STATE ROUTE SYSTEM

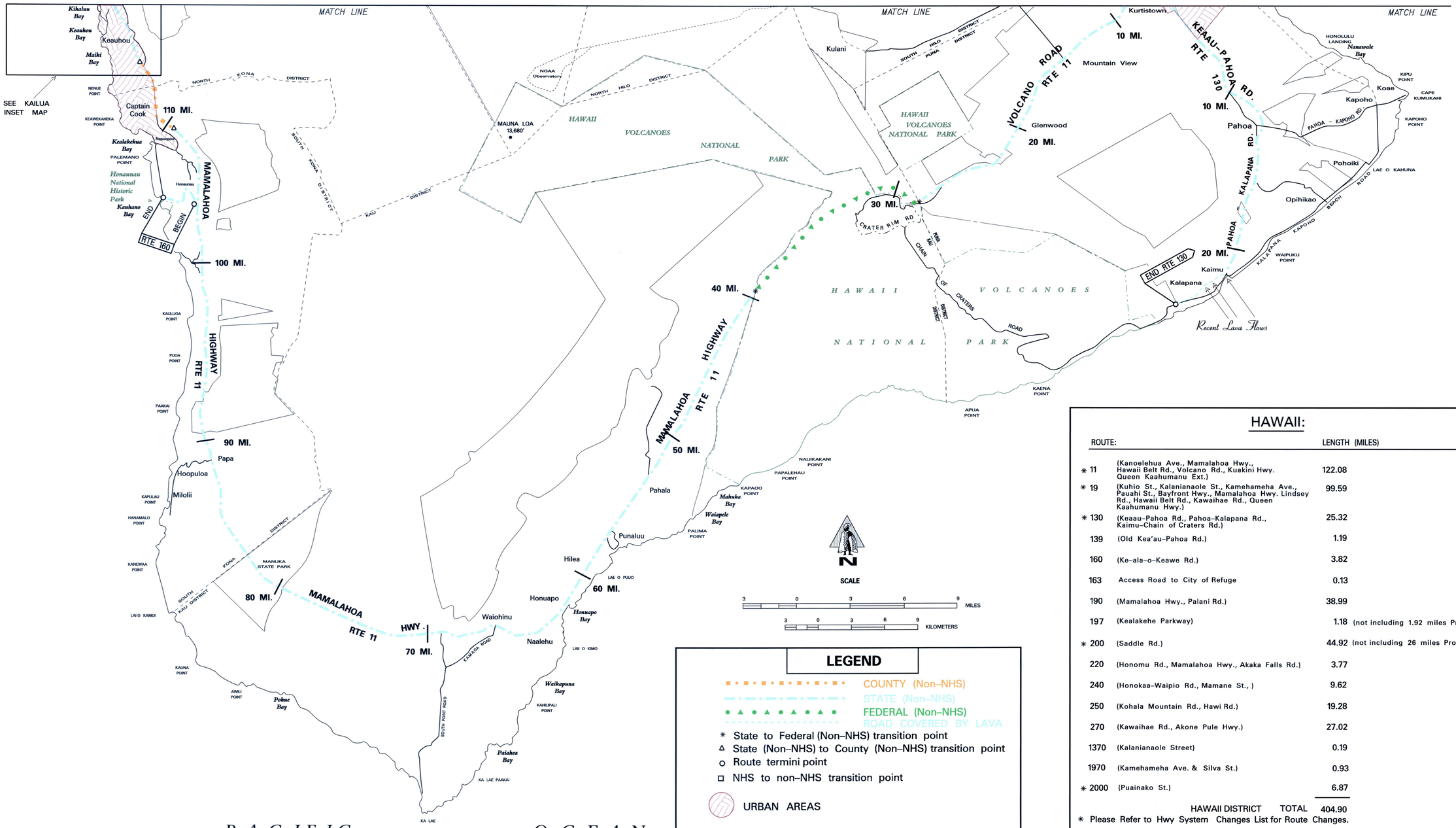
COUNTY OF HAWAII

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 2010



LEGEND

- COUNTY (Non–NHS)
- STATE (Non–NHS)
- FEDERAL (Non–NHS)
- ROAD COVERED BY LAVA
- ✳ State to Federal (Non–NHS) transition point
- △ State (Non–NHS) to County (Non–NHS) transition point
- ○ Route termini point
- □ NHS to non–NHS transition point
- URBAN AREAS

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.)	3.82	
163	Access Road to City of Refuge	0.13	
190	(Mamalahoa Hwy., Palani Rd.)	38.99	
197	(Kealakehe Parkway)	1.18	(not including 1.92 miles Proposed)
✳ 200	(Saddle Rd.)	44.92	(not including 26 miles Proposed)
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.)	6.87	
	HAWAII DISTRICT TOTAL	404.90	

✳ Please Refer to Hwy System Changes List for Route Changes.

Date Released
Dec 2002 JK
Revised
Feb 03 DB
May 04 DB
Jan. 07 DB
Feb 08 DB
April 09 DB
Feb 11 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.

1

STATE ROUTE SYSTEM

COUNTY OF HAWAII

ISLAND OF HAWAII

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

DECEMBER 2010

LEGEND

- STATE (NHS)
- STATE (Non–NHS)
- COUNTY (NHS)
- COUNTY (NON–NHS)
- WATER (NHS)
- PROPOSED
- State to County NHS transition point
- Route termini point
- NHS to non–NHS transition point
- State (Non–NHS) to County (Non–NHS) transition point
- URBAN AREA

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

N

PACIFIC OCEAN

Umiwai Bay · Holana Bay · Keokea Bay · Makukona Harbor · Waimanu Bay · Waipio Bay · Keawala Bay · Waiakailio Bay · Hapuna Bay · Puako Bay · Makaiwa Bay · Honokaope Bay · Anachoomalu Bay · Keawaiki Bay · Kiholo Bay · Kahoiawa Bay · Mahaiula Bay · Keahole Point · Honokohau Bay · Kailua Bay · Keahou Bay · Maihi Bay · Kaloko Bay · Maulua Bay · Hilo Bay · Puhi Bay · Mokihana Bay · Onomea Bay

UPOLU POINT · ALANAIHE POINT · UPOLU AIRPORT · KAUHOLA POINT · HAENA POINT · AKOAKOA POINT · Niulii · Pololu Valley · LAPAKAHI STATE PARK · MALAE POINT · KAMAKAMAKA POINT · MAHIKI POINT · KUMUKEHU POINT · MAKOLEA POINT · KEAHOLE AIRPORT · WAWAHWAA POINT · NOIO POINT · KEAHOLOU POINT · KAMOA POINT · WAILAULEA POINT · KAWA POINT · WAIMEA KOHALA AIRPORT · NAHIWA POINT · LAUPAHOEHOE POINT · PELEULI POINT · LEHUAWEHI POINT · PEPEEKEO POINT · HOKEO POINT · KEALOHA POINT · LELEWI POINT · KALOLI POINT · KINGS LANDING · GENERAL LYMAN FIELD

Hawi · Hikapoloa · Honomakau · Halaula · Mahukona · Kawaihae · Waimea · Waikoloa · Waikii · Pauuilo · Pauhau · Honokaa · Ookala · Laupahoehoe · Pepeekeo · Papaikou · Hilo · Keaau · Kailua

20 MI. 270 · 10 MI. · 70 MI. · 80 MI. · 90 MI. · 120 MI. · 10 MI. · 20 MI. · 30 MI. · 40 MI. · 50 MI. · 60 MI. · 10 MI. · 20 MI. · 30 MI. · 40 MI. · 10 MI. · 20 MI. · 30 MI. · 10 MI. · 20 MI.

RTE 250 · END RTE 250 · END RTE 270 · KOHALA MOUNTAIN ROAD RTE 250 · AKONI PULE HIGHWAY · BEG RTE 270 · BEG RTE 250 · KAWAIHAE ROAD · PROPOSED ROAD ROUTE 19 · Hapuna Beach State Park · BEG RTE 190 · MAMALAHOA HWY 190 · PROPOSED ROAD ROUTE 190 · SADDLE ROAD RTE 200 · END RTE 200 · KAAHUMANU HIGHWAY · QUEEN KAAHUMANU HWY 19 · HAWAII BELT ROAD RTE 190 · HAWAII BELT RD. RTE 19 · HONOKAA-WAIPIO ROAD RTE 240 · END RTE 240 · BEG RTE 240 · OLD RTE 200 · RTE 200 · SADDLE ROAD RTE 200 · RTE 220 BEGIN · RTE 220 END · BEG RTE 200 · RTE 2000 · BEG RTE 130 · BEG RTE 139 · RTE 197 · END RTE 197 · PAAHANA RD. RTE 190 · END RTE 190 · QUEEN K. EXTENSION · END RTE 19 · END RTE 11 · HUMLALAI RD. · KUAKINI HIGHWAY RTE 11 · ALII DR. · OLD MAMALAHOA HIGHWAY · PAUAHI RD. RTE 190

Stream · Hakalau · Kaloko

DISTRICT · HAMAKUA DISTRICT · NORTH KONA DISTRICT · SOUTH KOHALA DISTRICT · NORTH HILO DISTRICT · SOUTH KOHALA DISTRICT · HAMAKUA NORTH HILO DISTRICT

MUD LANE

MAUNA KEA 13,796

GAME MANAGEMENT AREA

FOREST AND GAME

Pohakuloa Military Training Area

SEE KAILUA INSET MAP

SEE HILO URBAN AREA MAP ON NEXT SHEET

MATCH LINE · MATCH LINE · MATCH LINE

KAILUA INSET

SCALE
1 0 1 MILES

Date Released
Dec 2002 JK
Revised
Feb 03 DB
May 04 DB
Mar. 08 DB
Feb. 09 DB
Jan., 10 DB
Feb. 11 DB

2

STATE ROUTE SYSTEM

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

DECEMBER 2010

HILO URBAN AREA

PACIFIC OCEAN

Hilo Bay

Hilo Harbor

Puhi Bay

Waiakea Pond

Waiakea Pond Game Refuge

Keaukaha Military Reservation

Panaewa Forest Reserve

Panaewa Zoo and Equestrian Center

General Lyman Field

Wainaku

Puueo

Piihonua

Kaumana

Keaukaha

Waiakea High School

Waiakea Elem. - Inter.

University of Hawaii (Hilo)

Hilo Municipal Golf Course

Banyan Golf Course

Coconut Island Park

Hilo Bayfront Highway

Hawaii Belt Rd. RTE 19

Waianuenue Ave.

Kaumana Dr.

Ponahawai St.

Mohouli St.

Kekuanaoa St.

Kawili St.

Komohana St.

Puainako St.

Kawailani Street

Haihai St.

Kapulau St.

Anaola Dr.

Iwalani St.

Kilauea Ave.

Kinoole St.

Kanoelehua Avenue

Prince Kuhio Plaza (Shopping Center)

Kaumana Cave

Kaumana Elementary School

Earnest B. Silva Elementary School

Hilo Hospital

Hilo High School

Carvalho Park

Akiona Park

James Kealoha Beach Park

Leleiwi Beach Park

Boiling Pots

Waiakea River

Wailuku River State Park

Rainbow Falls

Waiakea Stream

Pukihae Stream

Wailuku River

Stainback Highway

Volcano Road

Saddle Road RTE 200

BEG RTE 200

Route 200 Proposed Saddle Road

Country Club Drive

END RTE 2000

Puainako Street Extension

5 MI.

Route 2000

BEG Route 2000

BEG RTE 11

BEG RTE 19

RTE 1370

RTE 1970

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 — D.B.
May 04 — D.B.
Feb 08 — D.B.
Feb 11 — D.B.

3

ROAD INVENTORY

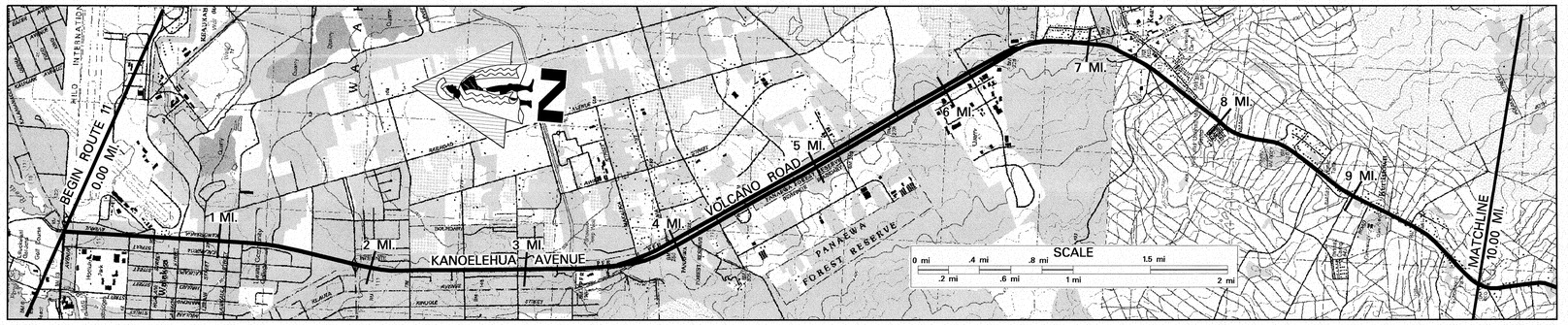
HAWAII RTE. 11
VOLCANO ROAD – KANOELEHUA AVE.

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 Above Other Than Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies
- 125' (1.41)
- 125' – 150' (1.89)
- 125' (2.95)
- 125' (3.24)
- 125' – 185' (7.46)
- 80'

Available Right of Way Width (Needs Study)
- (6' CHAINLINK 15'–25' FROM PAV'T) 0.44 – 0.54
- COMMERCIAL
- RESIDENTIAL AREA
- TREES, BRUSH
- RESIDENTIAL AREA, TREES

Right of Way Fence: Type – Right and Left
- CHAINLINK 8' FROM PAV'T 7.31 – 7.52

Control of Access: 1–None, 2–Partial, 3–Full
- PARTIAL (5.48)
- NONE

Jurisdiction, Transfer Phase No. and Date (C to S or S to C)
- C to S Phase I 0.58
- STATE

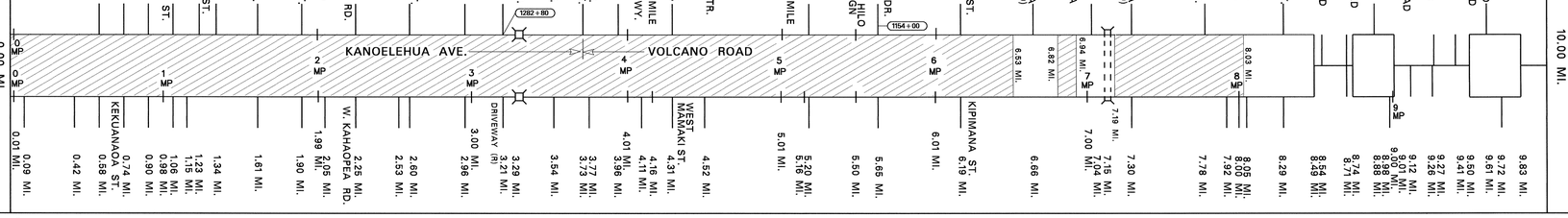
Project No., Type of Construction, and Year Constructed
- (HES-STP-011-2(20) 1999 IMPROVEMENTS) 0.70 – 0.76
- (2000E-01-00, IMPRV., 2004) 1.77
- 1277 + 75
- 1277 + 20
- 1299 + 00
- 1112 + 00
- 11N–01–07M, PREVENTIVE MAINTENANCE, 2010
- (STP-011-2(29), RESURFACE, 1996) 8.88
- 11MN–01–93M RESURFACE STA 1001+00 → STA 1051+00 11M–01–00 Inter. Improve 8.93
- NH–011–2(24) 1999 WIDENING
- NH–011–2(33) 1999 RESURFACE 2.80
- (NH–019–1(37), GRD RAIL & SHLDR IMP., 2009) 3.32 – 3.40
- NH–011–2(33) 1999 RESURFACE 6.40
- F–011–2(17) WIDENING 1987
- 1993
- 2005

Project No., Type of Construction, and Year Constructed

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

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



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. 0.57 – 0'
- 9'–11' AC BIKELANE/SHOULDER

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'

Median: Width and Type
- GRASS MEDIAN varies to 26'
- 36'–60' TREES AND BUSHES
- 0'–20' AC
- 18' GRS
- 6'–18' AC
- 4" AC RAISED MED.
- 18' GRASS
- 0'–18' PAINT
- 0'–6' 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 6.61
- M/M 6.65

Shoulder: Width and Type
- 33' AC
- 24' AC
- 0'–2' AC
- 0'
- 0'
- 12' AC
- 12' AC
- 12' AC

Pavement: Width and Type

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' / 3 – 11'
- 4 – 12'
- 1 – 12' / 2 – 12' / 3 – 12'
- 4 – 12'
- 1 – 12' / 2 – 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'
- 7–11' (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
- 2.5' 2 DOWNGRADE CURB AND GUTTER
- CURB
- 9.65 AC CURB

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

Illumination: Type, Location and Number
- 33 M.V.
- 12 LPS (Low Pressure Sodium)

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
- SMALL 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

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

Traffic Stations (Current Year)

B71 0011 00000	B71 0011 00058	B71 0011 00225	B71 0011 00296	B71 0011 00321	B71 0011 00377	B71 0011 00565	B71 0011 00619	B71 0011 00730	B71 0011 00778	B71 0011 00829	B71 0011 00972
HPMS Sections – AADT 2009	23,785	33,402	32,607	32,607	32,542	38,951	38,951	24,978	14,669	14,669	14,669	12,094
HPMS Sections – AADT 2008	23,738	33,335	32,542	32,542	32,607	38,873	38,873	24,928	14,640	14,640	14,640	12,070
HPMS Sections – AADT 2007	24,240	34,040	33,230	33,230	33,230	39,695		25,455	14,950	14,950	14,950	12,325

DOD Sections

Census Tracts

Functional Classification
- PRINCIPAL ARTERIAL (3)
- MINOR ARTERIAL (4)

National Highway System (NHS)
- ON NHS (1)
- NOT ON NHS (0)

Previous Projects: Project No., Date and Limits
- NH–011–2(33), RESURFACE 1999
- (2000E-01-00, IMPRV., 2004) 1.77
- 2.05
- 3.30
- 11N–01–91M 1992 RESURFACE 8 LANES
- (11M–01–82M (R) 1982)
- NH–011–2(24) 1999 WIDENING
- 11MN–01–77M 1977 RESURFACE
- 11NP–01–80M 1980 RESURFACE
- F–04–2(9) INBOUND 1962
- 11MN–01–81M 1981 RESURFACE
- F–2(4) WDR 11(2) 1950
- F–011–2(9) INBOUND 1961
- 11M–01–71 1971
- F–RF–011–2(13) 1977
- F–011 OUTBOUND
- 11P–01–70 1971
- F–011–2(2) 1960
- F–2(3) 1949
- F–2(4) 1948

SCALE: (In Miles) 2" = 1 mile

Date Released
Dec 2004 GN

Revised	
5/06	G.N.
9/10	D.B.
2/11	D.B.

