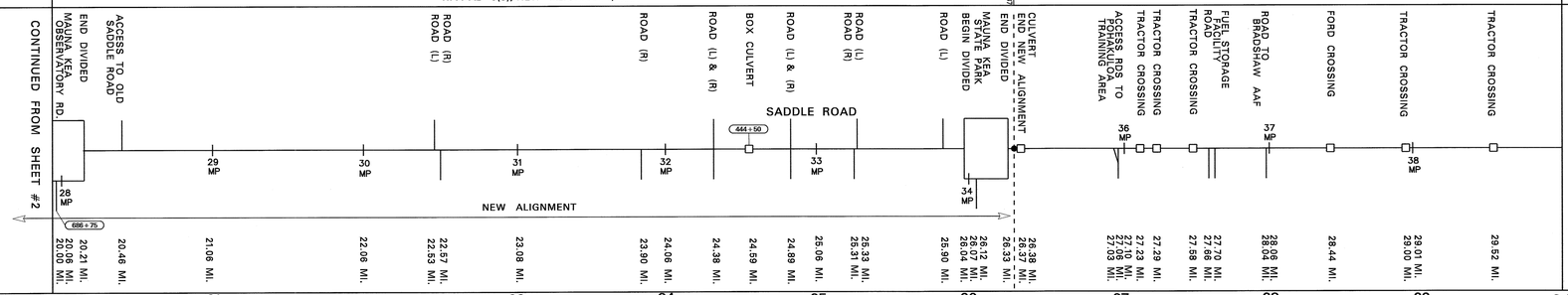
0+00

Project No., Type of Construction, and Year Constructed

HI A-AD 6(3), NEW ALIGNMENT, 2007

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' FIRE BREAK)

8' AC | 8' AC | 8' AC | 6' GRAVEL | 5' GRASS/GRAVEL

Pavement: Width and Type

12' AC | 24' AC | 12' AC (22' AC) | 20' BP (22' BP)

Shoulder: Width and Type (= 4' FIRE BREAK)

0 | 8' AC | 0 | 4' GRS/GRV | 5' GRASS/GRAVEL

Median: Width and Type

(0'–20' PAINTED AC) | 0'–20' PAINTED AC

Median Barriers:

(4' WIRE FENCE SEPERATING SHLDR. FROM FIREBREAK)

Shoulder: Width and Type

0

Pavement: Width and Type

12' AC

Shoulder: Width and Type (= 4' FIRE BREAK)

8' AC | 8' AC | (2–11') | 2–10' (22' BP)

Number of Traffic Lanes

2–12'

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

1–12' (L) TL

(Right Side)

1–12' (R) TL

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 | ROLLING | FLAT

Speed: 1–Design, 2–Posted

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

(B71 0200 (15)29) | B71 0200 02004 | B71 0200 02232 | B71 0200 02706

HPMS Section

AADT (Year 2006)

(1,100) | 900 | 685 | 822

DOD Sections

Census Tracts

Functional Classification

MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

Date Released
NOV. 05, D.B.
Revised
7/06 D.B.
9/07 D.B.

SCALE: (In Miles) 2" = 1 mile

20 21 22 23 24 25 26 27 28 29 30

ROAD INVENTORY

HAWAII RTE 200
SADDLE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

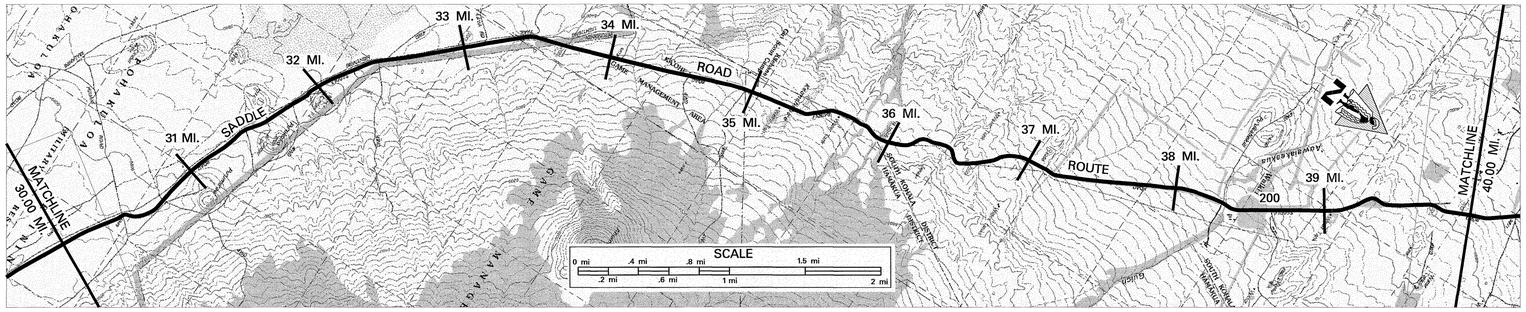
Total Route Length: 44.75 miles

a. **Survey Length:** 44.75 miles

b. **Proposed Length:** 0.00 miles

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

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

CONTINUED FROM SHEET #3

30 31 32 33 34 35 36 37 38 39 40

CULVERT–CORR. METAL PIPE
1957, HS–20
4′
38.34
16′

ESTIMATED 100′–150′
1000′ CLEAR– PASTURELAND 30′ FROM EDGE OF PAVEMENT
35.06 35.28 ALL WIRE ON WOOD 30′ FROM EDGE OF PAVEMENT 37.28 39.42
NONE
COUNTY

TRACTOR CROSSING (39 MP, 30.09 MI.)
TRACTOR CROSSING (40 MP, 30.73 MI.)
BEGIN OLD SR 201 50 S.E. OF POWER POLE #107. (41 MP, 31.13 MI.)
TRACTOR CROSSING (42 MP, 32.14 MI.)
CULVERT (32.38 MI.)
CULVERT (33.06 MI.)
CULVERT (33.15 MI.)
CULVERT (33.51 MI.)
CULVERT (33.64 MI.)
CULVERT (33.75 MI.)
KILOHANA HUNTER CHECKING STATION (43 MP, 34.15 MI.)
RD. TO KILOHANA GIRL SCOUT CAMP (44 MP, 34.54 MI.)
SOUTH KOHALA/HAMAKUA DIST./ BOUNDRY (35.06 MI.)
CULVERT (35.49 MI.)
CULVERT (45 MP, 35.89 MI.)
CULVERT (36.11 MI.)
CULVERT (46 MP, 36.44 MI.)
CULVERT (36.90 MI.)
CULVERT WAKU DEVELOPMENT (47 MP, 37.13 MI.)
ROAD (38.05 MI.)
ROAD (38.28 MI.)
POWER SUB STATION (48 MP, 38.34 MI.)
CULVERT (38.51 MI.)
WATER TANK (38.63 MI.)
WATER WELL (38.90 MI.)
DEEPEST PT. (39.05 MI.)
BEGIN DIVIDED HWY (39.45 MI.)
END DIVIDED HWY (39.72 MI.)
CULVERT (39.82 MI.)

SADDLE ROAD

CONTINUED ON SHEET #5

SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided
- Shoulder: Width and Type — 5′ GRASS / GRAVEL | 3′–6′ GRASS
- Pavement: Width and Type — 22′ BP | 20′ BP (30.48) | 20′ BP (30.86) | 18′ BP (31.78) | 20′ BP (32.38) | 20′ AC | (10′ AC) 20′ AC
- Shoulder: Width and Type — 5′ GRASS / GRAVEL | 3′–6′ GRASS | 0

Median
- Median: Width and Type | (0–10′ PAINTED AC) (39.72)
- Median Barriers: (STEEL ON STEEL) (39.57 39.82)

Undivided
- Shoulder: Width and Type | 0
- Pavement: Width and Type | (10′ AC)
- Shoulder: Width and Type | (3′–6′ GRASS)

- Number of Traffic Lanes — 2–11′ (30.48) | 2–10′ (30.86) | 2–9′ (31.78) | 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 (30.86) | ROLLING
- Speed: 1–Design, 2–Posted — 45 MPH (2)
- Intersection Control Devices: Type, Location and Cycle Timing
- Traffic Station — B71 0200 02706
- HPMS Section
- AADT (Year 2006) — 822
- DOD Sections
- Census Tracts
- Functional Classification — MINOR ARTERIAL
- National Highway System (NHS)
- Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 1 mile

30 31 32 33 34 35 36 37 38 39 40

39 MP 30.09 MI. · 40 MP 30.43 MI. · 30.73 MI. · 41 MP 31.13 MI. · 32.14 MI. · 32.38 MI. · 42 MP 33.06 MI. · 33.15 MI. · 33.51 MI. · 33.64 MI. · 33.75 MI. · 43 MP 34.15 MI. · 34.17 MI. · 34.54 MI. · 44 MP 35.06 MI. · 35.09 MI. · 35.49 MI. · 45 MP 35.89 MI. · 36.11 MI. · 46 MP 36.44 MI. · 36.90 MI. · 37.13 MI. · 47 MP 38.05 MI. · 38.28 MI. · 38.34 MI. · 38.51 MI. · 48 MP 38.63 MI. · 38.90 MI. · 39.05 MI. · 39.45 MI. · 39.72 MI. · 39.82 MI.