ROAD INVENTORY

HAWAII 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

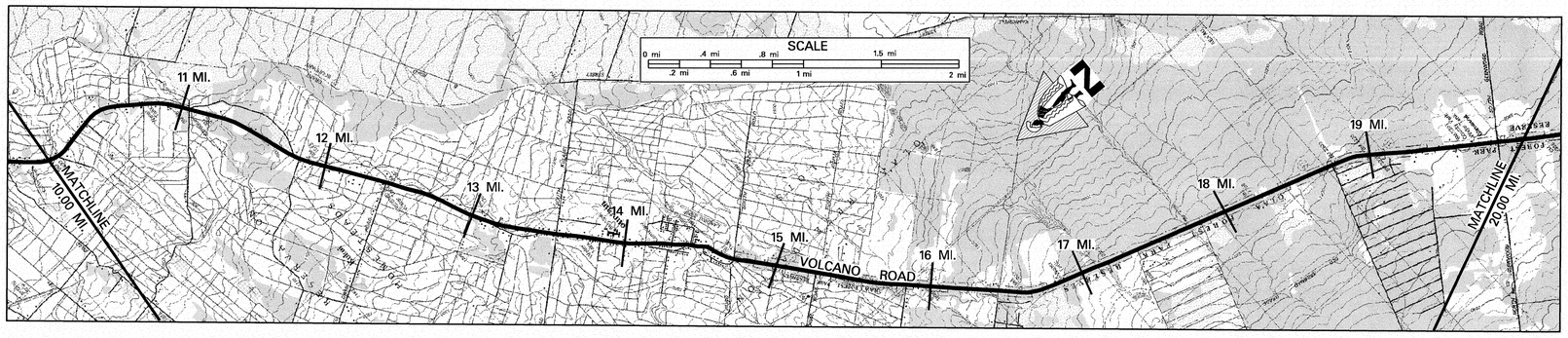
Total Route Length: 122.09 miles

a. Survey Length: 122.09 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

Structure Carrying Road

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

Structure Over Carried Highway

- **Vertical Clearance**
- **Horizontal Clearance**

CULVERT, 1966, HS–20
42' | 55' | 43'
18.68 | 18.36 | 19.24
44' | 44' | 44'

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

80' | 80'–144' | 80'–125' | 90'–110'

Available Right of Way Width (Needs Study)

RESIDENTIAL AREA, TREES | LARGE TREES & BRUSH

Right of Way Fence: Type – Right and Left

WIRE 15' F.P. 11.08 11.09
C.L. 10' F.P. 10.73 10.84
C.L. 10' F.P. 11.33 11.43
S.W. 15' F.P. 11.52 11.65
C.L. 20' F.P. 12.33 12.40
C.L., WIRE 10' F.P. 12.27

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

NONE

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

STATE

Project No., Type of Construction, and Year Constructed

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

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #1

PAVED ROAD HALE PULE LP. 10.06 MI. 10.01 MI.
HALEKUA ROAD HAWELU ROAD 10.35 MI. 10.34 MI.
END DIVIDED KUAKINI HWY. HALE PULE LP. BEGIN DIVIDED 10.73 MI. 10.58 MI. 10.56 MI.
ALA LP. N. ALA RD. 11.04 MI. 11.00 MI.
KUALONO PLACE 11.27 MI.
ROAD ALA LP. 11.82 MI. 11.78 MI.
AHUAHU PL. 12.01 MI.
KUKUI CAMP RD. 12.40 MI.
ENOS ROAD 13.15 MI. 13.02 MI. 12.99 MI.
PAVED ROAD POWER SUBSTATION 13.15 MI. 13.02 MI. 12.99 MI.
PAVED RD. S. KULANI RD. 13.45 MI.
ROADS TO MT. VIEW ELEMENTARY SCHOOL 13.56 MI.
S. LAUKO RD. N. LAUKO RD. 13.91 MI. 13.85 MI.
ROAD OLD VOLCANO ROAD 14.13 MI.
S. PEZYK RD. N. PEZYK RD. 14.51 MI. 14.39 MI. 14.73 MI. 14.72 MI.
CULVERT 14.85 MI.
VOLCANO ROAD
SOUTH KOPUA RD. NORTH KOPUA RD. CANNEY RD. CULVERT 15.01 MI. 15.29 MI. 15.26 MI. 15.41 MI. 15.56 MI. 15.52 MI.
N. PECK RD. 15.85 MI. 16.01 MI.
OSHIRO RD. 16.45 MI.
GLENWOOD CITY TRANSFER STA. 16.92 MI. 17.02 MI.
MAUNAKEA RD. 17.40 MI.
ALOHA ESTATES 17.85 MI.
TRIPLE PIPE CULVERT DOUBLE PIPE CULVERT 18.01 MI. 18.39 MI. 18.48 MI.
LEHUANANI ST. 18.77 MI.
DOUBLE PIPE CULVERT 19.02 MI. 19.24 MI.
CULVERT 19.36 MI.
GLENWOOD STATE PARK TRANSFER STA. CASE 19.67 MI.
S. GLENWOOD RD. N. GLENWOOD RD. 19.85 MI.

CONTINUED ON SHEET #3

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

- **Shoulder: Width and Type** — 8'–10' AC | 10'–12' AC B. L. / SHLDR. | 8'–10' AC
- **Pavement: Width and Type** — 24' AC (12' AC, 0) | 24' AC
- **Shoulder: Width and Type** — 8'–10' AC | 10'–12' AC B. L. / SHLDR. | 8'–10' AC
- **Median: Width and Type** — (11' PAINTED AC) | 10.56 | 10.73
- **Median Barriers:** — 0
- **Shoulder: Width and Type** — 12' AC | (8'–10' AC)
- **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) — 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) — 10.73 10.84 AC CURB | 12.76 13.14 AC CURB 13.32

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number — FROM 6.71 MI. 33 MV 10.65 | LOW PRESSURE SODIUM 11.79 | LOW PRESSURE SODIUM 13.20 13.30 13.55 | 11 MV 14.02 14.36 14.32 | M/M 14.71 14.64 14.92 14.87 14.72 14.70 14.88 14.86 | M/M 15.40 15.24 15.51 15.42 15.36 15.27 | M/M 15.68 15.73 15.69 16.02 16.08 16.00 16.98 16.91 | M/M 17.16 17.18 17.15 | M/M 17.73 17.76 | M/M 18.33 18.27 18.32 | M/M 18.81 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

Speed: 1–Design, 2–Posted — 45 MPH (2), MINIMUM 30 MPH 11.05 11.06 | 55 MPH (2) MINIMUM 40 MPH 13.44 | 45 MPH (2) 14.60 | 55 MPH (2), MINIMUM 40 MPH

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year) — B71 0011 00972 | B71 0011 01127 | B71 0011 01356 | B71 0011 01472

HPMS Sections – AADT 2009 — 12,094 | 12,094 | 12,094 | 6,300

HPMS Sections – AADT 2008 — 12,070 | 12,070 | 12,070 | 6,000

HPMS Sections – AADT 2007 — 12,325 | 12,325 | 12,325 | 5,960

DOD Sections

Census Tracts

Functional Classification — MINOR ARTERIAL (4)

National Highway System (NHS) — NOT ON NHS (0)

Previous Projects: Project No., Date and Limits

(F–2(4) WOR 11(2) 1950) 10.05
STP–011–2(29), RESURFACE, 1996
11M–01–82M (RESURFACE), 1982
16.53
16.44
11M–01–71, 1971
F–2(4) 1948
14.13
14.92
15.79
F–2(6), 1951
F–0112(5), 1970
16.53
16.48
F–011–2(5), 1970
F–011–2(5), 1967
19.85 (S–0144(1), 1958)

SCALE: (In Miles) 2" = 1 mile

Date Released
JUNE 05, D.B.

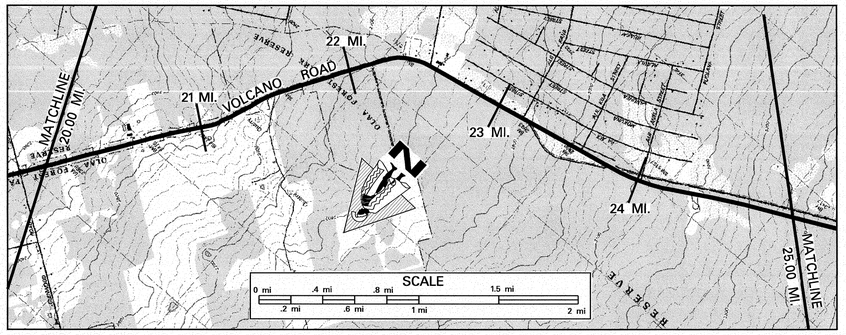
Revised	
5/06	G.N.
9/10	D.B.
2/11	D.B.

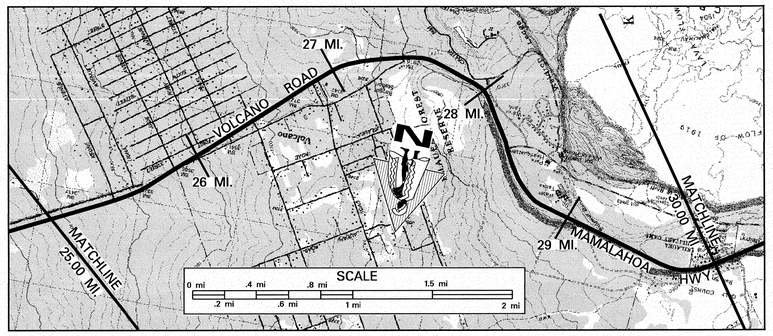
ROAD INVENTORY
HAWAII RTE 11
VOLCANO RD., MAMALAHOA HWY.

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
*





SCALE: (In Miles) 2" = 1 mile

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. 28.46 | 11K (2.62 MI.)

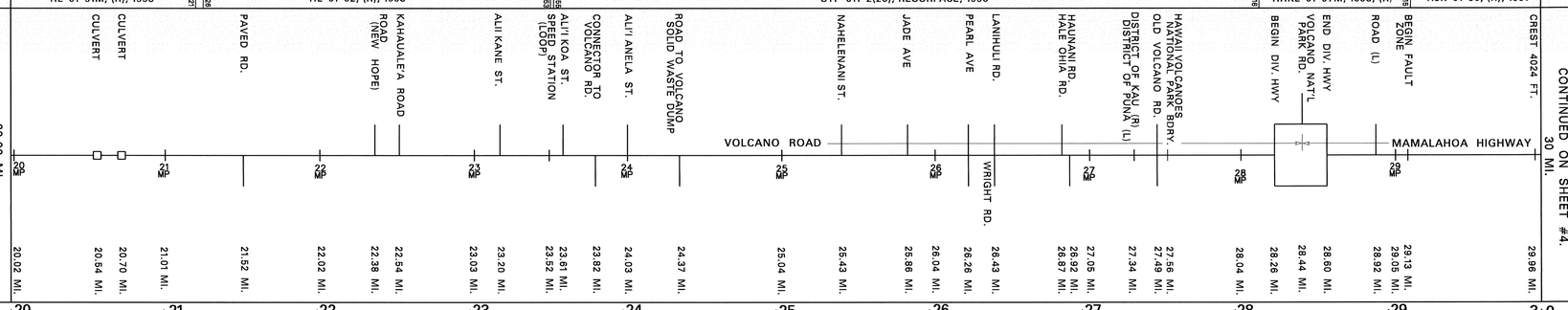
Structure Carrying Road
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Vertical Clearance
- Horizontal Clearance

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: 90'–110' (20.60) | 80' (23.54) | 50' | 80' (26.89)
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) 21.26–21.27 | (F-011-2(11), 1974) 23.53–23.58 | (11K–01–03M, (R),2009) 28.22–28.76 | 11K–01–03M, (R),2009 28.76–29.15
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



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 & AC (28.71) | 2'–4' AC
- 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) (28.32–28.50, 28.44–28.56)
(Right Side) (28.32–28.56: 12' & 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 (28.50–28.70) | METAL RAILS ON CONCRETE POSTS (28.26–29.39)
Illumination: Type, Location and Number: LOW PRESSURE SODIUM (22.20–23.38) | LOW PRESSURE SODIUM | LOW PRESSURE SODIUM (25.83) | 2 LOW PRESSURE SODIUM (28.42–28.57)
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 (26.87) | ROLLING (23.66)
Speed: 1–Design, 2–Posted: 55 MPH (2), MINIMUM 40 MPH
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year): B71 0011 01472 | B71 0011 02643 | B71 0011 02756 | B71 0011 02844
HPMS Sections – AADT 2009: 6,300 | 3,469 (26.43) | 3,469 | 2,581 (28.44)
HPMS Sections – AADT 2008: 6,000 | 3,462 (27.56) | 3,462 | 2,576
HPMS Sections – AADT 2007: 5,960 | 3,535 (26.42) | 2,630 (28.42)
DOD Sections
Census Tracts: CT 210 (27.56) | CT 212
Functional Classification: MINOR ARTERIAL (4)
National Highway System (NHS): NOT ON NHS (0)
Previous Projects: Project No., Date and Limits:
S-0144(1), 1958 21.21–21.26; F-011-2(5), 1967 20.60; S-0144(1), 1956; 11L–01–76M, (R), 1977 23.53–23.58 STA. 313+70.08–STA. 213+03.49; F-011-2(11), 1974; F-011-2(11), 1973; (1IJK-01-84M, 1985, RESURFACE) (FLH-011-2(18), (INT. IMPRV.), 1987) 28.18–29.96; 11KL–01–78M & PMS-0100(11) UNIT 1, RESURFACE, 1978 27.51–27.53; S-0144(2), 1961 28.06; NPH-3A, 1962 28.56–29.98; NPH-5A; (NPH-3A, 1962) STA. 102+79.45–STA. 184+28.90; STA. 157+00–STA. 132+20

SCALE: (In Miles) 2" = 1 mile

Date Released
JUNE 05, D.B.

Revised	
6/06	D.B.
9/10	D.B.
2/11	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

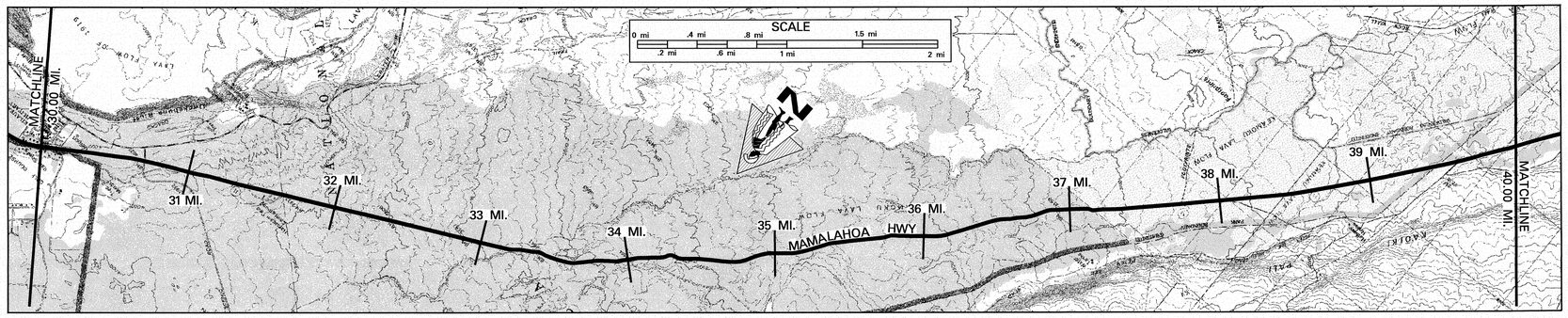
Total Route Length: 122.09 miles

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.) | END 11J BEGIN 11K ON MAMALAHOA HWY 1674' SOUTH OF CENTERLINE CRATER RIM RD./ BIRD PARK RD. AT THE CONTOL SECTION MARKER 31.50 | 11J (8.45 MI.) | END 11H – BEGIN 11J ON MAMALAHOA HWY 63' SOUTH OF HAWAII NATIONAL PARK BDRY. AT THE CONTROL SECTION MARKER 39.45 | 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' | 38.14 100' 38.34 | 80'

Available Right of Way Width (Needs Study): LARGE TREES AND BRUSH | 32.57 BUSHES & TREES IN LAVA ROCK

Right of Way Fence: Type – Right and Left: (WIRE ON WOOD 15' FROM PAVEMENT L&R) 39.76

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): FEDERAL (STATE MAINTAINED) 39.47 STATE

Project No., Type of Construction, and Year Constructed: 11K–01–03M (R), 2009 30.65 | (STP–0100(31), 1994, G.R. IMPRV.) 38.14 38.90

Project No., Type of Construction, and Year Constructed: 11JK–01–90M, (R), 1991 30.65 | FLH–011–2(27), RESURFACE, 1998 33.28 | STP–011–2(28), RESURFACE, 1995 37.07 | 11JK–01–90M, (R), 1991 39.20 | (11H–01–80M, (R), 1980)

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #3 — 30.00 MI.

MAMALAHOA HIGHWAY

KILAUEA MIL. CAMP 30.05 MI. 30.15 MI. | PIT MAUNA DR. | CRATER RIM RD. 30.74 MI. | MAUNA LOA RD. | END FAULT ZONE 30.95 MI. 31.03 MI. | NAMAKANI PAIO CAMPGROUND 31.44 MI. | PAVED ROAD 33.03 MI. 34.05 MI. 34.05 MI. | ECR TO FOOTPRINTS (KAU DESERT TRAIL HEAD) 36.02 MI. 37.01 MI. 37.77 MI. 37.76 MI. | PAVED RD. 38.01 MI. 38.66 MI. | HAWAII VOLCANOES NAT'L PARK BDRY. 39.00 MI. 39.47 MI. | PAVED RD. 39.61 MI. 40.00 MI.

CONTINUED ON SHEET #5 — 40.00 MI.

SCALE: (In Miles) 2" = 1 mile

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

Divided Highway – Undivided

Shoulder: Width and Type: 2'–4' AC 30.59 | 6' AC | 37.11 2'–4' AC

Pavement: Width and Type: 24' AC 37.08 | 22' AC 39.55 | 24' AC

Shoulder: Width and Type: 2'–4' AC 30.59 | 5'–7' AC | 3' AC 39.32 | 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' | 39.55 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

31.12 31.20 31.30 | 31.56 31.78 31.82 | 32.01 32.05 32.12 32.25 32.41 32.44 32.65 32.82 32.84 32.86 32.94 33.06 33.10 33.16 33.19 33.23 33.28 33.51 33.57 | 34.39 34.50 34.55 34.59 34.63 34.77 34.82 34.94 35.11 35.12 35.22 | 38.76 38.77 38.82 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 | 37.10 37.26 55 MPH (2), 40 MINIMUM

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0011 02844 | B71 0011 03074 | B71 0011 03713 | B71 0011 03947

HPMS Sections AADT 2009: 2,581 30.74 | 2,085 | 2,085 | 2,085

HPMS Sections AADT 2008: 2,576 | 2,081 37.19 | 2,081 39.47 | 2,081

HPMS Sections AADT 2007: 2,630 30.73 | 2,125

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4)

National Highway System (NHS): NOT ON NHS (0)

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

30.13–(11JK–01–84M, 1985, RESURFACE) (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.
9/10	D.B.
2/11	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

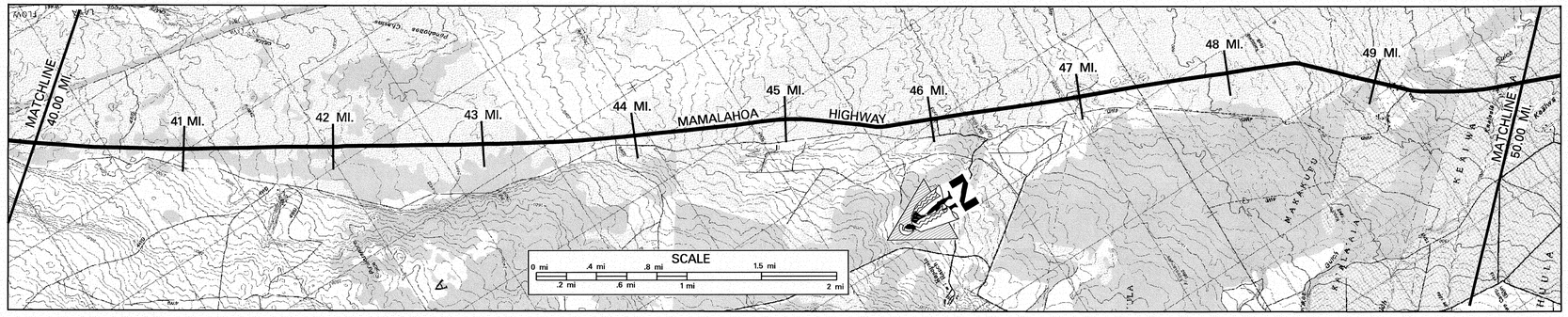
Total Route Length: 122.09 miles

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' | 73' | 145'

Vertical Clearance

Horizontal Clearance

40' | 34' | 40'

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

80' | 80' | 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

(ER–12(2), BRIDGE REPLACEMENT, 2006)

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

STATE

Project No., Type of Construction, and Year Constructed

11H–01–80M, RESURFACE, 1980

11HKL–01–97M, RESURFACE, 1998

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

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #4 — 40.00 MI.

PAVED RD. — SPEED STATION — PAVED RD. — KAPAPALA RANCH RD. CULVERT — PAVED RD. — CULVERT — CULVERT — CULVERT — PAVED ROAD TO MAKAKUPU BRIDGE — SPEED MONITORING STA. PIKEA BR. — CULVERT KAALAALA STR. BR.

MAMALAHOA HIGHWAY

193 + 53 — 196 + 76

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

40.00 Mi. | 40.58 Mi. | 41.00 Mi. | 42.00 Mi. | 42.77 Mi. | 42.99 Mi. | 43.88 Mi. | 43.98 Mi. | 44.98 Mi. | 46.02 Mi. | 45.97 Mi. | 46.81 Mi. | 46.97 Mi. | 47.21 Mi. | 47.48 Mi. | 47.69 Mi. | 47.96 Mi. | 48.96 Mi. | 49.07 Mi. | 49.20 Mi. | 49.46 Mi. | 49.53 Mi. | 49.77 Mi. | 49.87 Mi. | 49.95 Mi.

CONTINUED ON SHEET #6 — 50.00 MI.

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type

8' AC | 3' AC / 3' GRAVEL | 6' AC | 7'–9' AC | 3' AC / 3' GRAVEL | 7' AC | 3' AC / 3' GRAVEL | 4'–6' AC | 6'–8' AC | 9' AC | 6'–8' AC

Pavement: Width and Type

24' AC | 22' AC

Shoulder: Width and Type

8'–10' AC | 3' AC / 3' GRAVEL | 8' AC | 3' AC/2' GRAVEL | 7' AC | 3' AC / 3' GRAVEL | 4'–5' AC | 5'–7' AC | 9' AC | 7'–9' AC | 5'–7' AC

Median: Width and Type

Divided Highway

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

2–12' | 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)

AC GUTTER — CONC. GUTTER

Protective Devices: Type, Location and Number

ALL METAL ON METAL

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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 Stations (Current Year)

B71 0011 03947 | B71 0011 04602

HPMS Sections – AADT 2009

2,085 | 2,085

HPMS Sections – AADT 2008

2,081 | 2,081

HPMS Sections – AADT 2007

2,125 | 2,125

DOD Sections

Census Tracts

Functional Classification

MINOR ARTERIAL (4)

National Highway System (NHS)

NOT ON NHS (0)

Previous Projects: Project No., Date and Limits

11H–01–80M, RESURFACE, 1980

11HKL–01–97M, (RESURFACE), 1998

(11GH–01–82M, (RESURFACE), 1982) | (11GH–01–81, (SHOULDER STABILIZATION), 1981) | 11G–01–78, 1978, (SHOULDER STABILIZATION)

F–18(5), 1953 | WER 1(1), 1948 | FAP 16 B 1938

SCALE: (In Miles) 2" = 1 mile

Date Released
June 2005, D.B.

Revised	
6/06	*D.B.*
1/07	*D.B.*
9/10	*D.B.*
2/11	*D.B.*

ROAD INVENTORY
HAWAII RTE 11
MAMALAHOA HWY

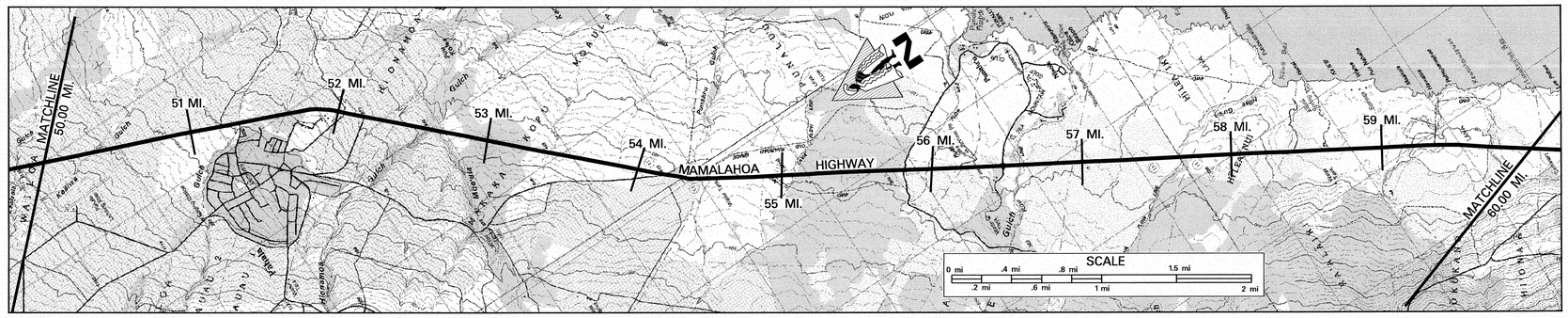
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

50 51 52 53 54 55 56 57 58 59 60

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
Vertical Clearance	234'	126'	82' | 70'	43'	31'	60'	41'
Horizontal Clearance	40'	40'	24' | 24'	24'	24'	24'	24'

Structure Over Road

Vertical Clearance	
Horizontal Clearance	

Right of Way Width (min.–max.) if varies: 60' | (65') | 60' | (60') (100') (85') | 60' | 60'–80' | 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

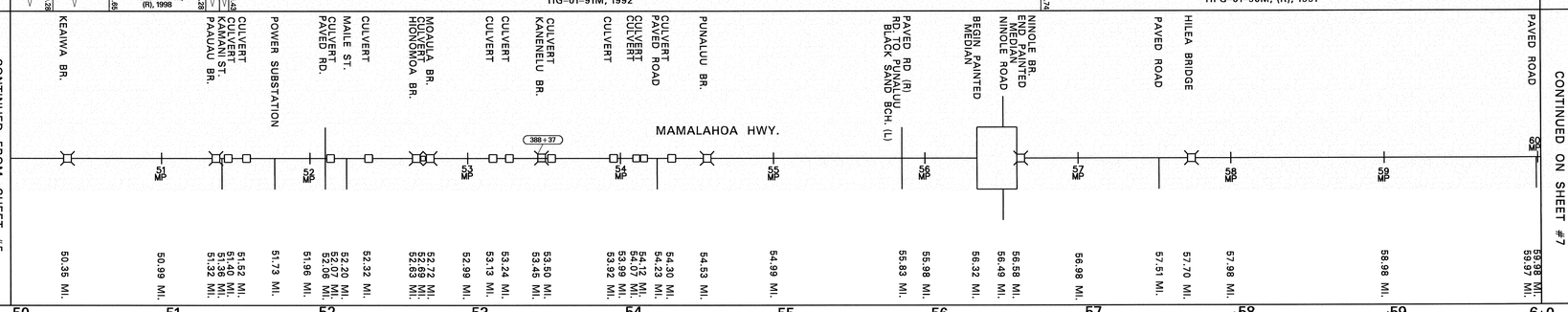
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE

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) | (11G–01–04, DRAINAGE IMPR. 2008)

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

50 51 52 53 54 55 56 57 58 59 60

Divided Highway

Undivided

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

Divided Highway

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) (4' CONC. 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 Stations (Current Year): B71 0011 04602 | B71 0011 05649 | (B71 0011 05997)

HPMS Sections – AADT 2009: 2,085 | 2,478 | (2,478)

HPMS Sections – AADT 2008: 2,081 | 2,473 | (2,473)

HPMS Sections – AADT 2007: 2,125 | 2,525

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4)

National Highway System (NHS): NOT ON NHS (0)

Previous Projects: Project No., Date and Limits

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

SCALE: (In Miles) 2" = 1 mile

50 51 52 53 54 55 56 57 58 59 60

Date Released
Jan. 2006, D.B.

Revised	
6/06	*D.B.*
4/09	*D.B.*
9/10	*D.B.*
2/11	*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

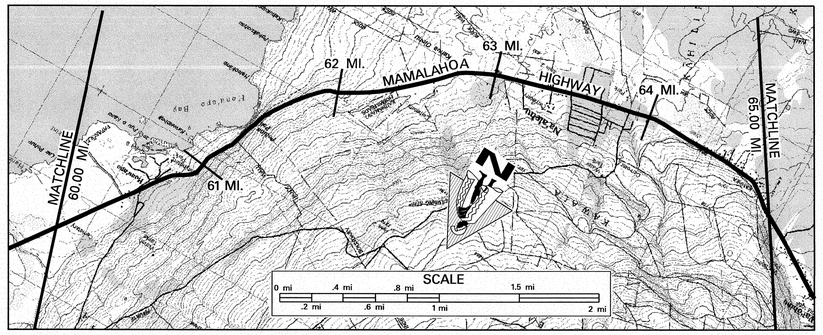
Total Route Length: 122.08 miles

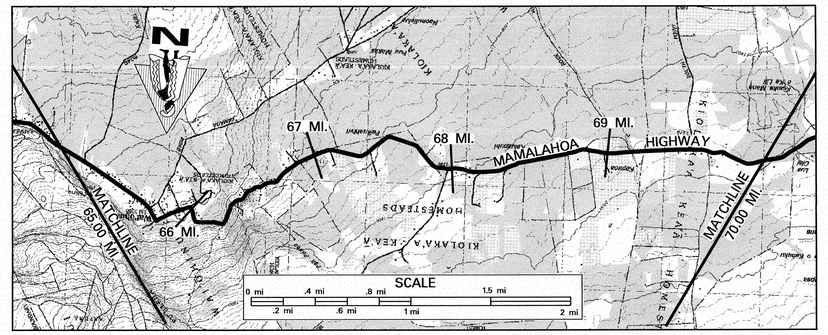
a. Survey Length: 122.08 miles

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

Vertical Clearance: 44'

Horizontal Clearance: 24'

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 | FENCE | ROCK WALL | (ROCK WALL) | (FENCE) | NONE

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): (COUNTY, P–1942, 1974)

Project No., Type of Construction, and Year Constructed: HSIP–011–2(37), SAFETY IMPRV., 2010

Project No., Type of Construction, and Year Constructed: 11FG–01–90M (R) 1991 | 11EF–01–93M (R) 1996

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #6

HONUAPO BR. HONUAPO WHARF ROAD | POWER SUB-STATION | CULVERT | NAALEHU SCHOOL ROAD | NUI STREET | BRIDGE KUKU RD. | KAALAIKI RD. | RD. TO WATER TANK | CULVERT | ROAD TO PARK KALAULAU RD. | KAMAOA RD. | SHIRAEWA ROAD | ROAD TO BASEYARD | PINAO ST. | KONOHIKI ST. | WAIOHINU SOLID WASTE TRANSFER STATION | 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 | 66.5 MP | 67 MP | 67.5 MP | 68 MP | 68.5 MP | 69 MP | 70 MP

60.54 MI. | 60.60 MI. | 60.98 MI. | 61.99 MI. | 62.52 MI. | 62.99 MI. | 63.35 MI. | 63.61 MI. | 63.72 MI. | 63.74 MI. | 63.80 MI. | 63.99 MI. | 64.60 MI. | 64.99 MI. | 65.18 MI. | 65.30 MI. | 65.59 MI. | 65.52 MI. | 65.69 MI. | 65.84 MI. | 66.02 MI. | 66.49 MI. | 67.00 MI. | 67.50 MI. | 67.98 MI. | 68.00 MI. | 68.27 MI. | 68.30 MI. | 68.48 MI. | 68.60 MI. | 68.89 MI. | 68.97 MI. | 68.99 MI. | 68.91 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 | 8' GRASS | 0' | 2'–8' GRASS | 2'–8' BP | 0' (6'–12' GRV.) (12' AC) | 22' AC | 24' AC | 22' AC

Pavement: Width and Type: 20' AC (12' GRAVEL) | 22' AC | 25' AC | 24' AC | 18' AC | 22' AC | 24' 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. | 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'–18" GRS. | 2'–8' AC | 2'–10' GRASS | 4'–12' AC | 4'–10' GRAVEL | 2'–4' AC

Median: Width and Type: (6'–10' BP) | (12'–10' GRV.) | (3'–6' AC) | (EDGELINE MILLED RUMBLE STRIP) | (EDGELINE MILLED RUMBLE STRIP)

Median Barriers: (RAISED PAVEMENT MARKER CENTERLINE RUMBLE STRIP) (CENTERLINE MILLED RUMBLE STRIP)

Shoulder: Width and Type: 2'–4' AC

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes: 2–10' | 2–11' | 2–12' | 2–9' | 2–11' | 2–12' | 2–11'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left): 4' CONC. S.W. | 2' AC S.W. | (8' BP S.W.)

Curb and/or Gutter: Type (Right and Left): (AC ROLL) | CONC. CURB

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 Stations (Current Year): B71 0011 05997 | B71 0011 06054 | B71 0011 06184 | B71 0011 06299 | B71 0011 06390 | B71 0011 06595 | B71 0011 06798

HPMS Sections – AADT 2009: 2,478 | 2,478 | 2,478 | 2,478 | 2,478 | 3,670 | 3,670

HPMS Sections – AADT 2008: 2,473 | 2,473 | 2,473 | 2,473 | 2,473 | 3,663 | 3,663

HPMS Sections – AADT 2007: 2,525 | 2,525 | 2,525 | 2,525 | 3,740

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4)

National Highway System (NHS): NOT ON NHS (0)

Previous Projects: Project No., Date and Limits: (FAP 18C (1), 1938) | FAGH 18 D(1), 1938 | COUNTY (P–1942) 1974 | COUNTY (P–1829) 1974

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2001

Revised	
5/06	G.N.
9/10	D.B.
2/11	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

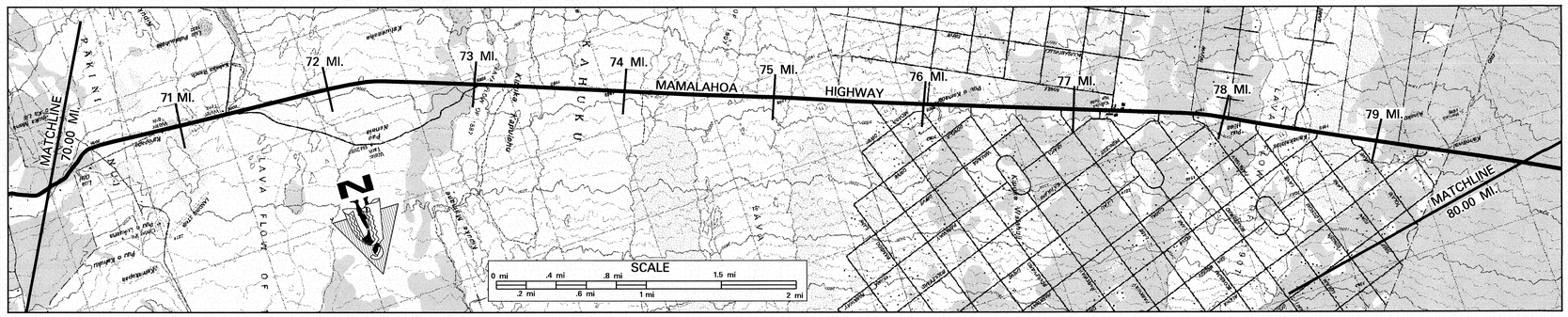
Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

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 Over (RR, Stream, Road, Etc.)