SADDLE ROAD

Date Released
FEB. 2006 D.B.

Revised	
7/06	D.B.
9/07	D.B.

ROAD INVENTORY

HAWAII RTE 200
SADDLE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

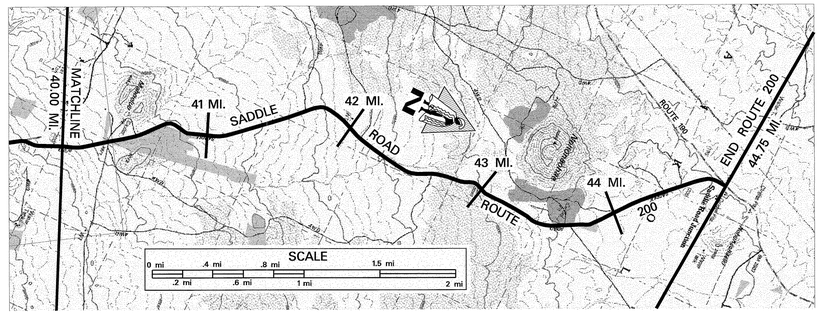
Total Route Length: 44.75 miles

a. Survey Length: 44.75 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed — SLAB 1957 HS-20 (40.84–42.39, 21′) — SLAB 1957 HS-20 (43.04–44.03, 39′)

Vertical Clearance

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 ON WOOD / WIRE ON WOOD (40.81–42.89) — WIRE ON WOOD (43.06–)

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) (42.89–43.06) — (JOB #5912) (44.03–)

Project No., Type of Construction, and Year Constructed

CONTINUED FROM SHEET #4

CULVERT · CULVERT · 51 MILEPOST BRIDGE · CULVERT · CULVERT · CULVERT · CULVERT · 53 MILEPOST BRIDGE

SADDLE ROAD

49 MP · 50 MP · 51 MP · 52 MP · 53 MP

40.10 MI. · 41.04 MI. · 41.67 MI. · 42.04 MI. · 42.29 MI. · 42.45 MI. · 42.88 MI. · 43.02 MI. · 43.04 MI. · 43.26 MI. · 43.94 MI. · 44.05 MI.

END RTE 200 ON SADDLE ROAD AT THE EAST EDGE OF PAVEMENT OF MAMALAHOA HWY (RTE 190) 44.75 MI.

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

Shoulder: Width and Type — 3′–6′ GRASS — (8′ DIRT) (43.77–43.96) — 3′–6′ GRASS

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 — (STEEL ON STEEL) (42.39–42.59)

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) (44.75–)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station — B71 0200 02706

HPMS Section

AADT (Year 2006) — 822

DOD Sections

Census Tracts

Functional Classification — MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 1 mile

Date Released
NOV. 05, D.B.
Revised
7/06 D.B.
8/07 D.B.

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

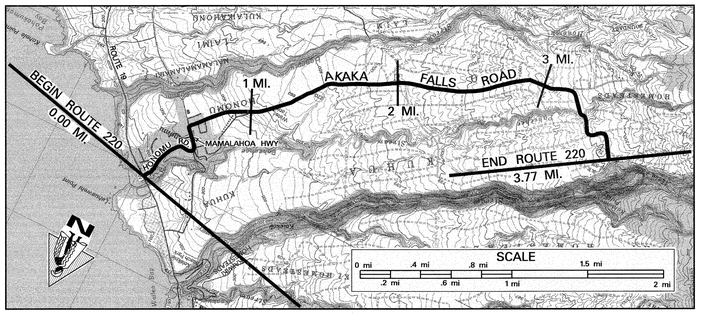
Total Route Length: 3.77 miles

a. Survey Length: 3.77 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

Maintenance Control Sections : Length and Description

END 220A SAME AS ROUTE | 220A (3.76 MI.) | BEG 220A SAME AS ROUTE

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: SLAB 1927 H10

Vertical Clearance: 27'

Horizontal Clearance: 14'

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 40'–50' (0.43) | 80' (0.01) | 40' (1.08) | 80'

Available Right of Way Width (Needs Study): RESIDENTIAL AREA (0.69) | 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

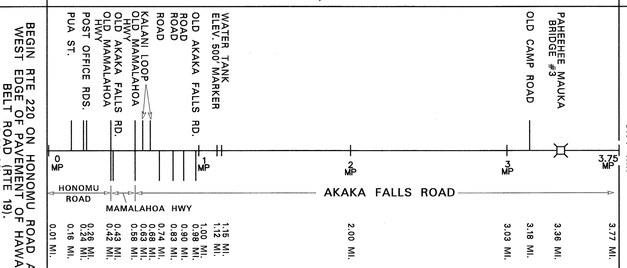
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE (STA 8+70)

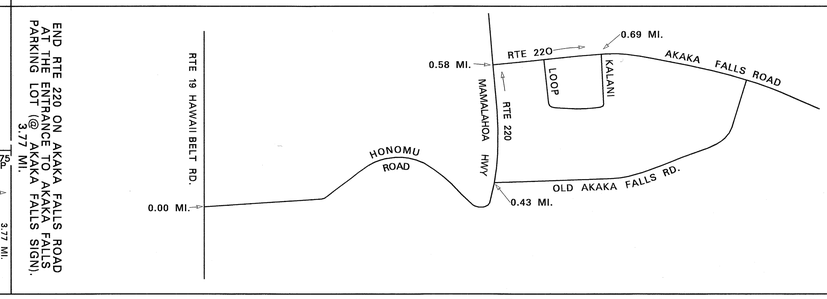
Project No., Type of Construction, and Year Constructed: STA 21+87.59 — 220A-01-03M RESURF 2005 (0.98) | 220A-01-02M, (R), 2004

Project No., Type of Construction, and Year Constructed: 220A-01-90M, 1990

Road Diagram

* MP = Milepost Signage





SCALE: (In Miles) 2" = 1 mile

0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

Divided Highway — Undivided

Shoulder: Width and Type: 4' AC (0.24) | 5' AC (0.26) | 4' AC (0.43) | 4' AC

Pavement: Width and Type: 22' AC | 24' AC (0.58) | 24' AC (3.21) | 22' AC

Shoulder: Width and Type: 4' AC | 4' GRASS (0.42) | 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' | 2–11' (0.42) | 2–12' (0.58) | 2–11' (3.21)

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 8' PARKING LANES (0.43)

(Right Side) (0.43)

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 ARE METAL ON METAL (0.35 | 0.39 | 0.47 | 0.55 | 0.59 | 0.98 | 3.01 | 3.21 | 3.39 | 3.49 | 3.69)

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 (1.20 | 3.14)

Speed: 1–Design, 2–Posted: 25 MPH (2) | (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

Traffic Station: B71 0220 00000 | B71 0220 00098 | B71 0220 00303

HPMS Section: 0.35 | 2.00 | 3.60

AADT (Year 2006): 1,800 | 1,800 (0.98) | 1,800 (3.03) | 1,800 (3.77)

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 | 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

SCALE: (In Miles) 2" = 1 mile

0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

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
HIGHWAYS PLANNING BRANCH

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

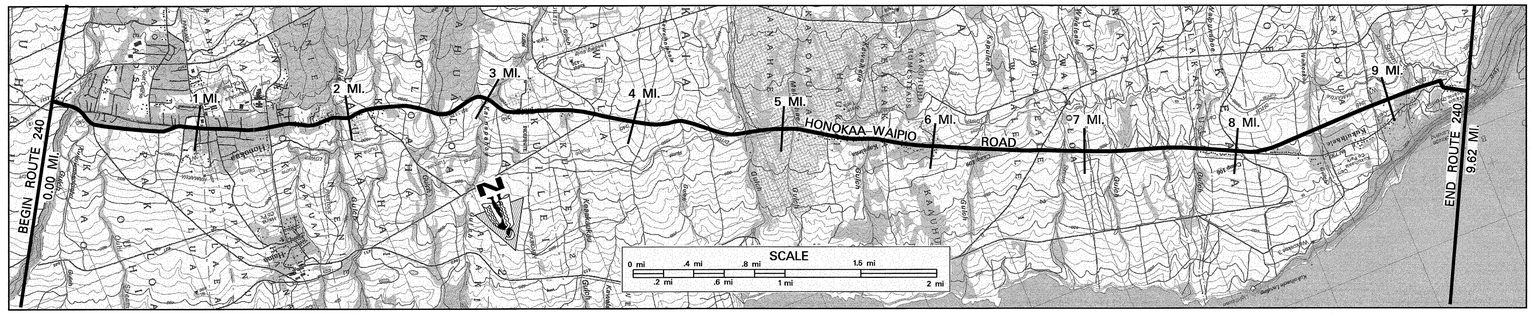
Total Route Length: 9.62 miles

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

END 240 A SAME AS BEGIN ROUTE | 240 A (9.62 MI.) | BEGIN 240 A SAME AS END ROUTE

Structure Carrying Road

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

CULVERT 1953, HS 20 — 27′ — 24′
TEE BEAM, 1967, HS 20 — 80′ — 28′
CULVERTS 1966, HS 20 — 24′ — 36′
51′ — 36′
PRESTRESSED CONCRETE GIRDER 1967, HS 20 — 154′ — 36′
206′ — 28′
PRESTRESSED CONCRTETE BEAM 1971 HS 20 – 1972 — 115′ — 36′
67′ — 36′
PRESTRESSED CONCREETE GIRDER 1979, HS 20–44 — 100′ — 36′