Vertical Clearance

Horizontal Clearance

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

60'–110' (73.19) | 100' (75.30) | 90' (75.44) | 60'–110' (78.61) | 80' (79.41) | 80' (79.81) | 80' (79.83) | 90' (79.84) | (80')

Available Right of Way Width (Needs Study)

TREES – DENSE BRUSH – GRASS (70.48–72.48) | TREES & BRUSH (72.48–73.07) | 1000' CLEAR – LAVA ROCK 15' FROM EDGE OF PAVEMENT (75.30–75.44) | TREES AND HEAVY BRUSH (78.85–79.84)

Right of Way Fence: Type – Right and Left

ROCK WALL both sides (70.34–73.07) | ROCK WALL both sides (74.70–75.44) | ROCK WALL both sides (78.85–79.84) | ROCK WALL (77.76–77.85) | (ROCK WALL) (77.44–77.76)

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

NONE (78.60)

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

STATE

Project No., Type of Construction, and Year Constructed

STA 837+00 (72.84) | 11E-01-02M GUARDRAIL & SHOULDER IMPROVEMENT 2005 | STA 610+00 (77.28)

Project No., Type of Construction, and Year Constructed

11EF-01-93M, (R), 1996 (70.48–72.46) | COUNTY (P-1957) 1977 (72.46–73.23) | 11E-01-75, 1976 (73.23–75.44) | 11EF-01-93M, (R), 1976 (75.44–78.84) | 11D-01-79M, (RESURF.), 1979 (78.84–79.84)

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #7

MAMALAHOA HWY

KAHUKU RANCH RD. (70.90 MI.) | KAHUKU RANCH RD OLD HAWAII BELT RD (71.00 MI.) | ROAD (71.41 MI. 71.32 MI.) | ENTRANCES TO SCENIC LOOKOUT (72.01 MI.) | S. POINT BAR & TIKI LANE RESTAURANT (73.03 MI. 73.01 MI.) | KOHALA BLVD. KING KAMEHAMEHA (73.87 MI.) | DONOLA DR. (74.90 MI. 74.87 MI. 74.85 MI.) | ORCHID PARKWAY (75.66 MI.) | LEHUA LANE (76.03 MI. 76.00 MI.) | BEG DIVIDED (76.33 MI.) | LOTUS BLOSSOM LN (76.63 MI.) | END DIVIDED PRINCE KUHIO DR (76.93 MI. 76.84 MI.) | HAWAII BLVD. (77.10 MI.) | LEILANI PRKWY. (R) LEILANI MAKAI (L) (77.18 MI. 77.10 MI.) | KULA KAI BLVD. (77.27 MI.) | GINGER BLOSSOM LN (77.41 MI.) | ROAD (KONA GARDEN ESTATES) (77.58 MI.) | KONA DRIVE (77.83 MI. 77.80 MI.) | IOLANI LANE (78.05 MI.) | ALOHA BLVD. (78.24 MI.) | (78.45 MI.) | (78.65 MI.) | (78.83 MI. 78.83 MI.) | (79.34 MI.) | (79.83 MI.)

CONTINUED ON SHEET #9

SCALE: (In Miles) 2" = 1 mile

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

Divided Highway – Undivided

Shoulder: Width and Type

(0–8' GRAVEL) 8' AC (73.21) | 8'–10' AC (78.90) | 6' BP

Pavement: Width and Type

(22' AC) (70.07) 24' AC (77.10) | 12' AC (77.41) | 24' AC (78.90) | 22' AC

Shoulder: Width and Type

(2'–12' CINDER) 8' AC (73.21) | 8'–10' AC (77.10) | 0 | 8'–10' AC (78.90) | 6' BP

Median: Width and Type

12' PAINTED AC (77.10–77.41)

Median Barriers:

Shoulder: Width and Type

0

Pavement: Width and Type

12' AC

Shoulder: Width and Type

10' AC

Number of Traffic Lanes

(2–11') (70.07) 2–12' (78.90) 2–11'

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

(Right Side)

1–12' (L) T.L. (77.18–77.27)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number ALL GUARDRAILS STEEL ON STEEL

70.00 | 70.29 | 70.34 | 70.40 | 70.68 | 70.69 | 70.71 | 70.80 | 70.85 | 71.10 | 71.14 | 71.40 | 71.42 | 71.58 | 71.85 | 71.91 | 71.92 | 72.12 | 72.36 | 72.46 | 72.47 | 72.81 | 72.89 | 72.90 | 72.95 | 73.02 | 73.06 | 73.28 | 73.34 | 73.40 | 73.48 | 73.66 | 73.77 | 73.90 | 73.96 | 74.15 | 74.54 | 74.75 | 74.76 | 74.82 | 75.77 | 75.79 | 76.00 | 76.46 | 76.83 | 76.45 | 76.56 | 76.63 | 76.76 | 76.88 | 76.91 | 77.02 | 77.18 | 77.24 | 78.61 | 78.64

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

74.28 | –4.43 | 74.48 | 74.53 | +2.34 | 74.66 | 74.83 | –0.85 | 76.00 | +2.85 | 76.34 | –1.38 | 76.45

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL

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

ROLLING

Speed: 1–Design, 2–Posted

45 MPH (2) (70.07–70.42) | 55 MPH (2) 45 MPH (2) (70.42–71.42) | 55 MPH (2) (71.42–79.04) | 55 MPH (2) (MINIMUM 40) (79.04–80)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

B71 0011 06798 | B71 0011 07022 | B71 0011 07663 | B71 0011 07758

HPMS Sections – AADT 2009

3,670 | 3,670 | 3,670 | 3,670

HPMS Sections – AADT 2008

3,663 | 3,663 | 3,663 | 3,663

HPMS Sections – AADT 2007

3,740 | 3,740 | 3,740 | 3,740

DOD Sections

70.22 | 76.63 | 77.58

Census Tracts

Functional Classification

MINOR ARTERIAL (4)

National Highway System (NHS)

NOT ON NHS (0)

Previous Projects: Project No., Date and Limits

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

823+00 | 705+00 | 523+00

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.
9/10	D.B.
2/11	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

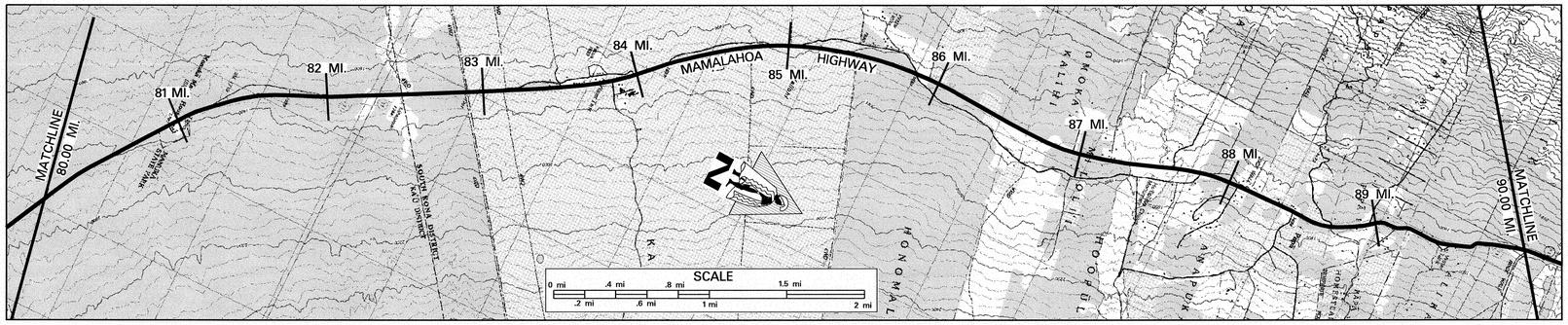
Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

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' 80.26 | 80.31 80' 80.55 | 80.56 90' 80.62 | 81.63 80' 81.43 | 89.42 80'–120' 83.80 | 84.40 80'–105' 86.36 | 87.14 80'–150' 87.56 | 87.96 80'–95' 87.96 | 88.70 80'–90' 88.70 | 89.34 50'

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

Right of Way Fence: Type – Right and Left: (ROCK WALL) 80.62 | 80.82 | (STONEWALL 20' FROM E.P.) 84.97 | 85.49 | (STONEWALL 20' FROM E.P.) 85.25 | 85.56 | RUBBLE WALL 20' FROM E.P. | FENCE 88.56 | RUBBLE WALL 20' FROM E.P. | FENCE 89.35

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: 1112 + 70 HSIP-011-1(25), SAFETY IMPRV., 2010

Project No., Type of Construction, and Year Constructed: 11D–01–79M, (RESURF.), 1979 | 83.40 | 83.72 (BF-011-1(3), 1961) | 11D–01–82M, (RESURF.), 1982 | 88.61 | 11C–01–92, (R) 1994

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #8

MANUKA PARK ENTRANCE | DISTRICT OF SOUTH KONA | DRIVEWAYS | KAPUA MAUKA ROAD | HONOMALINO AGRI'D OFF RD. | PAVED ROAD | PAVED ROAD | ENTRANCE TO PARKER RANCH | PAVED ROAD | ROAD | OLD MAMALAHOA HIGHWAY | LANI KONA RD. | 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 | 89.5 MP | 90 MP

80.83 MI. | 80.97 MI. | 81.83 MI. | 82.49 MI. | 82.83 MI. | 83.07 MI. | 83.83 MI. | 83.86 MI. | 84.83 MI. | 85.11 MI. | 85.83 MI. | 85.86 MI. | 86.35 MI. | 86.56 MI. | 86.84 MI. | 86.98 MI. | 87.54 MI. | 87.83 MI. | 87.83 MI. | 87.97 MI. | 88.37 MI. | 88.73 MI. | 88.83 MI. | 88.98 MI. | 89.15 MI. | 89.35 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 | (EDGELINE MILLED RUMBLE STRIP) 88.61 | 0'–6' GRASS | 8' AC 0.24 | 0'–6' AC 0.71
- Pavement: Width and Type: 22' AC | 88.85 | 20' AC | 89.07 | 89.34 | 20' AC 0.91
- Shoulder: Width and Type: 6' BP | (EDGELINE MILLED RUMBLE STRIP) | 2'–8' GRAVEL | 8' AC | 2'–8' GRV.
- Median: Width and Type: (RAISED PAVEMENT MARKER CENTERLINE RUMBLE STRIP) 88.34 | 89.57 | 89.76
- Median Barriers: (CENTERLINE MILLED RUMBLE STRIP)
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type: 89.76

Number of Traffic Lanes: 2–11' | 88.61 | 2–10' | 89.07 | 2–12' | 2–10'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number: 83.68 | 84.09 | 84.14 | 84.23 METAL ON METAL 84.14 | 84.22 | 87.68 | 87.96 METAL ON METAL 87.96 | 88.07

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 | 85.40 | MOUNTAINOUS 88.89

Speed: 1–Design, 2–Posted: 55 MPH (2) (MINIMUM 40) | (45 MPH (2)) 88.89 | 88.92 | 35 MPH (2) 88.07

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0011 07758 | B71 0011 08837

HPMS Sections – AADT 2009: 3,670 | 3,670

HPMS Sections – AADT 2008: 3,663 | 3,663

HPMS Sections – AADT 2007: 3,740 | 3,740 | 88.37

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4)

National Highway System (NHS): NOT ON NHS (0)

Previous Projects: Project No., Date and Limits

11D–01–79M (RESURF.), 1979 | 83.40 | 83.72 | BF–011–1(3), 1959 | 11D–01–82M (RESURF.), 1982 | BF–011–1(3), 1961 | 88.61 | 89.12 | (FAP 8A, 1932) 88.61 | 88.85 FAP 8A, 1930 | (11BC–01–91 (IMPRV., REALIGN.), 1993) 89.57 | 89.74 | 11C–01–76M (RESURF.) 1976

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.
9/10	D.B.
2/11	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

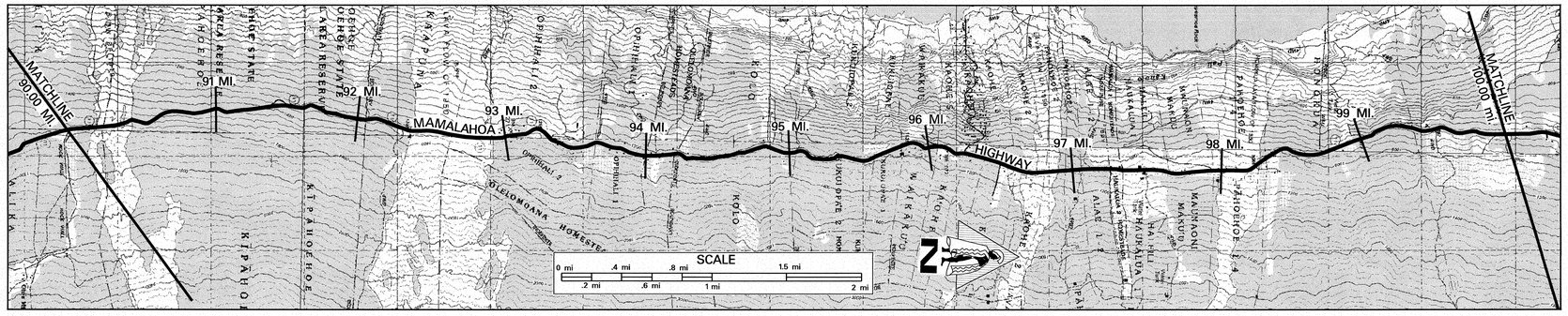
Total Route Length: 122.08 miles

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′ | 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

1031 + 80
HSIP-011-1(25), SAFETY IMPRV., 2010
(11C-01-90M, (R), 1990)
(11C-01-76M, (R), 1976)
11BC-01-01M, (RESURFACE), 2004

Project No., Type of Construction, and Year Constructed

11C–01–92, (R), 1994
11C–01–91M, (R), 1992
(11C-01-75M, 1976)
STP-0100(31), (IMPROV.), 1994
11BC–01–89M, (R), 1989

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #9.

"ELEV. 1500 FT. - 457 M."
SIGN
KIPAHOEHOE NATURAL AREA RESERVE
C.A. TEE HOP RANCH
KIPAHOEHOE NATURAL AREA RESERVE
PAVED ROAD
CONC. ROAD
CONC. ROAD
CONC. ROAD
CONC. ROAD
ROAD
ROAD
CONC. ROAD
PAVED ROAD
KAOHE ROAD
KA OHE RANCH
ROAD
DRIVE WAY
SOLID WASTE TRANSFER STA.
WAIAKEA DUMP
RUBBISH

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

1074 + 95

MAMALAHOA HIGHWAY

90.05 MI. 90.17 MI. 90.36 MI. 90.40 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. 94.48 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 (EDGELINE MILLED RUMBLE STRIP)

.40 .44 .54 .62 .84 0′–6′ GRASS | 8′ AC | 0′–6′ GRASS | 4′ GRAVEL | 0′–4′ GRASS | (8′) | 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 (EDGELINE MILLED RUMBLE STRIP)

2′–8′ GRAVEL .44 .54 .69 .83 .84 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 (CENTERLINE MILLED RUMBLE STRIP)

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

(2–11′)

Number of Traffic Lanes

2–10′ | 2–12′ | 2–10′ | 2–(8′–9′) | 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 Stations (Cuurent Year) B71 0011 08837

HPMS Sections AADT 2009 3,670

HPMS Sections AADT 2008 3,663

HPMS Sections AADT 2007 3,740

DOD Sections

Census Tracts

Functional Classification MINOR ARTERIAL (4)

National Highway System (NHS) NOT ON NHS (0)

Previous Projects: Project No., Date and Limits

(11BC–01–91, (IMPROV., REALIGN), 1993) | (11BC–01–90, (IMPRV.), 1991) | 11C–01–90M, (R), 1990 | 11BC–01–89M, (R), 1989
(FAP8B, 1931) | (FAP 8B, ER 2(1), 1953) | (HHS-011-1(15), 1976)
11C–01–76M, (RESURFACE), 1976 | 11C–01–91M, (RESURFACE), 1992 | 11C–01–75M, (RESURFACE), 1976 | (11C–01–76M, (R), 1776) | 11C–01–76M, (R), 1976
FAP 8A, 1930 | ER 2(1), FLOW #3, 1951 | FAP 8–A, 1930 | ER 2(1), FLOW #2, 1951 | FAP 8–A, 1930 | FAP 8–A,1931 | ER 2(1), FLOW#1, 1951 | FAP 8–B, 1931 | (FAP 8–C , 1931)

40 + 06.28 | 913 + 01.67 | 727 + 12 | 0 + 00 | 20 + 00 | 633 + 93 | 558 + 04.70

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.*
9/10 *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

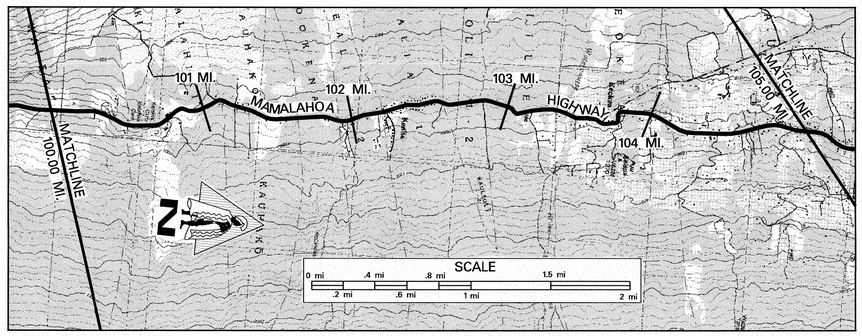
Total Route Length: 122.08 miles

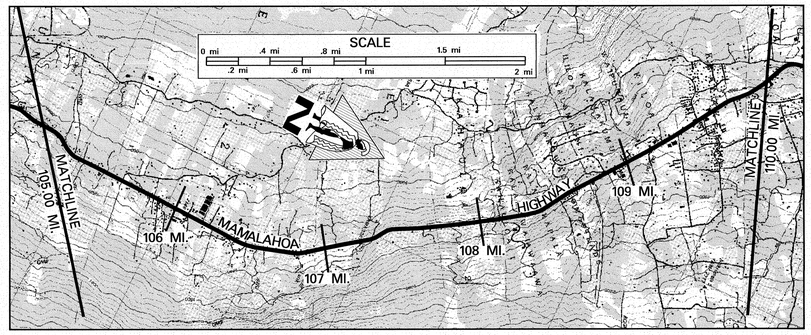
a. Survey Length: 122.08 miles

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

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′ | 50′–60′ | 60′

Available Right of Way Width (Needs Study)

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

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

Project No., Type of Construction, and Year Constructed

11BC–01–01M, (RESURFACE), 2004 | 11B–01–96M, (RESURFACE), 1998

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

CONTINUED FROM SHEET #10

CULVERT; HOOKENA BEACH RD.; HOOKENA SCHOOL RDs; ROAD; ROAD; POWER SUB STATION; ROAD TO CITY & NAPOOPOO (KEALAKEKUA AVE RD.) NEW RTE 160; STATE HWY (TELEMETRY STATION T6E); MIDDLE KEEI RD.; HONAUNAU ELEM. SCH. RD.; ROAD; ROAD; CULVERT; ROAD; KALAMALANI PL.; ROAD; ANOI PLACE; KOA RD.; CAPTAIN COOK VILLAGE; "END STATE HWY" SIGN; PAVED RD. END DIV HWY & KAMAMALANI HWY; KINUE RD.; KILOA ROAD; CAPTIN COOK ROAD

DOD 785 — DOD 790

MAMALAHOA HWY

CONTINUED ON SHEET #12

Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided

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

4′ AC | 3′ AC | 4′ AC | 3′ AC | 6′ AC | 6′ GRASS | 4′ GRASS

16′–18′ AC | 18′ AC | 22′ AC | 18′ AC | 20′ AC | (10′ AC) | 20′ AC

4′ AC | 3′ AC | 3′ AC | 6′ AC | 2′ AC | 0 | 3′–15′ GRASS

(0′–10′ GRASS) (2′–4′ AC) (PAINTED MEDIAN 0–10′)

0

(10′ AC)

(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 | 6′ 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′ BITUM. CURB | 1′ BITUMINOUS CURB | (BITUMINOUS CURB) | 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

Curves: Degree of Curvature (Right and Left)

1 MV | 20 MV

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL

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

MOUNTAINOUS | ROLLING

Speed: 1–Design, 2–Posted

35 MPH (2) | 45 MPH (MINIMUM 30 MPH) (2) | 30 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

B71 0011 08837	B71 0011 10110	B71 0011 10360	B71 0011 10922
HPMS Sections – AADT 2009	3,670	5,849	6,400	9,911
HPMS Sections – AADT 2008	3,663	5,837	7,200	9,891
HPMS Sections – AADT 2007	3,740	5,960	10,100	10,100

DOD Sections

Census Tracts

Functional Classification

MINOR ARTERIAL (4)

National Highway System (NHS)

NOT ON NHS (0)

Previous Projects: Project No., Date and Limits

11BC-01-89M, (R), 1989 | 11B-01-96M, (RESURFACE), 1998 | 11B-01-81M, (RESURFACE), 1981

11BC-01-89M, (R), 1989 | 11B-03-70, 1971 | NRH 8-E, 1936 | WPH 8-F, 1936 | COUNTY | WPH 8-F, 1936 | FAP 8-G, 1937 | COUNTY

(11B-03-70, 1971)–(HHS-011-1(15), 1976) | 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 + 98.70)

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
6/06	*D.B.*
9/10	*D.B.*
2/11	*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

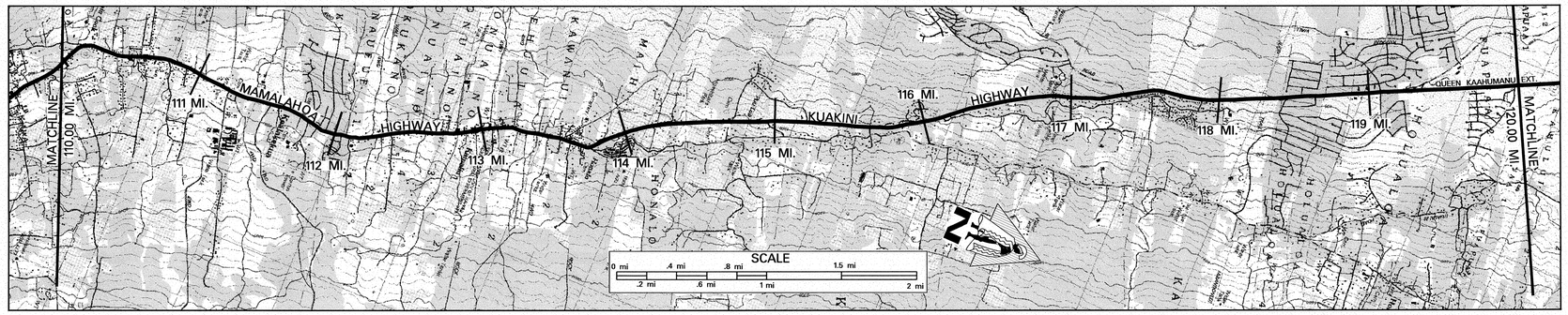
Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



Road Diagram

* MP = Milepost Signage

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 Rte

- 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) | 11A–01–04M, RESURF., 2010

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.

OLD FASC 180 (RD. TO NAPOOPOO) | KEOPUKA HTS. RD. | KEOPUKA RD. | DOD 795 | DOD 790 | NORTH SOUTH DEPOT ROAD | MELEANA PL. | INTERMEDIATE ROAD | BEGIN DIV. HWY | END DIV. HWY | CULVERT | KONAWAENA | KEALAOLA AVE. (RTE 180) TO KONA HOSP. | END DIV. HWY | SEE KEE ST. | NANI LUPUNA PL. | HOKUKANO RD. | 44 TROPICAL AGRI. RD. | ST. PAUL'S ROAD | OLD MAMALAHOA HWY | NAHENAHE LP. | ACCESS ROAD | WEST HONALO RD. | EAST HONALO RD. | ACCESS RD. TO OLD RTE 11 | ACCESS ROAD | KALELEI ST. | BEGIN DIV. HWY | END DIV. HWY | PUULOA RD. | ACC. TO SCENIC POINT | ACCESS FRONTAGE RD. | MAMALAHOA (RTE 180) | IHILANI PL. | WAILUA ST. | CULVERT | VIEW POINT ROAD | END DIV. HWY | KAM. III ROAD (RTE 185) | BEGIN DIV. HWY | AKONI DR. | CULVERT | SUNSET DR. | BEGIN DIV. HWY | SCHAEFER & NALANI ST. | END DIV. HWY | BEGIN DIV. HWY | LAKO ROAD | ACCESS RDS. TO KUAKINI HWY | KUAKINI HWY | END DIV. HWY | BEGIN DIV. HWY | PUAPUANUI ST.

MAMALAHOA HWY — KUAKINI HWY — KUAKINI HWY — QUEEN KAAHUMANU EXT.

110.20 MI. | 110.41 MI. | 110.57 MI. | 110.64 MI. | 110.80 MI. | 110.88 MI. | 110.91 MI. | 111.14 MI. | 111.21 MI. | 111.33 MI. | 111.42 MI. | 112.34 MI. | 112.78 MI. | 113.01 MI. | 113.52 MI. | 113.62 MI. | 113.89 MI. | 113.92 MI. | 114.17 MI. | 114.18 MI. | 114.46 MI. | 114.67 MI. | 114.78 MI. | 114.83 MI. | 115.07 MI. | 115.18 MI. | 115.27 MI. | 115.43 MI. | 115.55 MI. | 115.78 MI. | 115.91 MI. | 116.16 MI. | 116.41 MI. | 116.67 MI. | 116.78 MI. | 117.19 MI. | 117.32 MI. | 117.43 MI. | 117.78 MI. | 118.08 MI. | 118.32 MI. | 118.40 MI. | 118.51 MI. | 118.62 MI. | 118.77 MI. | 118.78 MI. | 118.93 MI. | 119.15 MI. | 119.21 MI. | 119.37 MI. | 119.66 MI. | 119.85 MI. | 119.83 MI.

CONTINUED ON SHEET #13.

SCALE: (In Miles) 2" = 1 mile

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 | (15′) | 10′ | 4′ | 2′ | 0 | 6′ | 2′ | 0 | 6′ AC | 10′ | 8′ AC | 10′ AC
- Pavement: Width and Type: 20′ AC | 3′0″ AC | 20′ AC | 22′ AC | 1′ AC | 20′ BP | 24′ BP | 44′ AC | 36′ AC | 20′ AC | 18′ AC | 24′ AC | 11′ AC | 24′ AC | 2′ AC | 34′ AC | 23′ AC | 34′ AC | 22′ | 11′ AC | 22′ AC | 12′ AC | 24′ AC | 12′ AC
- Shoulder: Width and Type: (3′–15′ GRASS) | 5′ AC | 2′–6′ GRV. | 1′–10′ GRAVEL | 0 | 1′–10′ GRAVEL | 6′ AC | 0 | 4′ GRAVEL | VARIES 4′–6′ | (31′ AC) | 10′ | 0 | 10′ | 6′ AC | 0 | 8′ AC | 0 | 8′ AC | 0 | 10′ AC | 0
- Median: Width and Type: 10′ PAINTED AC | 11′ PAINTED MEDIAN | 12′ PAINTED MEDIAN | (13′) | (6′ AC) | 11′ PAINTED MEDIAN | 10′ PAINTED MEDIAN | 12′ PAINTED MEDIAN
- Median Barriers:
- Shoulder: Width and Type: 0 | 0 | 0 | 0 | 0 | 0
- Pavement: Width and Type: 10′ AC | 11′ AC | (3′–10′) (2′–18′) (2′–15.5′) | 11′ AC | 11′ AC | 11′ AC | 12′ AC | 12′ AC
- Shoulder: Width and Type: 2′ AC | 2′ AC | (2′–14′) | 6′ AC | 6′ AC | 8′ AC | 10′ AC | 10′ AC

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

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

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

Protective Devices: Type, Location and Number: M/C | M/M | 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 (1) | SMALL 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) | (35 MPH (1)) | 45 MPH (1) | 55 MPH (1)

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

Traffic Stations (Current Year): B71 0011 10922 | B71 0011 11121 | B71 0011 11369 | B71 0011 11667 | B71 0011 11840 | B71 0011 11905

HPMS Sections – AADT 2009: 9,911 | 17,741 | 17,741 | 20,218 | 20,218 | 20,813

HPMS Sections – AADT 2008: 9,891 | 17,706 | 17,706 | 20,178 | 20,178 | 20,771

HPMS Sections – AADT 2007: 10,100 | 18,080 | 18,080 | 20,605 | 20,605 | 21,210

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (6) | PRINCIPAL ARTERIAL (3)

National Highway System (NHS): NOT ON NHS (0)

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
- S–229–1, 1952, BP
- 11B–01–78M (R), 1978
- F–011–1(4), 1963
- COUNTY
- F–011–1(14), (NEW ALIGNMENT), 1984

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
6/06	D.B.
2/08	D.B.
9/10	D.B.
2/11	D.B.

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

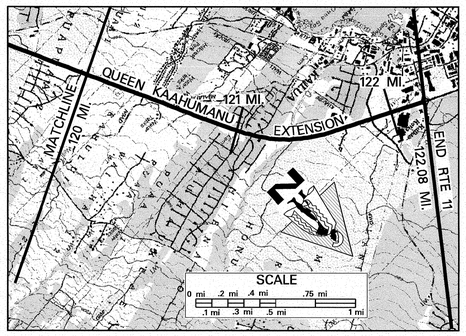
Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

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

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

Available Right of Way Width (Needs Study)

BRUSH, GRASS & TREES

Right of Way Fence: Type – Right and Left

(11A-01-04M, RESURF, 2010)

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

NONE

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

STATE

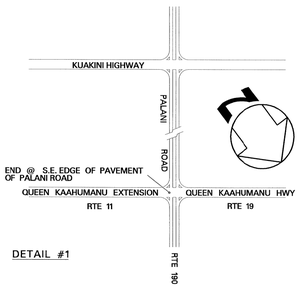
(11A-01-02 Inter Imp 2005)

Project No., Type of Construction, and Year Constructed

193+00 | 187+50 | -125+93.66 | 115+00 | -95+30

Project No., Type of Construction, and Year Constructed (F-011-1(4), (NEW ALIGNMENT), 1984)

F-011-1(4), (NEW ALIGNMENT), 1984 | NH-019-01(20) WIDENING, 2009



DETAIL #1

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #12

HUALALAI ROAD | HUALALAI RD | BEG. DIV HWY. | END DIV HWY. | NANI-KAILUA DR. | END DIV HWY. PONI PL. | MALULANI DR. (R) BEG. DIV HWY. | HENRY ST. (SEE DETAIL #1)

S9 W.I.M. STA. 120.65 MI. | 155+80 | 120.42 MI. | 122.5 MP | 122.00 MI. | -113+00

120.5 MP | 123 MP 120.67 MI. | 122 MP | END DOD 805

QUEEN KAAHUMANU EXT.

120.17 MI. | 120.25 MI. | 120.46 MI. | 120.69 MI. | 120.83 MI. | 120.89 MI. | 121.02 MI. | 121.09 MI. | 121.16 MI. | 121.48 MI. | 121.56 MI. | 121.67 MI. | 121.74 MI.

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

* 122.08 MI.

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

SCALE: (In Miles) 2" = 1 mile

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

Divided Highway

Undivided

Shoulder: Width and Type

Pavement: Width and Type

12' AC (24' AC) | 12' AC | 24' AC | 24' AC | 6' AC BIKE LANE | 36' AC

Shoulder: Width and Type

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

Median: Width and Type

12' PAINTED MEDIAN | 12' PAINTED MEDIAN | 0–30' PAINTED MEDIAN

Median Barriers:

Shoulder: Width and Type

0 | 0 | 0

Pavement: Width and Type

12' AC | 12' AC | 24' AC | 36' AC

Shoulder: Width and Type

10' AC | 10' AC | 10' AC | 0

Number of Traffic Lanes

2–12' | 4–12' | 6–12'

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

12' ACCEL. LANE

(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 | C & G | C & G

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:

SMALL URBAN

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

ROLLING

Speed: 1–Design, 2–Posted

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

Intersection Control Devices: Type, Location and Cycle Timing

3 PH | 4 PH

Traffic Stations (Current Year)

B71 0011 11905	B71 0011 12045	B71 0011 12114
HPMS Sections – AADT 2009	20,813	21,700	31,164
HPMS Sections – AADT 2008	20,771	24,727	31,102
HPMS Sections – AADT 2007	21,210	25,250	31,760

DOD Sections

Census Tracts

Functional Classification

PRINCIPAL ARTERIAL (3)

National Highway System (NHS)

NOT ON NHS (0)

Previous Projects: Project No., Date and Limits

F-011-1(4), (NEW ALIGNMENT), 1984

SCALE: (In Miles) 2" = 1 mile

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

Date Released
Feb 2006, D.B.
Revised
6/06 *D.B.*
9/10 *D.B.*
2/11 *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

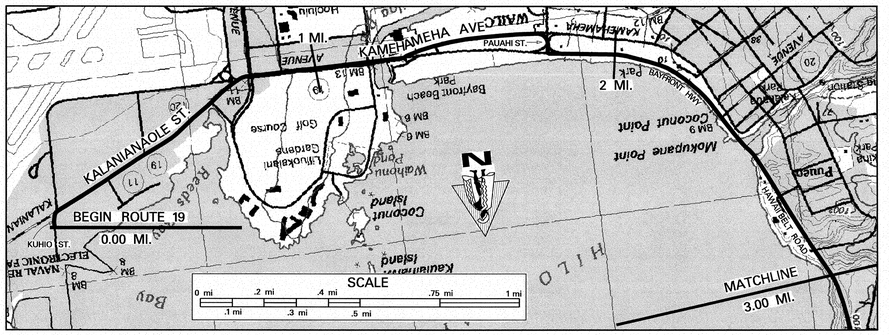
Total Route Length: 99.59 miles

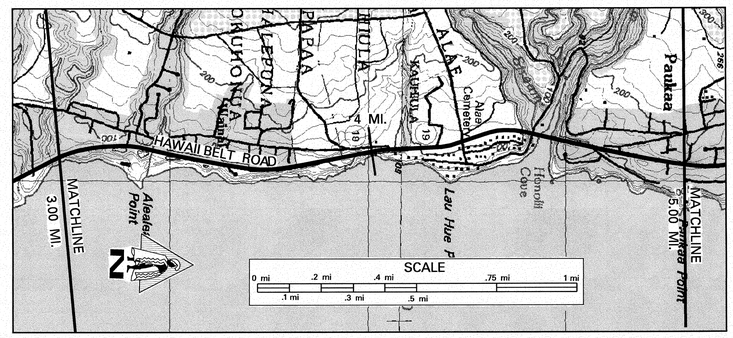
a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*





SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Maintenance Control Sections : Length and Description

END 19L SAME AS BEGIN RTE 19 | 19L (2.57 MI.) | END 19K AND BEGIN 19L AT N.W. END OF WAILUKU BR. 2.57 | 19K (1.63 MI.) | END 19J 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-20-44 152' (1.23) | STEEL MULTISTRINGER 1950, H20 442' (2.50) | TEE BEAM 1949, H20 146' (2.84) | CONCRETE TEE BEAM 1936 H15 544' (4.49)

Vertical Clearance

Horizontal Clearance

106' | 28' | 28' | 24'

Structure and Road

Vertical Clearance

23'-02" | 18'-02"

Horizontal Clearance

3.09 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)

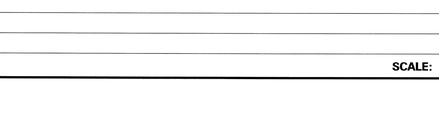
STATE 1.30 | COUNTY 1.83 | 76+50 2.87 39+50 3.36 STATE

Project No., Type of Construction, and Year Constructed

(STP-019-2(32), (RESURFACE)) 0.15 | (BR-F-019-2(27), 1993 BRIDGE REPLACEMENT) 1.49 | (SDR 3(8), 1950) 2.56 | BR-019-2(50), 2009, OVERPASS REMOVAL | (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 1.48 | STP-019-2(31), (R), 1995 2.49 | 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. MP 0 — (KUHIO ST.) — KALANIANAOLE ST.

SILVA ST. & KALANIANAOLE END DIV. HWY / BEGIN DIV. HWY 0.10 MI. | PAVED ROAD 0.08 MI. | KUMAU ST. 0.00 MI. | KEAA ST. 0.34 MI. | 0.43 MI. | END DIV. HWY / BEGIN DIV. HWY 0.29 MI. | 0.64 MI. | KAMEHAMEHA AVE. 0.69 MI. | MP 1 | KANOELEHUA AVE (PETER BANYON DR. (R)) 0.79 MI. | KALANIKOA ST. 0.84 MI. | BEG. DIV. HWY 0.94 MI. | WAIOLA BRIDGE LIHIWAI ST. (R) MANONG ST. (L) 1.05 MI. | PAVED ROAD 1.21 MI. | ONE WAY ROAD 1.33 MI. | ROAD FROM PARKING LOT 1.43 MI. | BEG. DIV. HWY / END DIV. HWY 1.53 MI. | 1.63 MI. | BAYFRONT PAUAHI ST. 1.65 MI. | 1.78 MI. | END DIV. HWY 1.83 MI. | 1.96 MI. | SEE DETAIL #1 | 1.78 MI. | (PAUAHI ST.) — BAY FRONT HWY

WAIANUENUE AVE. (FAU-C 1950) BEG. DIV. HWY 2.32 MI. | 2.39 MI. | WAILUKU BR. END DIV. HWY 2.40 MI. | 2.49 MI. | PUKIHAE ST. 2.50 MI. | MP 2 | PUKIHAE BRIDGE 2.74 MI. | 2.84 MI. | END DIV. HWY HILO PLNT. HAU ST. 2.70 MI. | BEG. DIV. HWY HILO PLNT. (R) MILL RD. (R) HSPC CO. FLUME O.P. 3.04 MI. | 3.09 MI. | 3.13 MI. | END DIV. HWY HILO PLNT. HAU ST. 3.22 MI. | 3.26 MI. | 3.32 MI. | SCENIC LOOKOUT 3.53 MI. | MP 4 | 3.75 MI. | WAINAKU ST. 4.04 MI. | NAHALA ST. (R) KAHOA RD. (L) 4.19 MI. | ALAE CEMETARY ENTRANCE 4.28 MI. | HONOLII BRIDGE 4.49 MI. | KAHOA PL. 4.87 MI. | END DIV. HWY 4.94 MI. | KULANA ST. 4.78 MI. | PAUKAA DR. BEG. DIV. HWY 4.73 MI. | 4.68 MI. | MP 5 — HAWAII BELT ROAD

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

(6' GRS.) 0.00 | 0.08 | 25' GRASS | 0.29 | 6'-15' GRASS (4'-6" AC) 0.64 | 0.98 | 0 | 0.78 | 5' AC SHLDR. / BIKELANE 1.28 | 2'-4' AC 1.47 | 8'-20' AC | (50' AC) | 0'-1' AC 1.86 | 8' AC 2.38 | 30' AC 2.49 | (0'-1' AC) | 4' AC 4.88 | 8' AC 4.87 | 5.30 | (6' AC)

Pavement: Width and Type — ALL PAVEMENT AC

28' (16') | (25' GRS./GRV.) 28' | 12' 36' 0.80 0.84 46' 0.92 45' | 24' AC 1.48 | 28' AC | 28' AC 1.76 | 12' AC | 32' AC (20' AC) 2.39 | 24' AC 2.43 | (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) 0.00 | 0.03 | 0 | (15' GRS. / 10' AC / 15' GRS.) 0.29 | 0.42 | 8'-12' GRS. | 0 | 16' AC 0.78 | 0.82 | 5' AC SHLDR. / BIKELANE | 0 | (0'-1' AC) | 0 | 1' AC | 8' AC | 8' AC | 0 | 1' AC | 4' AC | 4' AC | 0 | 6' AC

Median: Width and Type

(32' GRV.) | (0'-12' PAINT) 1.05 | 0'-20' PAINTED AC 1.63 | (PAINTED AC) 1.85 | 0'-10' RAISED AC 1.96 | (0'-12' PAINTED AC) 2.32 | 2'-12' RAISED GRASS 2.45 | 4'-12' GRASS M/M 3.32 | 3.04 | 0'-8' PAINTED AC

Median Barriers:

(0'-8' PAINT)

Shoulder: Width and Type

0 | 0 | 0 | 1' AC | 0 | 0

Pavement: Width and Type — ALL PAVEMENT AC

(15') | 12' | (1-13') (1-11') | (1-11') (1-12') | 22' AC | 22' AC 1.80 | 20' AC | 20' AC | 16' AC | 26' | 12' AC

Shoulder: Width and Type

0 | (8'-16' AC) 0.80 | 0.84 | 5' AC SHLDR. / BIKELANE 1.31 | 8' AC 1.45 | 0'-1' AC 1.59 | 0'-1' AC 1.76 | 2' AC 1.92 | 2.45 | 2.48 | 4' AC | 8' AC

Number of Traffic Lanes

(2-14') | (1-16') (1-15') 2-14' (1-12') (1-12') | 1-14' 1.48 | 2-12' 2-11' 1.88 | 1-20' | 1-20' 2.32 | (2-12') (1-12') 2.44 | 2-12' TLs | 2-12' 3.00 | 2-13' 3.38 | 2-12' | 3.10 | 1-13" (L), 1-14' (R) | 2-12' | (2-11') 4.85 | 2-12'

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

11' TL 0.74 | 0.78 | 0.84 | (1-10') (1-12') | 14' (L 12' 11') 1.21 | 1.28 | 13' 1.37 | 1.42 | 11' TL 1.73 | 1.78 | 1.82 | 12' TL 3.25 | 3.17 | 3.25 | 3.47 | 11' TL 3.55 | 12' TLs | 12' TL 4.78 | 4.89 | 4.72 | 12' ACC. LN.