Vertical Clearance

0.21 | 4.81 | 5.01 | 5.55 | 6.84 | 7.73 | 9.17

Horizontal Clearance

Structure and Road

Vertical Clearance

Horizontal Clearance

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

80′–235′ | 40′–60′ | 80′–100′ | 80′–138′ | 80′–174′ | 80′–110′ | 80′–215′ | 90′ | 90′–130′ | 70′ (170′–200′)

Available Right of Way Width (Needs Study)

(1000' CLEAR 15'–20' FROM E.P.) | SUGAR CANE (L) RESIDENTIAL (R) | RESIDENTIAL / TOWN | 1000' CLEAR – SUGAR CANE 15'–20' FROM E.P. | RES. AREA | 1000' CLEAR – SUGAR CANE 15'–25' FROM E.P. | TREES & BUSHES | RESIDENTIAL AREA | 1000' CLEAR – SUGAR CANE 25' FROM E.P. | RESIDENTIAL AREA | RESIDENTIAL WITH SUGAR CANE ON SIDE | TREES & BUSHES | RES. AREA

Right of Way Fence: Type – Right and Left

(CHAINLINK FENCE)

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

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

STATE | COUNTY TO STATE PHASE 2 | STATE (COUNTY)

Project No., Type of Construction, and Year Constructed

240A–01–92M, RESURFACE, 1994

Project No., Type of Construction, and Year Constructed

STP–0100(31), 1994 | 240A–01–72, (R), 1972 | S–0240(3) UNIT 2, 1970 | S–0240(2), 1965 | S–0240(4), 1967 | 240A–01–67, 1970 | 240A–02–71, 1972 | 240A–01–71, UNIT 1, NEW CONSTRUCTION, 1979 | 240A–01–71, UNIT 2, NEW CONSTRUCTION, 1979

Road Diagram

* MP = Milepost Signage

BEGIN RTE 240 ON HONOKAA–WAIPIO RD AT THE NORTH EDGE OF PAVEMENT OF HAWAII BELT ROAD (RTE 19).

0.00 MI. — 0.03 MI. — 0.00 MI.

ROAD (R) — KAHAUPU BR. — KAHAUPU MILL ROAD — END DIVIDED — OHIA ST. MILL ROAD — OHIA ST. — 0.24 MI. — 0.23 MI.
KAHAUPU MILL RD. — 0.21 MI. — 0.21 MI.
KAHAUPU RD. — 0.17 MI. — 0.17 MI.
COUNTY OFFICE — 0.03 MI. — 0.03 MI.
ROAD, ST. — 0.00 MI. — 0.00 MI.
HUMA ST. RT. — 0.84 MI. — 0.84 MI.
MAILE ST. — 0.86 MI. — 0.86 MI.
KOANAKA PL. — 0.88 MI. — 0.88 MI.
PUUKAALO ST. — 0.98 MI. — 0.98 MI.
LEHUA PL. — 1.03 MI. — 1.03 MI.
CULVERT (L) — 1.06 MI. — 1.06 MI.
CULVERT — 1.10 MI. — 1.10 MI.
KALIHI ST. — 1.31 MI. — 1.31 MI.
CULVERT — 1.34 MI. — 1.34 MI.
CULVERT — 1.50 MI. — 1.50 MI.
NIENIE PL. (L) — 1.64 MI. — 1.59 MI.
NIENIE BR. — 1.79 MI. — 1.79 MI.
PAVED CANE-HAUL RD. — 2.01 MI. — 1.96 MI.
TRUCK CROSSING — 2.17 MI. — 2.17 MI.
TRUCK CROSSING — 2.34 MI. — 2.34 MI.
ROAD — 2.83 MI. — 2.83 MI.
ROAD — 3.01 MI. — 3.01 MI.
PAVED CANE-HAUL RD. — 3.37 MI. — 3.23 MI.
TRACTOR CROSSING — 3.73 MI. — 3.73 MI.
CULVERT — 4.08 MI. — 4.01 MI.
CULVERT — 4.81 MI. — 4.81 MI.
TRACTOR CROSSING — 4.87 MI. — 4.87 MI.
CULVERT — 5.18 MI. — 5.01 MI.
TRUCK CROSSING — 5.28 MI. — 5.28 MI.
ROAD — 5.37 MI. — 5.37 MI.
ROAD — 5.55 MI. — 5.55 MI.
KAWAIKALIA BR. — 5.67 MI. — 5.67 MI.
TRUCK CROSSING — 5.92 MI. — 5.85 MI.
ROAD — 6.05 MI. — 6.02 MI.
CULVERT — 6.16 MI. — 6.11 MI.
TRUCK CROSSING — 6.29 MI. — 6.29 MI.
CULVERT — 6.84 MI. — 6.76 MI.
TRACTOR CROSSING PAVED ROAD — 6.93 MI. — 6.84 MI.
WAIKALOA STR. BR. — 7.01 MI. — 7.01 MI.
TRACTOR CROSSING — 7.20 MI. — 7.20 MI.
CULVERT — 7.53 MI. — 7.50 MI.
TRUCK CROSSING — 7.73 MI. — 7.73 MI.
WAIPUNAHOE STR. BRIDGE — 8.11 MI. — 8.05 MI.
RDS. TO KAUMAILE PRIVATE RD. AFTER CAMP 106 (R) — 8.27 MI. — 8.07 MI.
ROAD (L) — 8.00 MI. — 8.00 MI.
CULVERT — 8.55 MI. — 8.55 MI.
TRACTOR CROSSING — 8.65 MI. — 8.50 MI.
MUD LANE (ROAD TO CEMETARY) — 8.81 MI. — 8.41 MI.
TRACTOR CROSSING — 9.03 MI. — 8.81 MI.
WAIULILI BRIDGE — 9.17 MI. — 8.94 MI.
TRACTOR CROSSING — 9.42 MI. — 9.36 MI.
OLD FAS 240 ANGLE POINT RD. — 9.47 MI. — 9.41 MI.
TRACTOR CROSSING — 9.62 MI. — 9.62 MI.

HONOKAA–WAIPIO ROAD

HONOKAA–WAIPIO RD.
MAMANE ST.

END RTE 240 ON HONOKAA–WAIPIO RD. AT THE CENTERLINE INTERSECTION WITH WAIPIO VALLEY LOOKOUT.
9.62 MI.

SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided

Shoulder: Width and Type

3′–6′ AC | 6′ AC | 7′ AC | 6′ AC

Pavement: Width and Type

24′ AC (43′ AC) | 40′ AC | 51′ AC | 40′ AC (62′ AC) | 24′ AC

Shoulder: Width and Type

3′–6′ AC | 0.94 | 6′ GRS. | 6′ AC | 7′ AC | 6′ AC

Median: Width and Type

(3′–6′ AC) | 0′ | (6′ GRV.) 0′

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

2–12′ | 2–12′ | 2–12′

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

(2–17.5′) | 2–17.5′ | 8′ PARKING LANE

(Right Side)

8′ PARKING LANE

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

Sidewalk: Width and Type (Right and Left)

(2–18′) | 3′–4′ CONC. SIDEWALK | (3′–4′ CONC. SIDEWALK)

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

CONC. CURB (L)&(R)

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

+7 | 0.13 | 0.42 | +1 | 0.73 | 3.62 | +2 | 3.83 | 3.89 | +4 | 4.08 | 4.27 | +2 | 4.44 | 4.57 | 5.88 | +1 | 6.00 | 6.07 | 6.05 | −1 | 6.66 | −2 | 6.85 | 7.85 | −2 | 8.00

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL

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

ROLLING | 1.98 | MOUNTAINOUS | 3.20 | ROLLING | 7.34 | MOUNTAINOUS

Speed: 1–Design, 2–Posted

55 MPH (2) | 0.94 | 25 MPH (2) | 1.97 | 45 MPH (2) (MIN. 30 MPH) | 3.19 | 3.34 | 45 MPH (2) | 5.79 | 35 MPH (2) | 6.05 | 45 MPH (2) | 7.72 | 35 MPH (2) | 8.16 | 45 MPH (2) | 9.17 | 35 MPH (2)

(35 MPH (2))

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

B71 0240 00000 | 0.50 | B71 0240 00086 | 1.40 | B71 0240 00150 | 3.00 | B71 0240 00323 | 4.30 | B71 0240 00501 | 5.54 | B71 0240 00602 | 6.84 | B71 0240 00773 | 7.74 | B71 0240 00811 | 9.16 | B71 0240 00917 | 9.45

HPMS Section

AADT (Year 2006)

4,200 | 0.86 | 5,200 | 1.50 | 2,600 | 3.23 | 2,000 | 5.01 | 2,000 | 6.02 | 2,000 | 7.73 | 2,000 | 8.11 | 2,000 | 9.17 | 2,000 | 9.62