(Right Side)

(10' PARKING LN.) | 12' TL 0.00 | 0.08 | 0.16 | 0.69 | 0.80 | 10' T.L. | 1.16 (10') | 12' T.L. 1.17 | 1.21 | 12' 1.27 | 1.29 | 12' T.L. 1.33

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

Sidewalk: Width and Type (Right and Left)

0.00 | 0.08 | (8' CONCRETE) | 0.10 | 0.14 | 0.60 | 8' CONC. 1.06 | 1.33 | 1.49 | 1.73 | 1.84 | 2.27

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

0.00 | 0.08 | (CONC. CURB) | 0.14 | 0.60 | CONC. CURB 1.06 | CONC. CURB 1.33 | 1.49 | CURB + GUTTER 1.82 | 1.89 | CURB + GUTTER 2.45 2.32 | 2.45 | 2.66 | 2.73 | 2.81 | 2.84 | 2.87 | 2.95 | 2.96 | 2.94 | 3.02 | 3.27 | 3.24 | 3.32 | 3.34 | 3.75 | 3.86 | 3.89 | 4.08 | 4.09 | 4.19 | 4.82 | 4.86 | WOOD ON CONC. METAL ON CONCRETE 4.79 | 4.84

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

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: SMALL URBAN 2.89 | RURAL

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

Speed: 1–Design, 2–Posted

NOT POSTED 0.22 | 35 MPH (2) 1.82 | 55 MPH (2) 2.16 | 45 MPH (1) 2.44 | 35 MPH (2) 2.71 | 45 MPH (2) 3.30 | 55 MPH (2) (MINIMUM 40 MPH)

Intersection Control Devices: Type, Location and Cycle Timing

0.84 | 3 PHASE | (B71 0019 00178)

Traffic Stations (Current Year)

(B71 0019 00000) | B71 0019 00008 | B71 0019 00079 | B71 0019 00130 | B71 0019 00183 | B71 0019 00249 | B71 0019 00289 | B71 0019 00322

HPMS Sections – AADT 2009

(14,969) | 14,969 | 19,625 1.30 | 26,263 | (11,800) | 10,705 2.49 | 16,254 | 16,254 | 15,165

HPMS Sections – AADT 2008

(14,939) 0.38 | 14,939 | 19,586 | 26,211 | (9,891) | 10,684 | 16,222 | 16,222 | 15,135

HPMS Sections – AADT 2007

15,255 | 20,000 | 26,765 | (10,100) | 10,910 | 16,565 | 16,565 | 15,455

0.79 | 1.33 | 1.78 | 1.83 | 2.48 | 2.89 | 3.22

DOD Sections

Census Tracts

Functional Classification — PRINCIPAL ARTERIAL (3)

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

Previous Projects: Project No., Date and Limits

0.76 | STP-019-2(32), (R), 1996 1.07

1.00 | BR-F-019-2(27), (BR. REPLACEMENT), 1993 1.49

STP-0100(037), (IMPRV.), 1997 0.76 | 0.81 | 19L-01-82M, (R), 1982

0.15–(19L-01-82M, (R), 1982) 1.31 | 19L-01-79M, (R), 1979 | (SDR 3(8), 1950) 2.49 | 19 K-01-72, (R), 1972 | 19K-01-85M, (RESURFACE), 1985 | 4.60 | 19J-02-88M, (R), 1988

SDR-2(2), 1951 | 19JK-01-70 (RESURFACE & REHAB) 1971 | SDR 3(1), 1948 | 4.65 | SDR-3(4), 1950

COUNTY TO STATE (PHASE 1) 1.42 | 60+00 | 0+00 | 2.57 | 132+42 | 86+64

SCALE: (In Miles) 4" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
6/06	D.B.
9/10	D.B.
2/11	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

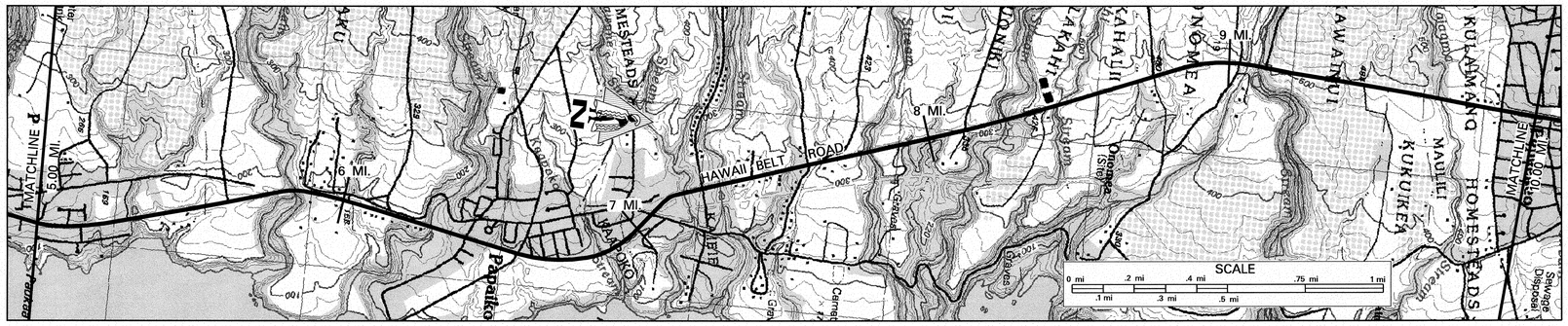
Total Route Length: 99.59 miles

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′ | STEEL GIRDER & FLOOR BEAM H–20, 1950 415′ | PRESTRESSED BEAM HS–20, 1967 210′ | PRESTRESSED BEAM HS–20, 1967 145′ | PRESTRESSED BEAM HS–20, 1968 424′ | STEEL GIRDER & FLOOR BEAM H–20, 1948 71′ | PRESTRESSED BEAM 1968, HS–20 198′

Vertical Clearance: 5.82 | 6.27 | 7.29 | 7.77 | 8.20 | 9.08 | 9.86

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

Structure Over 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′ (7.80) | 80′–135′

Available Right of Way Width (Needs Study): (SUGAR CANE) 9.55 | 9.69 RESIDENTIAL

Right of Way Fence: Type – Right and Left

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

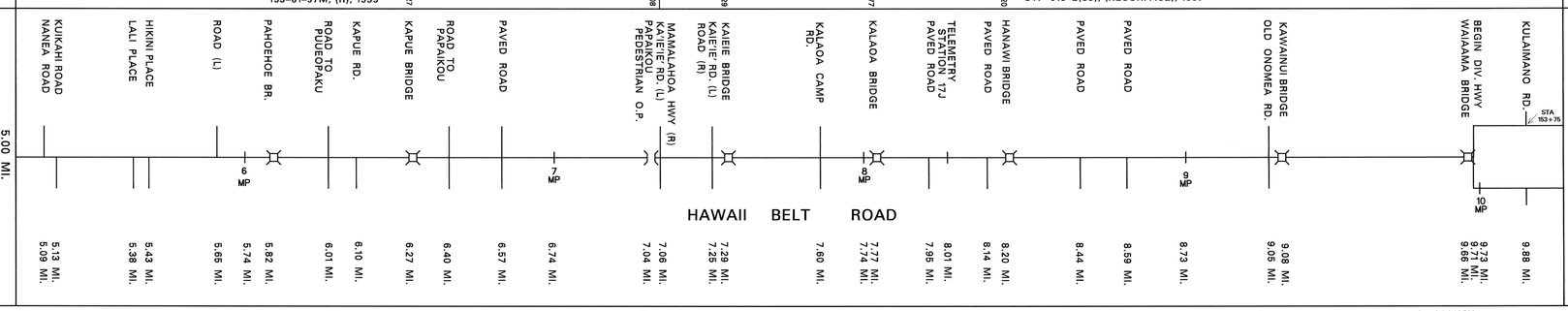
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE

Project No., Type of Construction, and Year Constructed: (19HJ-02-95M, (BRIDGE REPAIR), 1996) | STA 144+40 9.98 | 19J-01-02 IMP 2005 9.70 | STA 159+00

Project No., Type of Construction, and Year Constructed: 19J-01-97M, (R), 1999 6.27 | 7.08 | 7.29 | 7.77 | 8.20 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 (6.28) | 5′ AC (6.31) | 6′ AC (5.47) | 5′–10′ AC (6.46) | 6′ AC (6.57) | 5′–8′ AC (7.08) | 8′–14′ GRASS/GRAVEL (8.04) | 4′ AC (8.41) | 8′–18′ GRAVEL (8.82) | 11′–19′ GRAVEL (9.54) | 3′ AC (9.65) | 6′ AC (9.98) (2′–4′ AC)

Pavement: Width and Type: 24′ AC (7.08) | 22′ AC (8.31) | 35′ AC (8.89) | 22′ AC (9.60) | 12′ AC

Shoulder: Width and Type: 6′ AC (6.08) | 5′ AC (6.18) | 6′ AC | 8′–12′ GRASS/GRAVEL (8.21) | 4′–6′ AC (8.45) | 6′–15′ GRAVEL (9.08) | 18′–23′ GRAVEL (9.54) | 0

Divided

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) | 2–12′

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): (10′ TL) (9.77) (9.92)

(Right Side): 1–13′ 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.

Illumination: Type, Location and Number: 7 Low Pressure Sodium (9.72–9.92)

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) (6.97–7.82) FLASHING WARNING LIGHTS 6.97 | 7.19 | 55 MPH (2), MINIMUM 40 MPH

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0019 00322 | B71 0019 00640 | B71 0019 00760 | B71 0019 00966

HPMS Sections – AADT 2009: 15,165 | 10,902 | 14,400 | 9,616

HPMS Sections – AADT 2008: 15,135 | 10,880 | 10,700 | 9,597

HPMS Sections – AADT 2007: 15,455 | 11,110 | 11,110 | 9,800

DOD Sections: 6.40 | 7.60 | 9.69

Census Tracts

Functional Classification: PRINCIPAL ARTERIAL (3)

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

Previous Projects: Project No., Date and Limits

19J-02-88M, (R), 1988 6.35 | 7.08 | 19J-01-85M, (R), 1985 9.12 | 9.16 | 19J-01-85M, (R), 1985 9.05 | 19J-03-85M, (R), 1985

19 JK-01-70, (RESURF. & REHAB), 1971 | 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 (125+63.70) | 0+00 | (F-019-2(8), 1968) | F-AF 14B(1), 1949 | (19GHJ-01-76M, (R), 1976)

SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

Date Released
Feb 2006, D.B.

Revised	
5/06	*G.N.*
12/09	*D.B.*
2/11	*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

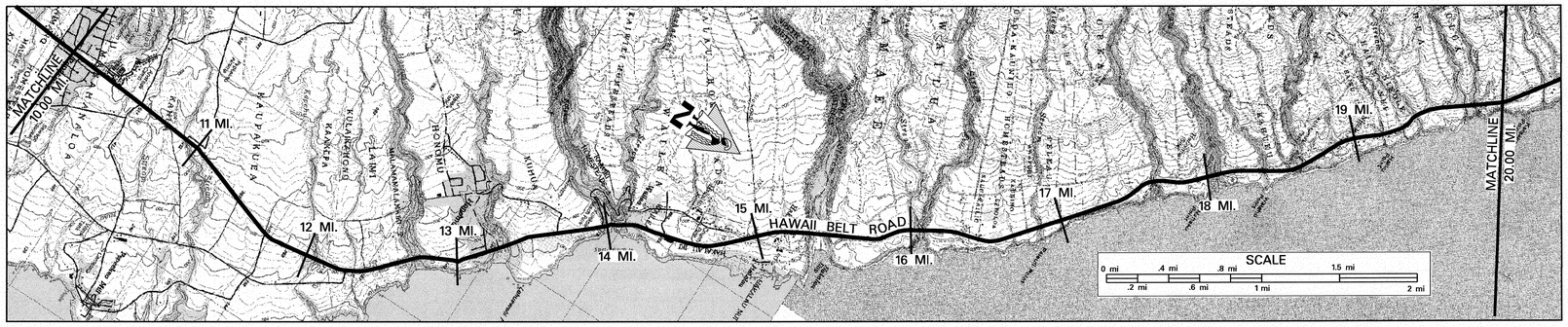
Total Route Length: 99.59 miles

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

19J (10.76 MI.) | END 19H – BEGIN 19J AT THE CENTERLINE OF HAKALAU ROAD (14.96) | 19H (14.26 MI.)

Structure Carrying Road

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

| | | |

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

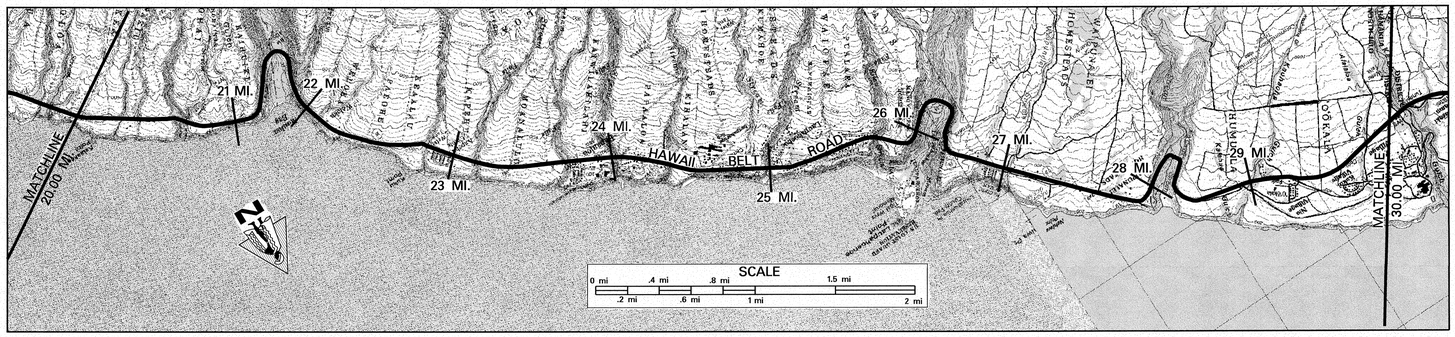
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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'
- Horizontal Clearance
  - 16'-4"
  - 40'

Structure Over Road

- Vertical Clearance
- Horizontal Clearance
  - (BUSHES, TREES, CANEFIELD)

- Right of Way Width (min.–max.) if varies
  - 70' – 160' | 100' – 220' | 50' | 100' – 215' | 100' | 100' – 150' | 95' – 165' | 100' – 140'
- Available Right of Way Width (Needs Study)
  - BRUSH AND LARGE TREES | 1000' CLEAR SUGAR CANE 20' FROM PAVEMENT | RESIDENTIAL AREA | LARGER TREES AND CUT SLOPES; BRUSH | 1000' CLEAR – SUGAR CANE 20' FROM PAVEMENT
- Right of Way Fence: Type – Right and Left
  - (WIRE ON WOOD, 20' 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
  - 19H–01–82M, 1982 — STP–019–2(33) — 1997 (R)
  - (19HJ–02–95M (BRIDGE REPAIRS) 1996) — STP–019–1(30) RESURFACE — 1995
  - STP–019–2(33) — 1997 (R)
  - 19H–01–99M RESURFACE — 2000
  - STP–019–2(37) RESURFACE — 1997
- Project No., Type of Construction, and Year Constructed
  - STP–019–2(36) — 1998 RESURF

CONTINUED FROM SHEET #3

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

MP: 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 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. | 22.88 MI. | 22.92 MI. | 23.09 MI. | 23.66 MI. | 23.75 MI. | 23.96 MI. | 24.04 MI. | 24.20 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. | 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 (6'–12' AC) | (1'–5' GRV.) | 4'–8' AC | 7'–30' GRS. | 5' AC | 5' AC | 6'–8' GRASS | 4'–8' AC (6' GRS.) | 2'–4' AC | 4' AC | 4'–7' AC | 4' AC | 3' AC | 4'–6' AC | 4' AC | 5'–10' AC | 4' AC
- Pavement: Width and Type
  - 36' AC | 24' AC | 24' AC | 36' AC | (24' AC)
- Shoulder: Width and Type
  - 6' AC | 8' GRASS | 3' AC | 5' AC | 4'–6' AC | 5' AC | 15'–20' GRS. (5'–13' AC) (10'–24' GRS) | 6'–10' GRASS (5' AC) (4'–8' GRS.) | 6'–10' GRASS (2'–6' AC) | 4'–6' AC (6' GRS.) | 4' AC | (4'–6' AC) | 4' AC | 4' AC | 6' AC | 4' AC | 6' AC | 4' AC | (4' AC)
- Median: Width and Type
- Median Barriers:
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type