DOD Sections

Census Tracts

Functional Classification

MAJOR COLLECTOR

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

240A–01–83M (R), 1983 | 0.93 | S–238(1), 1952,53 | 0.96 | 240A–01–72, 1972, (R) | 1.51 | 1.86 | 2.07 | S–0240(2) 1966 | 3.63 | S–0240(4) UNIT 2, 1966 | 5.67 | 240A–01–67, 1970 | 7.64 | COUNTY

49 + 84.44 | 0 + 00 | 29 + 00 | 527 + 09′ | 503 + 20′ | 497 + 21.56 | 418 + 00′ | 307 + 43.26′ | 203 + 42.40′

(S–0240(3) U–2, 1970) | (S–0240(3), UNIT 1, 1966)

SCALE: (In Miles) 2" = 1 mile

Date Released
OCT. 05, DB
Revised
7/06 DB

ROAD INVENTORY
HAWAII RTE 250
KOHALA MOUNTAIN ROAD

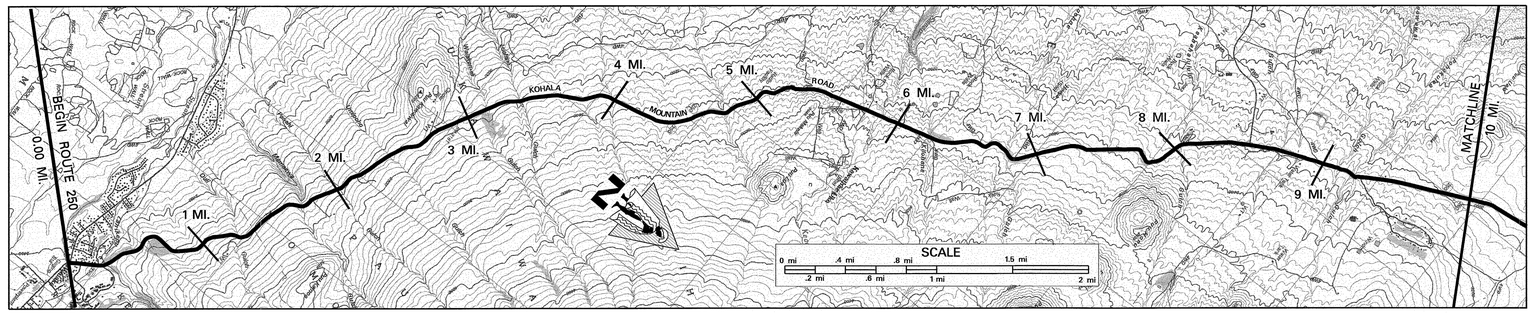
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 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.)

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

36' — 18'

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

(Stonewall) 60' (3.85) 80'–120' (4.44) 80'–130' (5.39) 80'–145' (5.86) 80' (6.97) Heavy Trees (7.45) Estimated 80'–140'

Available Right of Way Width (Needs Study)

Mountainous Ranch / Pastureland with Trees (5.25) 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

W/W 30' E.P. (1.42, 1.54) W/W 20' E.P. (2.40, 2.82) W/W 25' E.P. (2.79) W/W 50' E.P. W/W 16' E.P. W/W 20' E.P. (6.03, 6.93)

Wood (0.08, 0.18) Wire on Wooden Posts 10'-50' from Edge of Pavement (0.21, 0.25, 3.10, 3.28, 3.85, 4.00, 6.61)

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

None

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

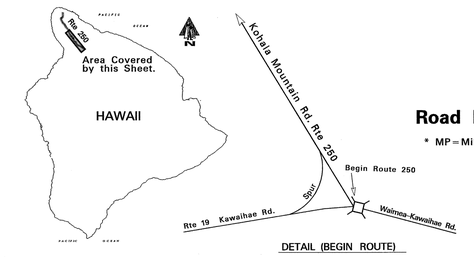
State

Project No., Type of Construction, and Year Constructed

(250A-01-91M (R) 1992) (3.85, 3.95)

250A-01-90M (R) 1991 — STP-0100 (31), 1994 Guardrail Improv. (6.40) — 250A-01-91M (R) 1992 (7.84) — 250A-01-92M (R) 1993

Project No., Type of Construction, and Year Constructed



Road Diagram

* MP=Milepost Signage

BEGIN ROUTE 250 ON KOHALA MOUNTAIN ROAD AT THE NORTHWEST EDGE OF PAVT OF KAWAIHAE RD. (RTE 19) (SEE DETAIL)

0.00 mi. Road — 0.29 0.00 mi. Lanikepu Estates Roads — 0.31 mi. Roads to Heavell Rd. — 0.72 mi. Spur to Kamehameha Academy — 0.08 mi. Kawaihae Rd. — 0.02 mi.

KOHALA MOUNTAIN ROAD

Culvert (0.43 mi.) — 3000' Elev. Sign (1.08 mi.) — Culvert (1.43 mi.) — Road to Com. Sta. (4.44 mi.) — Lookout (5.07 mi.) — Honokoa Bridge (5.35 mi.) — 3864' Crest (5.44 mi.) — Kawaihae Uka Bridge (5.90 mi.) — Culvert "Limit of North Kohala" sign (6.45 mi.) — Road to Kohala Ranch (6.82 mi.) — Kohua Ranch Road Culvert (7.45 mi.) — Culvert (8.24 mi.) — 3000' Elev. Sign (8.50 mi.) — Culvert (9.21 mi.)

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

6" Grs. (0.24) 2' AC (0.36) 2' AC / 4' Grs. (0.80) 2' AC / 8' Grs. (1.79) 2' AC / 2' Grs. (2.78) 2' AC / 2' Grs. (4' AC / 2' Grv.) (4.01) 6'–10" AC (4.40) 2' AC / 4' Grs. (5.34) 2' AC / 6' Grs. (8.71)

Pavement: Width and Type

20' AC (2.85) 18' AC (3.84) 24' AC (4.58) 18' AC (23' AC) (5.38) 25' AC (6.11) 20' AC (6.41) 18' AC (7.48) 20' AC (8.30)

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. (5.84) 2' AC / 2' Grs. (8.24)

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

2–10' (2.85) 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' (9.15) 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.

M/C M/C (5.67) M/C M/C (6.11) M/C (6.82) M/C (9.22)

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:

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

Traffic Station

B71 0250 00000 (0.08) B71 0250 00177 (5.32)

HPMS Section

AADT (Year 2006)

2,300 (1.77) 2,200

DOD Sections

Census Tracts

Functional Classification

Major Collector

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

250A-01-73, 1973 FAP E-11A 1932 (0.29, 3.85) (FAP E-11A, 1933) 776+09.30 570+00

250A-01-91M (R) 1992 (7.64)

(250A-01-72 (R), 1972) (5.83) 250A-01-75M, 1975 (6.39) S-239(1) 1954, 56 (4.54) 4.62 250A-01-75M, 1975 (5.35) (5.37) 5.85 S-0250 (1), 1956 6.40 439+06.82 (S-0250 (2), 1961) 468+50 593+37.97

250A-01-72 (R) 1972 (8.76) 250A-03-72 (R) 1972

SCALE: (In Miles) 2" = 1 mile

0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

Date Released
Nov. 2003, D.B.
Revised
7/06 D.B.

ROAD INVENTORY

HAWAII RTE. 250

KOHALA MOUNTAIN ROAD AND HAWI ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

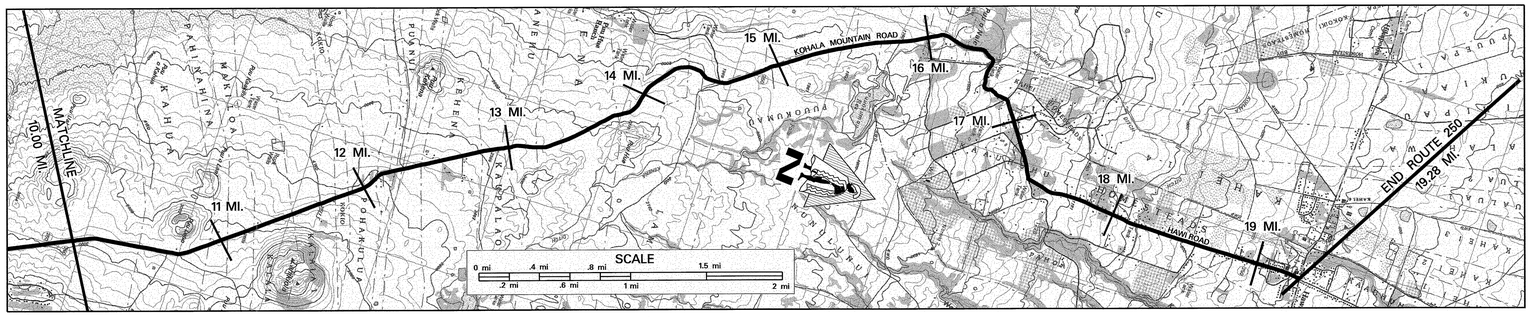
Total Route Length: 19.28 miles

a. Survey Length: 19.28 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

250A (19.23 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' | Estimated 80'–100'