- Number of Traffic Lanes
  - 2–12' | (1–12') | 2–12' | 2–12' | 2–12' | 1–12' | 1–12'; 1–12' TRUCK CLIMB LANE | (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)
  - (2'–6' CONC. GUTTER) | 8' CONC. S.W. (1'–6' CONC. GUTTER) | (5' CONC. GUTTER) | (CONC. CURB & GUTTER)
- Protective Devices: Type, Location and Number (1) METAL ON METAL (2) WOOD ON CONCRETE (3) METAL ON CONCRETE
  - STONE CURB | 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:
- Terrain: 1–Flat, 2–Rolling, 3–Mountainous
  - ROLLING | MOUNTAINOUS | ROLLING | RURAL | MOUNTAINOUS | ROLLING | MOUNTAINOUS | ROLLING
- Speed: 1–Design, 2–Posted
  - 55 mph (2) 55 mph (2) – MINIMUM 40 MPH | 45 MPH (2) | 55 MPH , MINIMUM 40 MPH | 45 MPH 55 MPH, MINIMUM 40 MPH | 55 MPH , MINIMUM 40 MPH | (55 MPH (MINIMUM 40) (2))
- Intersection Control Devices: Type, Location and Cycle Timing
- Traffic Stations (Current Year)
  - B71 0019 01916 | B71 0019 02366 | B71 0019 02690
- HPMS Sections AADT 2009
  - 7,236 | 7,236 | 7,236
- HPMS Sections AADT 2008
  - 7,222 | 7,222 | 7,222
- HPMS Sections AADT 2007
  - 7,375 | 7,375 | 7,375
- DOD Sections
- Census Tracts
- Functional Classification
  - PRINCIPAL ARTERIAL (3)
- National Highway System (NHS)
  - ON NHS (1)
- Previous Projects: Project No., Date and Limits
  - (19H–02–87M, (R), 1987) — 19GHJ–01–76M, (R), 1976 — 19H–01–82M, 1982 — 19H–01–70, 1971 — (19H–01–70, 1971) (SDR–3(15), 1950) — SDR–3(16), 1951 — (SDR–3(3), 1948) — SDR–3(22), 1948 — SDR–3(5), 1955 — (SDR–019–2(1), 1955) — 19H–02–82M, (R), 1982 — 19H–01–91M, (R), 1991 — SDR–3(17), 1953 — 19HJ–01–78M, (R), 1978 — SDR–3(18), 1955 — F–019–2(2), 1957 — 19H–01–89M, (R), 1990 — PMS–0100(11), U–2, 1978 — 19GHJ–01–76M, (R), 1976 — STP–019–2(37), RESURFACE, 1997 — 19H–01–87M, (R), 1987 — 19GHJ–01–85M, (R), 1979 — 19GHJ–02–71, U–2, 1979 — 19G–01–72, (R), 1972 — (TRUCK CLIMB LANE) — 19G–01–72, (R), 1972 — 19G–01–85, 1986, TRUCK CLIMB LANE

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
6/06	*D.B.*
12/09	*D.B.*
2/11	*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

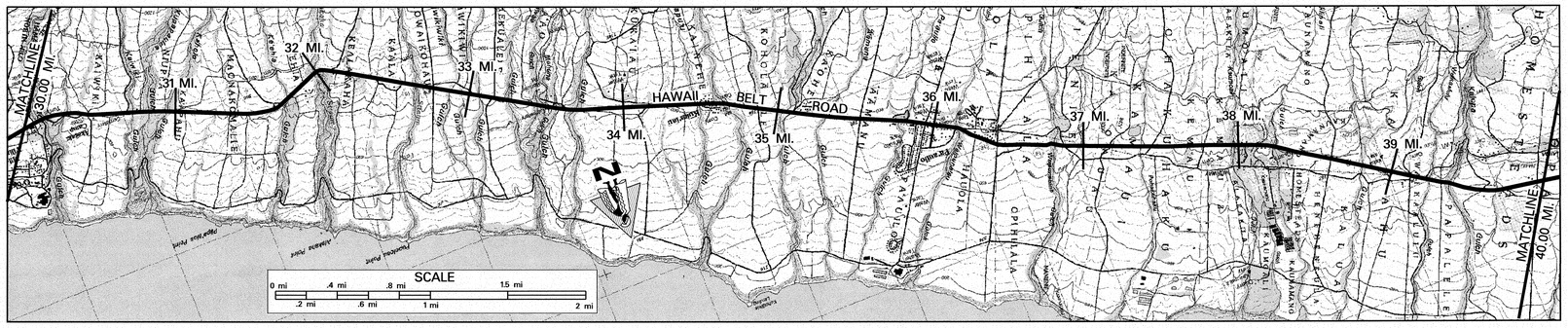
Total Route Length: 99.59 miles

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 | CONC. MASONRY ARCH 1935, H-15 WIDEN IN 2005 HL-93 | TEE BEAM 1935, H-15 | POST TENSIONED CONC. BOX GIRDER 2009, HS-20-44 | TEE BEAM 1935, H-15 | STEEL MULTISTRINGER 1951, H-20 | PRESTRESSED CONC. GIRDER, 1985, HS-20 – 44 (BOTH BRIDGES) | TEE BEAM, 1938, H-15 | PRESTRESSED CONC. GIRDER 1982, HS-20-44 | PRESTRESSED T – BEAM 1981, HS-20-44 | CONC. BOX GIRDER 1959, HS-20 | TEE BEAM 1959, HS-20 | CONC. BOX GIRDER 1959, HS-20

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

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

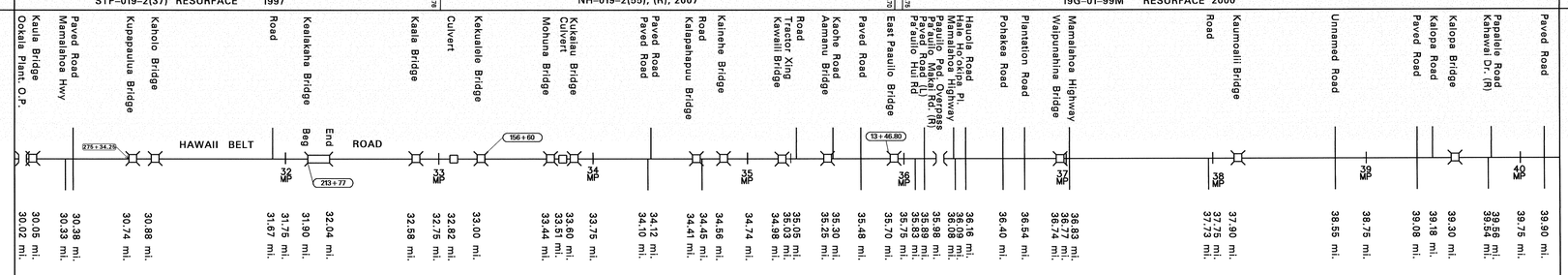
Project No., Type of Construction, and Year Constructed: STP–019–2(37) RESURFACE 1997 | NH–019–2(55), (R), 2007 | 19G–01–99M RESURFACE 2000

Project No., Type of Construction, and Year Constructed: (BR–019–2, BR. RPLCMT., 2009) | BR–019–2(38), BRIDGE WIDENING, 2005 | (EQ. 221+10/221+85.23) | (BRF–019–2(14), 1981) | (NH–019—1(37), GRD RAIL & SHLDR IMP., 2009)

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 | 10' PCC | 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 | 10' AC | 4' AC | 4' AC | 10' PCC | 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 Stations (Current Year): B71 0019 02690 | B71 0019 03530 | B71 0019 03640

HPMS Sections – AADT 2009: 7,236 | 7,236 | 7,236

HPMS Sections – AADT 2008: 7,222 | 7,222 | 7,222

HPMS Sections – AADT 2007: 7,375 | 7,375 | 7,375

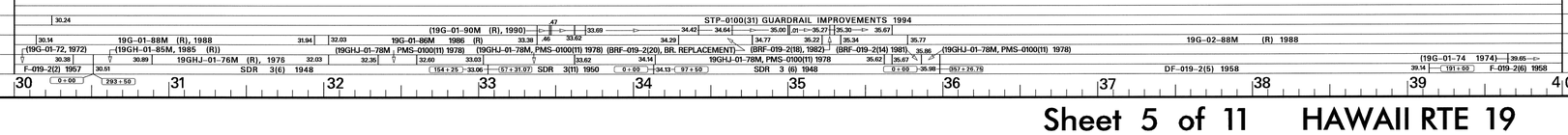
DOD Sections

Census Tracts

Functional Classification: PRINCIPAL ARTERIAL (3)

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

Previous Projects: Project No., Date and Limits



SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.
Revised
5/06 G.N.
1/08 D.B.
12/09 D.B.
2/11 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

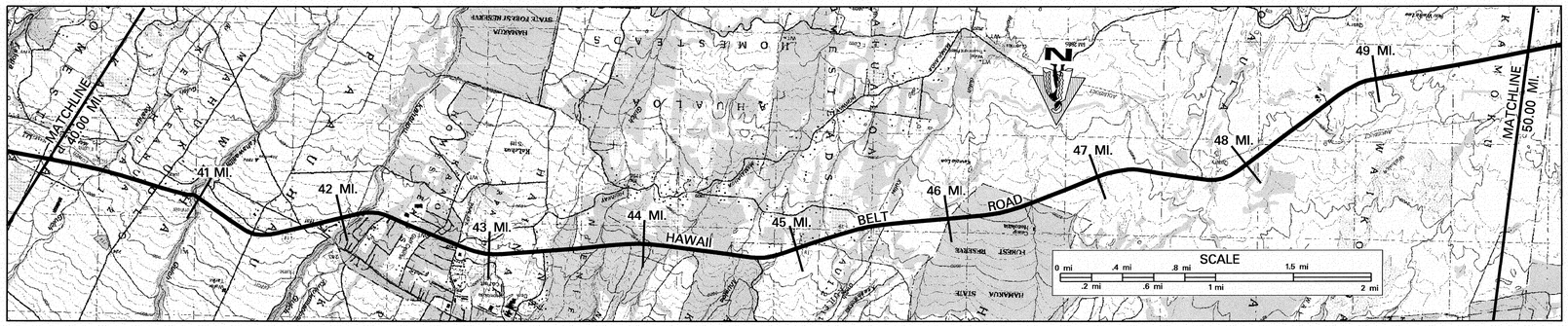
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

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

Maintenance Control Sections : Length and Description

19G (12.57 MILES) | 41.76 END 19F & BEGIN 19G ON HAWAII BELT RD. 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′ 41.39 | VARIES 100′ – 180′ 42.60 | 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) 46.99

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

73+00 41.38 NH-019-1(36), GUARDRAIL & SHOULDER IMPRV., 2010 42.74 0+00

Project No., Type of Construction, and Year Constructed

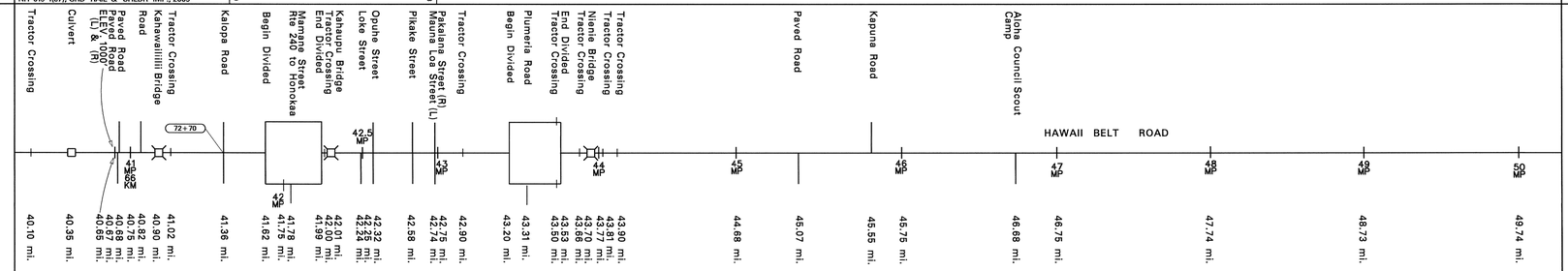
71+00 41.39 NH-019-1(37), GRD RAIL & SHLDR IMP., 2009 | STP-019-1(17) RESURF. 1996 43.13 | 19F-01-97M RESURF. 1999

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUE FROM SHEET #5



CONTINUE ON SHEET #7

SCALE: (In Miles) 2" = 1 mile

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 | 10′–16′ AC 40.24 | 40.73 6′ – 8′ AC 41.37 | 4′–6′ AC 41.75 | 0 | 4′–6′ AC 42.00 | 42.73 6′ AC | 0 | 6′ AC

Median: Width and Type

0′ – 16′ PAINTED AC 41.99 | 43.18 12′ PAINTED AC 43.57

Median Barriers:

(CENTERLINE MILLED RUMBLE STRIP)
(RAISED PAVEMENT MARKERS CENTERLINE RUMBLE STRIP)

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)

1–13′ ACEL 41.78 41.88 1–13′ (L) T.L. | 43.32 43.48 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

METAL ON METAL | METAL RAILS ON CONCRETE POST 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:

RURAL

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

ROLLING

Speed: 1–Design, 2–Posted

55 MPH (2) 41.68 | 55 MPH (MIN. 40 MPH) (2) 55 MPH (2) 41.84 | 45 MPH (1) 42.93 | 55 MPH (MIN. 40 MPH) (2) 55 MPH (2) 47.31 | 45 MPH (MIN. 40 MPH) (2) 55 MPH (MIN. 40 MPH) (2) 47.54

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

B71 0019 03640 | B71 0019 04136 42.75 | B71 0019 04275 | B71 0019 04555

HPMS Sections – AADT 2009

7,236 | 7,634 | 8,822 | 8,920

HPMS Sections – AADT 2008

7,222 | 7,619 | 8,804 46.95 | 8,902

HPMS Sections – AADT 2007

7,375 41.38 | 7,780 42.74 | 8,990 | 9,090 47.74 | 9,090 48.73

DOD Sections

Census Tracts

Functional Classification

PRINCIPLE ARTERIAL (3)

National Highway System (NHS)

ON NHS (1)

Previous Projects: Project No., Date and Limits

42.73 STP-019-1(25) SHOULDER IMPROVEMENT 1998

19G-01-99M (RESURF) 2000 40.73 | STP-019-1(17) RESURF. 1996 42.74 | 19EF-01-89M (RESURF) 1990

STP-0100(31), GUARDRAIL IMPROVEMENT 1994 42.73

19G-02-88M RESURF. 40.75 40.77 | 19FG-01-81M RESURF. 1982 42.76

19G-01-74 1974 41.41 | 19F-01-78M 1978 (R) 43.15 | F-019-1(5) 1986 Inter. Impr. 43.57

F-019-2(6) 1958 | (F-019-1(1), UNIT 2 1961) 41.52 | SDR 3(7) 1952 & 1953 | F-019-1(1), UNIT 2 1961

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
D.B. 9/10
D.B. 2/11

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

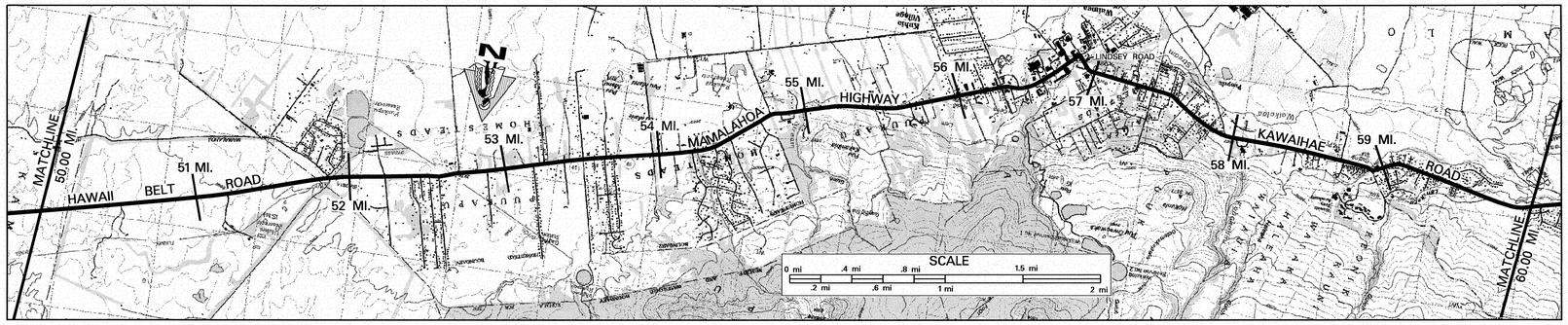
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60

Maintenance Control Sections : Length and Description

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

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'

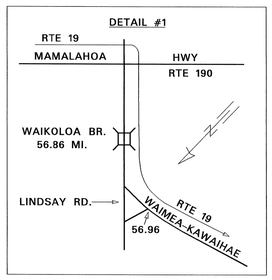
Right of Way Fence: Type – Right and Left
WIRE ON WOOD 20' FROM EDGE OF PAVEMENT LEFT AND RIGHT

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 | (829 + 50) STATE (779 + 80) (604 + 71.30)

Project No., Type of Construction, and Year Constructed
19F–01–97M (RESURF) 1999 | STP-0100(42) COUNTY RESURF (MPH) 2000 | STP-019-1(24) RESURF IMPR (SEE ALSO RTE 190) 2000 | RS-0250(05) COUNTY (RESURF) 1986 | 19D–01–06M, RESURF, 2008 | NH–019–1(34), (R), IMPV., 2007

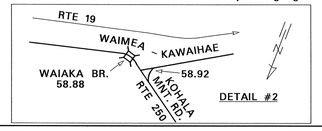
Project No., Type of Construction, and Year Constructed
STP-019-1(25) 1998 SHLDR IMPR | 19EF–01–89M (RESURF) 1990 | WDR 2(1) 1947 | 19D–01–91M (RESURF) 1992 | 19D–01–96M RESURF 1998



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage



CONTINUE FROM SHEET #6

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

Mauna Kea Meadows Ranch Road | Culvert | Begin Divided | Culvert | End Divided | Road to Waimea C.C. Golf Course | Culvert | Mud Lane (R) Namahaha Hwy (L) | End State Hwy Sign | Ke Kahu'u'u Street (R) Kipu'uiu Street (L) | Nuuanu Street | Noakoli Street | Hoohuli Street | Puhuanui Place | Road to U.H. Exp. Station | Kaukeke Street | Kalaoa Street | Nani Waimea Street | Kalaoa Street | White Road | Kipahehe Street | Hoohoa Street (R) | Culvert | Culvert | Honoka Drive | Puunani Street | Iokua Place | Puunani Drive | Begin Divided | End Divided Hwy. | Culvert | Makuloa Drive | Kekamihia Road | Road | Akakaulewa Road | Iona Court | Waiakoehua Place | Waiakoehua Place | Kohanaiki Street | Kamamalu Street | Paved Road | Lucy Henriques Med. Center | Pukalani Road | SEE DETAIL #1 | Lindsey Road | Waikoloa Bridge | Waikoloa Hwy (Route 190) | Paved Road | Opelo Road | Kaiminani Drive | Ho'olipa Road | Puu Opalu Road | Laelae Road | Begin & End State Hwy signs | Ko Ula Street | Private Road | Paved Road | Begin Divided | End Divided | Road to Waikoloa | Begin Divided | Waikoloa Road | Kohala Mountain Road | Akulani Street | SEE DETAIL #2

51 MP | 52 MP | 53 MP | 54 MP | 55 MP | 56 MP | 58 MP | 60 MP | (787 + 90) | (480 + 20)

50.48 mi. | 50.71 mi. | 51.03 mi. | 51.17 mi. | 51.32 mi. | 51.47 mi. | 51.74 mi. | 52.07 mi. | 52.19 mi. | 52.36 mi. | 52.53 mi. | 52.64 mi. | 52.76 mi. | 53.03 mi. | 53.23 mi. | 53.48 mi. | 53.68 mi. | 53.82 mi. | 53.88 mi. | 54.06 mi. | 54.21 mi. | 54.39 mi. | 54.44 mi. | 54.61 mi. | 54.75 mi. | 54.79 mi. | 54.96 mi. | 55.23 mi. | 55.41 mi. | 55.67 mi. | 55.88 mi. | 56.14 mi. | 56.26 mi. | 56.31 mi. | 56.52 mi. | 56.60 mi. | 56.93 mi. | 57.24 mi. | 57.36 mi. | 57.46 mi. | 57.60 mi. | 57.71 mi. | 57.77 mi. | 57.90 mi. | 58.24 mi. | 58.19 mi. | 58.36 mi. | 58.60 mi. | 58.75 mi. | 58.78 mi. | 58.82 mi. | 58.86 mi. | 58.89 mi. | 58.92 mi. | 58.96 mi. | 58.98 mi. | 59.38 mi. | 59.78 mi.