Available Right of Way Width (Needs Study)

Mountainous, Pasture w/ 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

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

None

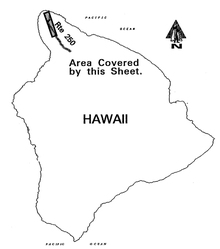
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)

State

Project No., Type of Construction, and Year Constructed

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

Project No., Type of Construction, and Year Constructed



Road Diagram

* MP=Milepost Signage

CONTINUED FROM SHEET #1

Culvert | Culvert Ranch Road | 2500' Elev. Sign | Driveway | Culvert | Paved Road | Rd. to FAA Station | Paved Road | Pu'u Mamo Drive | Kam. Preschool Ent. (L) | Keers Road (R) | Kawaihae Road (R) | Kynmersly Road | angle point | Paved Road | Kaauhuhu Road | Future Development | Paved Road | Paved Road | Paved Road (L)

KOHALA MOUNTAIN ROAD — HAWI ROAD

STA 298+60 | STA 118+50 | STA 121+50

10.50 mi. | 11.45 mi. | 11.67 mi. | 11.80 mi. | 12.48 mi. | 12.46 mi. | 12.65 mi. | 12.82 mi. | 13.45 mi. | 14.45 mi. | 14.59 mi. | 15.46 mi. | 16.17 mi. | 16.52 mi. | 16.45 mi. | 16.90 mi. | 16.84 mi. | 17.09 mi. | 17.29 mi. | 17.45 mi. | 17.38 mi. | 18.60 mi. | 18.52 mi. | 18.45 mi. | 18.87 mi. | 19.10 mi. | 19.28 mi.

END ROUTE 250 ON HAWI ROAD AT THE SOUTH EDGE OF PAVEMENT OF AKONI PULE HWY. (RTE 270)
19.28 MI.

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

2' AC/6' Grs. | 1' AC / 4' Grs. | 1' AC / 2' Grs. | 2' AC / 2' Grs. | 1' AC / 2' Grs. | 2' AC / 4' Grs. | 2' AC / 6' Grs. | 0 | 6" AC

20' AC | 22' AC | 20' AC

2' AC / 2' Grs. | 6' Grs. | 4' Grs. | 2' AC / 4' Grs. | 2' AC/ 2' Grs. | 2' Grass

(4' AC) | (15'–20' AC)

Number of Traffic Lanes

2–10' | 2–11' | 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.

M/C | M/C | 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:

Rural

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

Rolling (2)

Speed: 1–Design, 2–Posted

35 MPH | 25 MPH

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

B71 0250 00177 | B71 0250 01709 | B71 0250 01857

HPMS Section

AADT (Year 2006)

2,200 | 3,000 | 4,100

DOD Sections

Census Tracts

Functional Classification

Major Collector

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

250–01–86M, (Resurface) 1986 | 250A–01–86M, 1986 (R) | 250A–01–74, 1974 | (250A–01–73 1973) | (250A–03–72 (R) 1972) | 250A–01–89M (R) 1989 S239(1), 1956 | S-239(1), 1954 | 250A–01–72, 1972 County

SCALE: (In Miles) 2" = 1 mile

Date Released
Nov. 2003, D.B.
Revised
7/06 D.B.

ROAD INVENTORY
HAWAII RTE 270
KAWAIHAE ROAD–AKONI PULE HWY

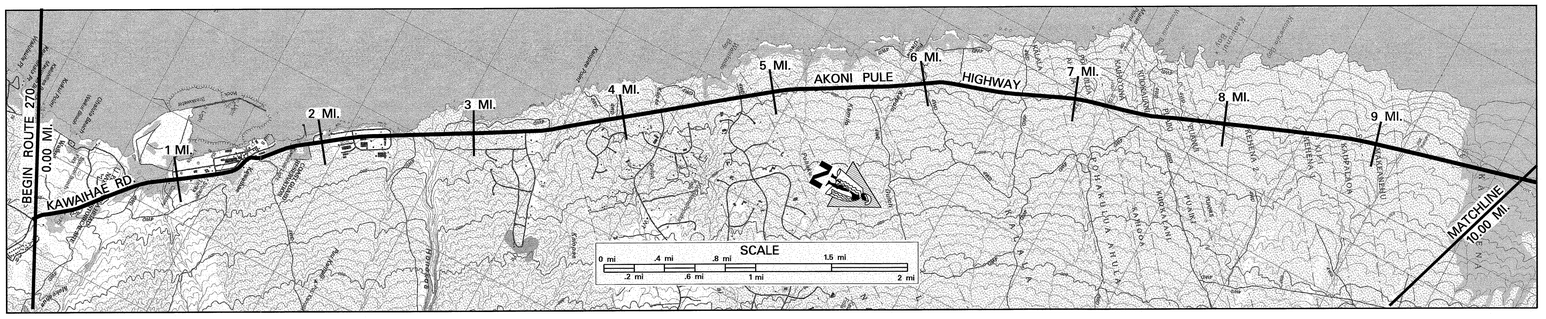
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 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

0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

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.)

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 1985, HS–20 165'

Vertical Clearance

28' | 40' | 40' | 28'

Horizontal Clearance

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 (NH-019-1(29), GUARDRAIL & SHLDR. IMPR., 2006)

(FLH-0270(17), INTER. IMP., 2006) | (19CD–01–97M, RESURF., 1999) | STP–0270(13), SHLDR. IMPRV. 1998 | 270A–01–99M, RESURF., 2001 (270A–01–99M, RESURF., 2001)

Project No., Type of Construction, and Year Constructed

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 NORTHWEST EDGE OF PAVT OF QUEEN KAAHUMANU HIGHWAY (RTE 19). 0.00 MI.

END DIVIDED HWY | BEGIN DIVIDED ROAD | END DIVIDED ROAD | PUUKOHOLA HEIAU | BEGIN DIVIDED | END DIVIDED | SPENCER PARK RD. | KAUHAUKOLE BRIDGE | MAKAHUNA BRIDGE | MAKEAHUA BRIDGE | ROAD TO HARBOR | KAWAIHAE BRIDGE | ROAD TO HARBOR | ROAD TO KAWAIHAE HARBOR | CULVERT | KAEWA PL. | HONOKOA BRIDGE | BEGIN DIVIDED | KALO O LO'O DR. | END DIVIDED | BEGIN DIVIDED | KAHALA "DISTRICT OF KOHALA" SIGN | HOKULELE DR. | THE SEA BY | END DIVIDED | BEGIN DIVIDED | ALA KAHUA | END DIVIDED | BEGIN DIVIDED | ROAD TO KOHALA RANCH | END DIVIDED | CULVERT | CULVERT | CULVERT | CULVERT | CULVERT | CULVERT | CULVERT | CULVERT | KAIHOLENA PLACE

68 + 00 | 87 + 50 | 56 + 00 | 61 + 52 | 81 + 28 | 47 + 00

KAWAIHAE ROAD | AKONI PULE HWY

0.10 MI. | 0.03 MI. | 0.19 MI. | 0.32 MI. | 0.27 MI. | 0.43 MI. | 0.53 MI. | 0.68 MI. | 0.74 MI. | 0.85 MI. | 0.97 MI. | 1.10 MI. | 1.25 MI. | 1.36 MI. | 1.42 MI. | 1.50 MI. | 1.72 MI. | 1.94 MI. | 2.08 MI. | 2.20 MI. | 2.30 MI. | 2.44 MI. | 2.64 MI. | 3.10 MI. | 3.19 MI. | 3.34 MI. | 3.66 MI. | 3.67 MI. | 3.84 MI. | 4.08 MI. | 4.13 MI. | 4.25 MI. | 4.49 MI. | 4.64 MI. | 4.77 MI. | 4.99 MI. | 5.10 MI. | 5.26 MI. | 6.10 MI. | 6.23 MI. | 6.55 MI. | 6.68 MI. | 6.94 MI. | 7.10 MI. | 7.61 MI. | 8.04 MI. | 8.10 MI. | 9.10 MI. | 9.19 MI. | 9.73 MI.

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 | 1'-1' AC | 22' AC | 11' AC | 22' AC | 22' BP | 24' AC | 14' AC | (24' AC) 12' AC (6' SEAL COAT) | 12' AC | 24' AC | 12' AC | 24' AC

Shoulder: Width and Type

(0) 7' AC | 0 | 6' AC | 0 | 7' AC | 5' CORAL | 6' SEAL COAT | 0 | 0 | 0 | 0 | 6' AC | 6' SEAL COAT

Median: Width and Type

(10' PAINTED AC) | 0'–15' PAINTED AC | 12' PAINT | 10' PAINT | 12' PAINT

Median Barriers:

Shoulder: Width and Type

(0) 0 | 0 | 0 | 0 | 0

Pavement: Width and Type

(11' AC) 1'-1' AC | 11' AC | 14' AC | 12' AC | 12' AC | 12' AC

Shoulder: Width and Type

(6' AC) 6' AC | 10' AC | 6' SEAL COAT | 6' SEAL COAT | 6' SEAL COAT

Number of Traffic Lanes

2–11' | 2–12'

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

11' LNS. | 10' T.L. | 12' T.Ls.

(Right Side)

1-10' (L) T.L.

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

M/M | M/M | 4 MV | 1 MV | 1 MV

Illumination: Type, Location and Number

#1 LPS

Curves: Degree of Curvature (Right and Left)

Grades: % Grade, Positive or Negative

0 | –1 | +6 | –2 | +1 | +1 | +2 | +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 | ROLLING (2)

Speed: 1–Design, 2–Posted

45 MPH (2) | 35 MPH (2) | (45 MPH (1)) | 40 MPH (1) | 55 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

B71 0270 00000 | B71 0270 00136 | B71 0270 00244

HPMS Section

0.22 | 1.71

AADT (Year 2006)

7,900 | 5,600 | 5,600

DOD Sections

Census Tracts

Functional Classification

PRINCIPAL ARTERIAL | MINOR ARTERIAL

National Highway System (NHS)

NHS | NONE

Previous Projects: Project No., Date and Limits

(270A–01–99M, RESURF., 2001) | 270A–01–99M, RESURF., 2001 | STP–0270(13), SHLDR. IMPRV. 1998 | 270A–01–96M, 1997, (R) | 270A–01–83M, RESURF., 1983 | 27A–01–88M, 1988, (R) | 270A–01–79, SHLDR. STAB. 1980 | WDRC 12(1), 1947 | 270A–01–72, 1972, (R) | WDRC 12(1), 1947 | A270–01–62, 1967, 68 | FAP 11 B, 1933 | S–0260(1), 1959 | FAP 110, 1937 | STA. 0 + 00 | STA. 22 + 00 | STA. 603 + 54.46 | (NHS–027–1(1), SAFTY IMPRV.)

SCALE: (In Miles) 2" = 1 mile

Date Released
SEPT 05, D.B.
Revised
7/06 D.B.
1/07 D.B.

ROAD INVENTORY

HAWAII RTE 270
AKONI PULE HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

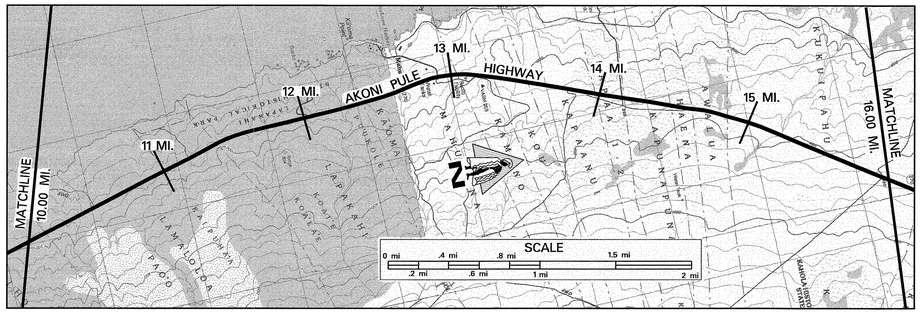
Total Route Length: 27.02 miles

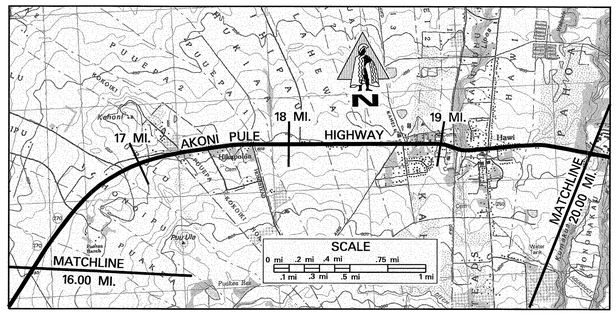
a. Survey Length: 27.02 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*





	SCALE: (In Miles) 2" = 1 mile
Maintenance Control Sections : Length and Description	270A (11.44 MI.) · END 270A – BEGIN 270B AT THE CENTERLINE OF ACCESS RD. TO MAHUKONA WHARF. · 270 B (14.10 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	80'–180' · 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	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 · STATE · COUNTY TO STATE PHASE 2
Project No., Type of Construction, and Year Constructed	
Project No., Type of Construction, and Year Constructed	270A–01–83M, RESURFACE, 1988 · 270B–01–69M, RESURFACE, 1997 · RS–STP–0270(11), RESURFACE, 1996

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #1

AKONI PULE HIGHWAY

CULVERT · CULVERT · CULVERT · CULVERT · CONCRETE DRIVEWAY · LAPAKAHI HISTORIC STATE PARK CULVERT · ACCESS ROAD TO MAHUKONA WHARF · CULVERT · TWIN CULVERT · PAVED ROAD · KAPAA PARK ROAD (L&R) · PAVED ROAD · T.C. PUAKEA BAY DR. (L) PAVED ROAD (DRIVEWAY) (R) · COAST GUARD STATION ROAD · KOKOIKI RD. ROAD · LINCOLN ROAD · UPOLU AIRPORT RD. · ROAD HUALUA ROAD · ROAD T.C. ROAD (L) & 21 MP · HAWI RD (R) & (L) · WATER SUPPLY RD. SUBSTATION ROAD

MP 12 · 13 · 14 · 15 · (R) 16 · (L) 16 · 17 · 18 · 19 · 20

10.15 MI. · 10.10 MI. · 10.01 MI. · 10.37 MI. · 10.65 MI. · 10.92 MI. · 11.11 MI. · 11.90 MI. · 12.04 MI. · 12.10 MI. · 12.94 MI. · 13.10 MI. · 13.45 MI. · 13.54 MI. · 13.80 MI. · 14.11 MI. · 14.15 MI. · 15.11 MI. · 15.95 MI. · 16.11 MI. · 16.48 MI. · 16.49 MI. · 16.90 MI. · 17.11 MI. · 17.32 MI. · 17.47 MI. · 17.78 MI. · 18.10 MI. · 18.12 MI. · 18.73 MI. · 18.77 MI. · 18.83 MI. · 19.12 MI. · 19.16 MI. · 19.33 MI. · 19.58 MI. · 19.62 MI. · 19.65 MI.

CONTINUED ON SHEET #3

	SCALE: (In Miles) 2" = 1 mile
Divided Highway, Undivided: Shoulder: Width and Type	6' SEAL COAT · 10' GRAVEL · 10' GRASS · 0 · 8' BP
Pavement: Width and Type	24' AC · 24' AC
Shoulder: Width and Type	6' SEAL COAT · 10' GRAVEL · 10' GRASS · 8' GRASS · 0 · 8' BP · 8' GRASS
Median: Width and Type	(6' GRASS) · (3' GRASS)
Median Barriers:	
Shoulder: Width and Type	
Pavement: Width and Type	
Shoulder: Width and Type	
Number of Traffic Lanes	2–12' · (2–14') 2–13 · 2–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	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 · 4' 6' BP S.W.
Curb and/or Gutter: Type (Right and Left)	4" (CURB (L & R))
Protective Devices: Type, Location and Number	ALL METAL ON METAL
Illumination: Type, Location and Number	1 M.V. · M.V.
Curves: Degree of Curvature (Right and Left)	
Grades: % Grade, Positive or Negative	–2 · –1 · –1 · –1 · +4 · –2 · +4 · –1 · +4 · +1 · +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)) · 45 MPH (2) · 35 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Station	B71 0270 00244 · B71 0270 01294 · B71 0270 01648 · B71 0270 01810 · B71 0270 01933
HPMS Section	
AADT (Year 2006)	5,600 · 5,300 · 5,300 · 5,500 · 5,900
DOD Sections	
Census Tracts	
Functional Classification	MINOR ARTERIAL · 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 · S-0270(7) 1972, 73 · S-0270(3), 1972 · S-203(2), 1951
	STA. (–)5+92.37 STA. 609.04 · STA. 147+90 · STA. 244+92.36 STA. 255+36.71
SCALE: (In Miles) 2" = 1 mile	

Date Released	
SEPT 05, D.B.	
Revised	
7/06	D.B.

ROAD INVENTORY

HAWAII RTE 270
AKONI PULE HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

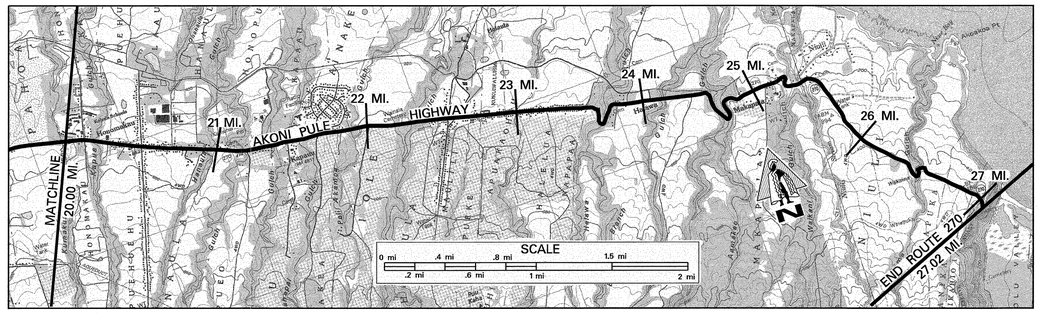
Total Route Length: 27.02 miles

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

270 B (14.10 MI.) — END 270 B SAME AS END RTE 270

Structure Carrying Road

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

TWIN ARCH CULVERTS 1980 | TEE BEAM 1919, ES–H10 | TEE BEAM 1918, ES–H10 | TEE BEAM 1918, ES–H10

Vertical Clearance

Horizontal Clearance

26′ | 160′ | 80′ | 22′ | 33′

36′ | 18′ | 18′ | 18′ | 18′

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

40′–100′

Available Right of Way (Needs Study)

1000′ CLEAR GRS. & TREES, 50′ FROM E.P. | RESIDENTIAL AREA | 1000′ CLEAR, BRUSH & GRASS 30′ FROM EDGE OF PAVEMENT — RESIDENTIAL DISTRICT

Right of Way Fence: Type – Right and Left

WIRE ON WOOD 50′ FROM E.P.
WIRE ON WOOD 50′ FROM E.P.

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

NONE

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

STATE

Project No., Type of Construction, and Year Constructed

RS–STP–0270(11), RESURFACE, 1996 — 270B–01–93M, RESURFACE, 1994

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #2

KOHALA HIGH SCHOOL RD. · PUEHUEHU PL. ROAD · KYNNERSLY RD. · HANAUULA AVE. (PRIVATE ROAD) · KEKOA LUHANE RD. · ELEV. 500′ SIGN · PAVED ROAD · KAMAKOA PARK (NOT PAVED) · NONAME PLACE · KOHALA HOSPITAL 2ND HOSPITAL ENT. · END DIVIDED · AINAKEA DR. · PAVED ROAD · ROADS (L&R) · ROAD (R) · CULVERT · CULVERT · AKANA PLACE CULVERT · PRATT ROAD · WALAOHIA BRIDGE · AAMAKOA BRIDGE · CAMP KOAPAKA CULVERT · AKONI PULE HWY · AKONI PULE HWY · NIULI BRIDGE · WAIKANE BRIDGE · BOX CULVERT

AKONI PULE HIGHWAY

END ROUTE 270 ON AKONI PULE HWY. AT THE ENTRANCE TO POLOLU VALLEY 27.02 MI.

20.12 MI. · 20.15 MI. · 20.29 MI. · 20.32 MI. · 20.53 MI. · 20.71 MI. · 20.81 MI. · 20.87 MI. · 20.99 MI. · 21.10 MI. · 21.22 MI. · 21.30 MI. · 21.38 MI. · 21.47 MI. · 21.59 MI. · 21.70 MI. · 21.79 MI. · 22.04 MI. · 22.10 MI. · 22.62 MI. · 23.02 MI. · 23.10 MI. · 23.67 MI. · 23.87 MI. · 23.93 MI. · 24.08 MI. · 24.15 MI. · 24.69 MI. · 25.04 MI. · 25.11 MI. · 25.36 MI. · 25.41 MI. · 25.45 MI. · 26.13 MI. · 26.50 MI. · 27.04 MI.

SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided

Shoulder: Width and Type

8′ BP | 10′ GRS. | 6′ GRS. | 8′ GRASS | 10′ GRASS | 4′ GRS. | 8′ GRS. | 6′ GRASS | 8′ GRS. | 4′ GRS. | 3′ GRASS | 5′ GRASS | 4′ GRASS (4′ GRASS)

Pavement: Width and Type

24′ AC | 24′ AC | 20′ AC

Shoulder: Width and Type

8′ GRS | 10′ GRASS | 10′ DIRT | 6′ GRASS | 8′ GRS | 6′ GRS | 6′ GRASS | 8′ BP | 6′ GRASS | 3′ GRS. | 4′ GRS. | 8′ GRS. | 6′ GRASS | 5′ GRS. | 4′ GRS. | 3′ AC | 3′ GRS. | 5′ GRASS | 4′ GRASS

Median: Width and Type

11′ PAINT

Median Barriers:

Shoulder: Width and Type

0

Pavement: Width and Type

12′ AC

Shoulder: Width and Type

6′ GRS

Number of Traffic Lanes

2–12′ | 3–12′ | 2–12′ | 2–11′ | 2–10′

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

(1–12′ PARK) | 11′ TLs | 12′ PARK

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

6′ BP SIDEWALK
6′ BP SIDEWALK

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

CURB
CURB
CURB

Protective Devices: Type, Location and Number

M/M | WOOD ON CONCRETE

Illumination: Type, Location and Number

MV | MV

Curves: Degree of Curvature (Right and Left)

Grades: % Grade, Positive or Negative

+1 | +3 | –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

Speed: 1–Design, 2–Posted

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

B71 0270 01933 | B71 0270 02099 | B71 0270 02170 | B71 0270 02257 | B71 0270 02545

HPMS Section

20.03 | 21.55 | 22.27 | 25.13 | 26.13

AADT (Year 2006)

5,900 | 5,700 | 4,400 | 2,600 | 600

DOD Sections

Census Tracts

Functional Classification

MAJOR COLLECTOR

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

270B–01–77M, (R), 1977 | (270B–01–77M, (R), 1977) | 270B–01–77M, (R), 1977

FAS–G–3260–01–60, 1961 — COUNTY — (HWY–H–02–70(X), (REHAB & RESURFACE), 1971) | (HWY–H–02–70(X), (REHAB & RESURFACE), 1971)

SCALE: (In Miles) 2" = 1 mile

Date Released
SEPT. 05, D.B.
Revised
7/06 D.B.

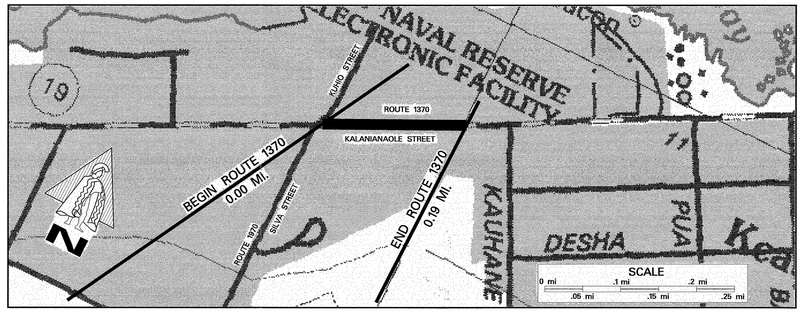
ROAD INVENTORY
HAWAII RTE 1370
KALANIANAOLE STREET

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Route Length: 0.19 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

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
0.03 | 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

0.00 MI. BEGIN ROUTE 1370 AT THE EAST EDGE OF PAVEMENT OF KUHIO STREET AND KALANIANAOLE STREET.

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

Divided Highway
- 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): 0.10 | 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 @ 0.0

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

Traffic Station: B71 1370 00000

HPMS Section: 0.09

AADT (Year 2006): 0.00 | 9,891 | 0.19

DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS): NHS

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 20" = 1 mile

0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

Date Released
MAR. 05, D.B.
Revised
7/06 D.B.

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

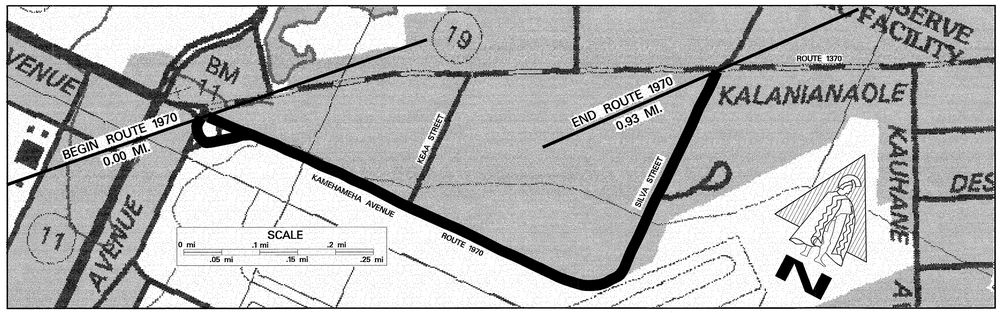
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 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

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
0.03 — Chain Link Fence, 10'–20' from Edge of Pavement — 0.98

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

0.00 MI. BEGIN ROUTE 1970 AT THE SOUTHEAST EDGE OF PAVEMENT OF TRAFFIC CIRCLE ON KAMEHAMEHA AVENUE

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. | 0.58 mi. | 0.75 mi.

0.93 MI. END ROUTE 1970 ON SILVA STREET AT THE SOUTH EDGE OF PAVEMENT OF KALANIANAOLE STREET ACROSS HILO HARBOR ENTRANCE.

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 | 0.08 | 2′ AC / 6′ Grass | 0.13 | 10′ AC | 0.20 | 2′ AC / 10′ Grass | 0.74 | 10′ AC
- Pavement: Width and Type: 10′ AC | 20′ AC
- Shoulder: Width and Type: 0 | 10′ Grass | 0.66 | 3′ AC | 0.69 | 10′ AC

Median: Width and Type: 50′ Raised Grass | 0.10

Undivided
- Shoulder: Width and Type: 0
- Pavement: Width and Type: 10′ AC
- Shoulder: Width and Type: 0 | 0.05 | 10′ Grass

Number of Traffic Lanes: 0.02 | 2–10′

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | 0.05

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number: 0.67 | Metal Rails on Metal Posts | 0.84

Illumination: Type, Location and Number: 0.88 | 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 | 0.11 | 35 MPH (2) | 0.28 | 35 MPH (2) | 25 MPH (2) | 0.66 | 0.75 | Not Posted | 25 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: B71 1970 00000 | B71 1970 00063

HPMS Section

AADT (Year 2006): 1,298 | 0.69 | 700

DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

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

Total Route Length: 6.97 miles
a. Survey Length: 6.97 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Maintenance Control Sections : Length and Description

0.58 Begin 2000E @ ℄ of Kanoelehua Ave. — 2000 E (1.62 MI.) — 2.18 End 2000E @ ℄ of Kamohana St.

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

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: Varies 50'–80' | 120'

Available Right of Way Width (Needs Study): Rock Walls & Chain Link — Residential Area (2.23)

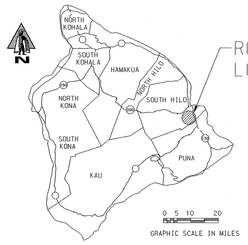
Right of Way Fence: Type – Right and Left: 0.29–0.35 Chain Link; 0.47–0.53 Chain Link; 0.75–0.80 Chain Link; 0.88–0.97 Rock Walls & Chain Link; 1.29–1.77 Rock Walls & Chain Link; 2.04–2.07 Various

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) — 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 WEST EDGE OF PAVEMENT OF RAILROAD AVENUE. 0.00 mi.

Ohuohu St. 0.28 mi. | Shopping Center (R) 0.38 mi. | Pilipaa St. (L) 0.45 mi. | End Divided 0.49 mi. | Kekeia St. 0.53 mi. | End Divided 0.56 mi. | Kanoelehua Ave 0.58 mi. | Kilauea Ave & End Divided Hwy 0.72 mi. | Kinoole St. 0.83 mi. | Maikai St. 0.93 mi. | Pamaia Pl. 1.00 mi. | Santos Ln. (L) 1.03 mi. | Lokehi St. (R) 1.10 mi. | Road 1.15 mi. | Nohea St. 1.21 mi. | Kanaulani St. 1.24 mi. | Roads to Inter. Sch. 1.29 mi. | Nanakea Street 1.34 mi. | Roads to Inter. Sch. 1.36 mi. | Anela St. 1.40 mi. | Kanoheki St. 1.50 mi. | Ivalani St. (L) 1.58 mi. | Kanilehua St. (R) 1.59 mi. | Kanoelani St. 1.68 mi. | Puhalulani St. 1.75 mi. | Kuhilani St. 1.85 mi. | Wainohia St. 1.96 mi. | Kapuilani St. 2.05 mi. | Malani St. 2.18 mi. | Puainako St. Extension (Barricaded) 2.23 mi. | Komohana St.

PUAINAKO ST. — KOMOHANA ST. — MP

STA 18G 0.56 mi. | STA 18E 0.72 mi. | STA 18Y 0.83 mi. | STA 18AA 1.58 mi. | STA 18Z 2.18 mi.

PUAINAKO STREET EXTENSION

Road 3.12 mi. | Road 4.33 mi. | Road 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 (0.38) | 12' AC | 36' AC | 50' AC | 24' AC (0.93) | 26' AC (2.23) | 24' AC
- Shoulder: Width and Type: 0 | (11' Raised Conc.) 4'–8' AC | 0 AC | 0 | 9' AC

Divided Highway – Divided
- Median: Width and Type: 42' Raised Grass (0.28) | 12' Painted AC (5' Painted AC) (0.46) | (0.48) | (0.58) | (0.68) | (26' Raised Grass) (12'–26' Painted AC)
- Median Barriers:
- Shoulder: Width and Type: 0 | (26' AC) 0
- 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' (0.82) | 2–13' (2.23) | 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): Grs. S.W. | 4' AC S.W. (0.58) (0.71) | 10' Conc. S.W. Conc. Curb | 6' Conc. S.W. Conc. Curb | 3.5' AC. S.W.

Curb and/or Gutter: Type (Right and Left): Conc. Curb | Bituminous Curb (2.18)

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number: 7 Sodium Vapor (0.57) | (0.91) 8 M.V., 5 Incandescent (2.00)

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) (0.86) | 35 MPH (2) (2.30) | 45 MPH (1)

Intersection Control Devices: Type, Location and Cycle Timing: (0.58) 4 Phase | 2 Phase (0.58)

Traffic Station: B71 2000 00000 (0.20) | B71 2000 00028 (0.48) | B71 2000 00056 (0.68) | B71 2000 00072 (0.92) | B71 2000 00100 (1.48) | B71 2000 00218 (3.22)

HPMS Section

AADT (Year 2006): 8,300 (0.28) | 8,300 (0.58) | 18,400 (0.72) | 10,200 (1.00) | 8,200 (2.18) | 100

DOD Sections

Census Tracts

Functional Classification: Major Collector

National Highway System (NHS): None

Previous Projects: Project No., Date and Limits: (S–18(1) 1948, 49) | 200E–01–77M, (R) 1977 (0.83) G–3221–01–62, 1962 (1.49)

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

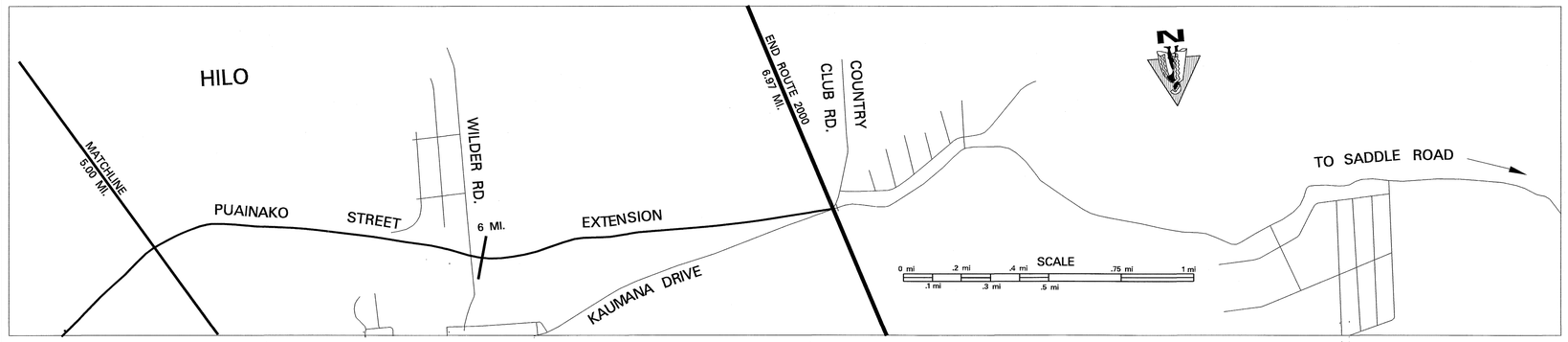
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 6.97 miles
a. Survey Length: 6.97 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

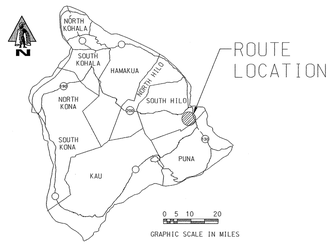
*



SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

Maintenance Control Sections : Length and Description				
Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed			
	Vertical Clearance			
	Horizontal Clearance			
Structure Over Road	Vertical Clearance			
	Horizontal Clearance			
Right of Way Width (min.–max.) if varies			120'	
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 Begin Divided

PUAINAKO STREET EXTENSION | (In-Service Nov. 04)

5.23 mi. | 5.51 mi. | 5.98 mi. | 6.87 mi. 6.80 mi.

END ROUTE 2000 ON PUAINAKO STREET EXTENSION AT THE CENTERLINE INTERSECTION WITH COUNTRY CLUB DRIVE.
6.97 mi.

SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

Divided Highway, Undivided	Shoulder: Width and Type		9' AC	
	Pavement: Width and Type		24' AC	12' AC
	Shoulder: Width and Type		9' AC	0
Divided Highway	Median: Width and Type			12' Painted AC
	Median Barriers:		6.80	
	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)			6.05 / 5.91 / 5.98	7.06 / 6.80 / (1–12' (L) TL)
	(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:			Urban	
Terrain: 1–Flat, 2–Rolling, 3–Mountainous			Rolling	
Speed: 1–Design, 2–Posted			45 MPH (1) / 5.98 / 35 MPH (1)	
Intersection Control Devices: Type, Location and Cycle Timing				
Traffic Station			B71 2000 00218	
HPMS Section				
AADT	(Year 2006)		100	7.12
DOD Sections				
Census Tracts				
Functional Classification			Major Collector	
National Highway System (NHS)			None	
Previous Projects: Project No., Date and Limits				

Date Released
Dec. 2003, DB

Revised	
Apr. 04	D.B.
July 04	D.B.
Sept 04	D.B.
May 06	G.N.