SEE DETAIL #2

CONTINUE ON SHEET #8

SCALE: (In Miles) 2" = 1 mile

50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60

Divided Highway

Undivided

- **Shoulder: Width and Type**
  - 6' AC | 12' – 24' GRASS | 10'–20' GRASS | 8' AC | 0 | 10'AC | 6' AC | 4'–6' AC | 5' AC | 4' AC | 10' AC
- **Pavement: Width and Type**
  - 24' AC | 12' AC | 24' AC | 2½ AC | 20' AC | 12' AC | 20' AC | 11' AC | 2½ AC | 20' AC | 24' AC | 22' AC | 11' AC | 22' AC | 20' AC
- **Shoulder: Width and Type**
  - 6' AC | 0 | 6' AC | 7' – 15' GRASS | 4'–10' DIRT | 4'–10' DIRT | 4'–6' DIRT | 0 | 12'–24' GRASS | 11' AC | 11' DIRT | 4" AC | 0 | 2½ AC | 0 | 10'AC | 6' AC | 4' AC | 4'–6' AC | 0 | 4'–6' AC | 5' AC | 4' AC | 10' AC

Median: Width and Type

Median Barriers:
0'–12' PAINTED AC | 0–12' PAINT | 12' PAINTED AC | 9'–10' RAISED CONC | 0–10' AC

- **Shoulder: Width and Type**
  - 0 | 0 | 0 | 0 | 0
- **Pavement: Width and Type**
  - 12' AC | 12' AC | 11' AC | 11' AC
- **Shoulder: Width and Type**
  - 6' AC | 4'–8" AC | 8" AC | 4'–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. | 10' TL

(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:

Terrain: 1–Flat, 2–Rolling, 3–Mountainous
RURAL (1) | SMALL URBAN | ROLLING

Speed: 1–Design, 2–Posted
ROLLING: 45 MPH (MIN 40 MPH) (2); 55 MPH (MIN 40 MPH) (2) | 45 MPH (2) | ROLLING FLAT: 35 MPH (2) | 2 PHASE TRAFFIC LIGHT | 25 MPH (2) | 35 MPH (2) | ROLLING: 45 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)
B71 0019 04555 | B71 0019 05182 | B71 0019 05209 | B71 0019 05652 | B71 0019 05681 | B71 0019 05790 | B71 0019 05892

HPMS Sections – AADT 2009
8,920 | 12,300 | 14,866 | 18,100 | 16,500 | 14,866 | 9,218

HPMS Sections – AADT 2008
8,902 | 8,902 | 14,836 | 19,884 | 17,706 | 14,836 | 9,200

HPMS Sections – AADT 2007
9,090 | 15,150 | 16,770 | 20,305 | 18,080 | 15,150 | 9,395

DOD Sections

Census Tracts

Functional Classification
PRINCIPAL ARTERIAL (3)

National Highway System (NHS)
ON NHS (1)

Previous Projects: Project No., Date and Limits
19EF–01–89M RESURF 1990 | HES–0100(28) PHASE 2 SAFETY IMPRV 1987 | (19D–01–90M (R) 1991)
19F–02–78 SHLDR STABILIZATION | 19D–01–91M (R) 1992 | 19D–01–82M 1982
19F–01–78M RESURF 1978 | WDR 2(1) 1947 | RS–0250(05) COUNTY RESURFACE 1986 | 19D–01–72 (R) 1972
F–019–1(1), UNIT 2 1961 | (390 + 00) | HES–0100(26) CURVE IMPRV. COUNTY 1986 | WDRC 12(1) 1947 (829 + 50.00) | FAP E–11A 1933 (1 + 77.90) | NRH 11C 1933 (504 + 77.30)

SCALE: (In Miles) 2" = 1 mile

50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60

Date Released
Feb 2006, D.B.
Revised
G.N. 4 / 06
D.B. 1/08
D.B. 4/09
D.B. 9/10
D.B. 2/11

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

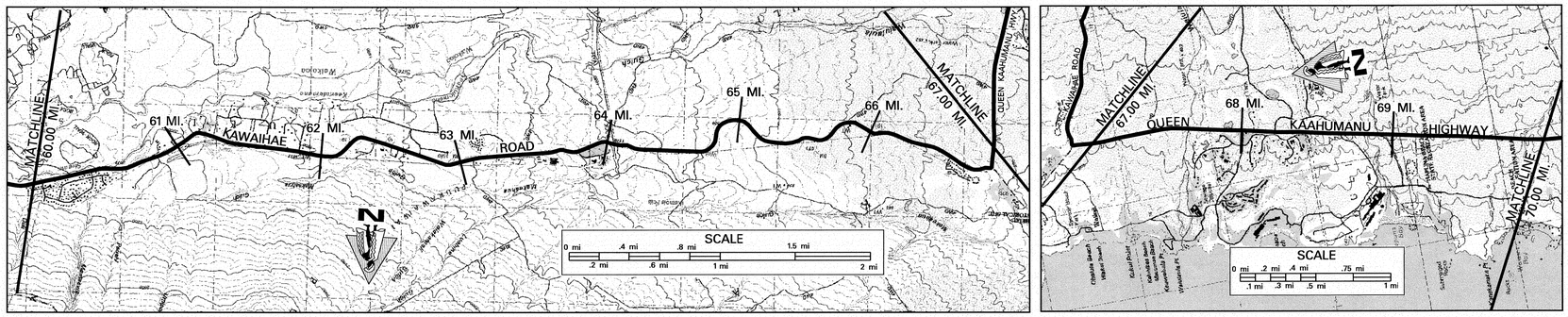
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

60 61 62 63 64 65 66 67 68 69 70

Maintenance Control Sections : Length and Description

19D (8.92 MILES) | END 19C – BEGIN 19D ON QUEEN KAAHUMANU HWY AT CENTERLINE OF KAWAIHAE-MAHUKONA ROAD (66.02) | 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)

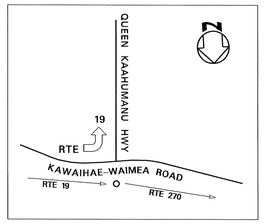
Right of Way Fence: Type – Right and Left: WIRE ON WOOD 20' FROM EDGE OF PAVEMENT (61.07–62.16) | WIRE ON WOOD 20' FROM EDGE OF PAVEMENT

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

Project No., Type of Construction, and Year Constructed: NH–019–1(34), RESURFACE, IMPV., 2007 | (19D–01–72 (R) 1972) NH–019–1(29), GUARDRAIL & SHLDR. IMPR., 2006 | (19C–01–76M RESURF 1977) NH–019–1(28), GUARDRAIL & SHOULDER IMPRV., 2006 | (19C–01–94M, 1994 SHLDR IMPROV) STATE | 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. | 19C–01–78 1978 SHLDR. STAB. | NH–019–1(31) GUARDRAIL & SHLDR IMPR 2004



DETAIL

Road Diagram

* MP = Milepost Signage

CONTINUE FROM SHEET #7

Ohina Street (60.02 mi.) | Mahua Street (60.36 mi.) | Paved Driveway (60.58 mi.) | Electric Power Sub-Station (60.75 mi.) | Ouli Street (60.91 mi.) | Kanehoa Street (61.58 mi.) | Kahilnu Place (61.81 mi. / 61.77 mi.) | Anekona Street (62.36 mi.) | Waiula Drive (62.77 mi. / 62.67 mi.) | Waiemi Street (63.24 mi.) | Tractor Crossing (63.83 mi. / 63.75 mi.) | Entrance to Water Supply Tank (64.30 mi.) | Hulukupuna Street Begin Divided (64.77 mi.) | SEE DETAIL Kawaihae Road (Rte 270) and End Divided (65.77 mi.) | Culvert (66.50 mi.) | Culvert (66.79 mi. / 66.76 mi. / 66.71 mi.) | Begin Divided Mauna Kea Beach Hotel Road (67.21 mi.) | End Divided Kauna Oa Drive Hotel and Golf Xing (67.95 mi. / 67.85 mi. / 67.81 mi.) | Begin Divided Kea Kea Lani Bridge (68.16 mi.) | End Divided (68.31 mi.) | Begin Divided (68.57 mi.) | Hapuna Bay Drive (68.74 mi.) | End Divided (68.93 mi.) | (69.20 mi.) | (69.77 mi.)

KAWAIHAE ROAD — QUEEN KAAHUMANU HIGHWAY

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

195+00 | 1507+75

CONTINUE ON SHEET #9

SCALE: (In Miles) 2" = 1 mile

60 61 62 63 64 65 66 67 68 (10' GRV) (6' AC/4' SEAL COAT) 69 70

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 | 12' AC | 6' AC | 12' AC | 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 | 24' AC | 12' AC | 24' AC
- 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 | 6' AC/4' SEAL COAT | 12' AC | 6' AC/4' SEAL COAT

Divided Highway

- Median: Width and Type: 0 – 11' PAINTED MEDIAN | 0 – 11' PAINTED MEDIAN
- Median Barriers:
- Shoulder: Width and Type: 0 | 0
- Pavement: Width and Type: 12' AC | 12' AC
- Shoulder: Width and Type: 10' GRV | 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): BITUMINOUS CURB

Protective Devices: Type, Location and Number ALL METAL ON METAL UNLESS INDICATED: (ALL GUARDRAILS M/M)

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: (SMALL URBAN) | RURAL | SMALL URBAN

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 Stations (Current Year): B71 0019 05892 | B71 0019 06036 | B71 0019 06679

HPMS Sections – AADT 2009: 9,218 | 8,822 | 11,697

HPMS Sections – AADT 2008: 9,200 | 8,804 | 11,673

HPMS Sections – AADT 2007: (9,395) 8,990 | 8,990 | 11,920

DOD Sections

Census Tracts

Functional Classification: PRINCIPLE ARTERIAL (3)

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

Previous Projects: Project No., Date and Limits

(19D–01–90M RESURF 1991) (19D–01–90M (R) 1991) (HES–0100(28) PHASE 2 SAFETY IMPROV 1987) 19CD–01–97M RESURFACE 1999 | 19C–01–94M 1994 SHLDR IMPROV | NH–019–1(28), GUARDRAIL & SHOULDER IMPRV., 2006 | (NH–019–1(31) GUARDRAIL & SHLDR IMPR 2004) | (19D–01–82M, 1982) (HES–0100(28), PH 2 SAFETY, 1987) (HES–0100(27), PH 1, 1986 SAFETY IMP.) 19D–01–72 RESURFACE 1972 (HES–0100(27), PH 1, 1986 SAFETY IMP.) | 19C–01–76M RESURF 1977 | 19BC–01–71, 1974 GRADING, 1975 PAVING | NRH–11C 1933 | FAP 11–8 1933 | G–3257–01–60 1962

SCALE: (In Miles) 2" = 1 mile

60 61 62 63 64 65 66 67 68 69 70

Date Released
Feb 2006, D.B.

Revised	
G.N.	4 / 06
D.B.	1/07
D.B.	2/08
D.B.	9/10
D.B.	2/11

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

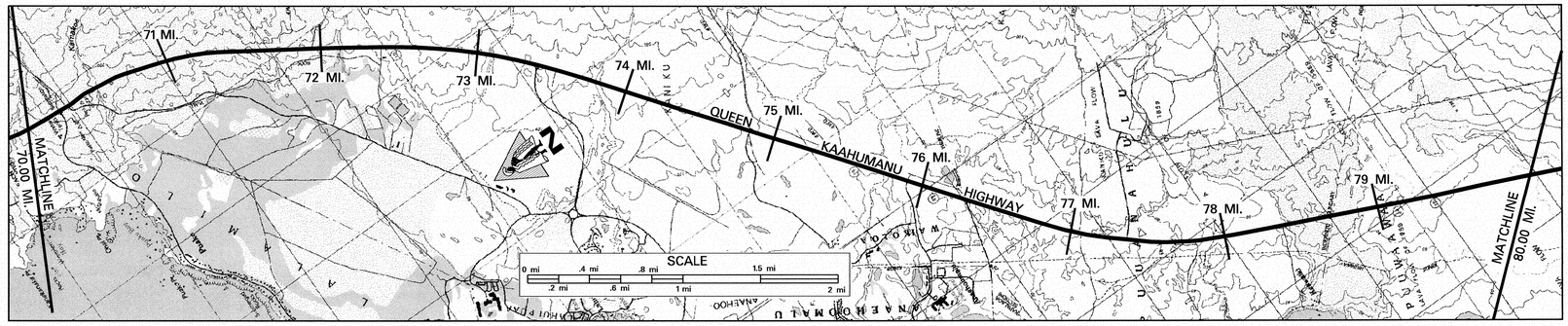
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

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' (74.06) 310' – 390' (79.82)

Available Right of Way Width (Needs Study)

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

Right of Way Fence: Type – Right and Left

NONE

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

NONE

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

STATE

Project No., Type of Construction, and Year Constructed

NH–019–1(33), RESURFACING, 2005

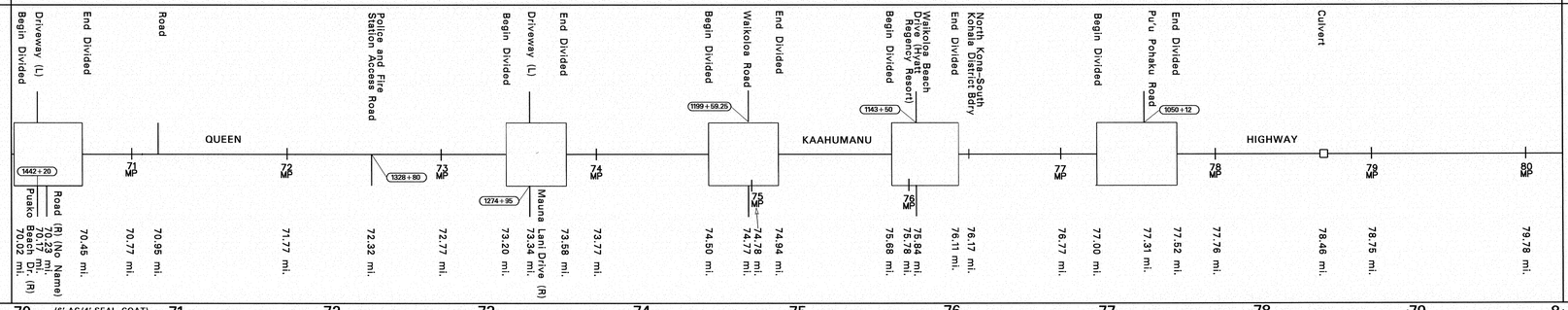
Project No., Type of Construction, and Year Constructed

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 (6' AC/4' SEAL COAT) 6' AC/4' SEAL COAT 6' AC 6' AC 10' AC

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

Shoulder: Width and Type (6' AC/4' SEAL COAT) 0 (12' AC) 6' AC/4' SEAL COAT 6' AC/4' SEAL COAT 0 (6' AC) 6' AC 0 6' AC 0 10' AC 0 10' AC

Median: Width and Type (6' AC/4' SEAL COAT)

Median Barriers: PAINTED MEDIAN 0' – 12'

Shoulder: Width and Type 0 0 0 0 0

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

Shoulder: Width and Type 6'AC/4' SEAL COAT (12' AC) 6' AC 6' AC 6' AC 10' AC

Number of Traffic Lanes 2 – 12'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

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

Illumination: Type, Location and Number NONE

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: SMALL URBAN

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 Stations (Current Year) B71 0019 06679 B71 0019 07334 B71 0019 07477 B71 0019 07584 B71 0019 07731

HPMS Sections – AADT 2009 11,696 11,696 14,272 14,272 11,800

HPMS Sections – AADT 2008 11,673 11,673 14,244 14,244 14,244

HPMS Sections – AADT 2007 11,920 11,920 14,545 14,545

DOD Sections

Census Tracts

Functional Classification PRINCIPAL ARTERIAL (3)

National Highway System (NHS) ON NHS (1)

Previous Projects: Project No., Date and Limits

19C–01–94M 1994 SHOULDER IMPROVEMENT
19BC–01–71 PHASE IIIA 1975 PAVING
19C–01–91M 1992 SHOULDER IMPROVEMENT
STP–019–1(23) 1997 SHOULDER IMPROVEMENT
19BC–01–71 (PHASE III B) (GRADING 1974 AND PAVING 1975)
G–3257–01–60 1962
19 BC–01–71 (PHASE IIIA) (GRADING) 1974
(200 + 31.87)
(1425 + 72.99)
(1198 + 50)
(1215 + 72.02)
(1142 + 00)

SCALE: (In Miles) 2" = 1 mile

70 71 72 73 74 75 76 77 78 79 80

Date Released
Feb 2006, D.B.

Revised	
G.N.	MAY 2006
D.B.	1/07
D.B.	3/08
D.B.	9/10
D.B.	2/11

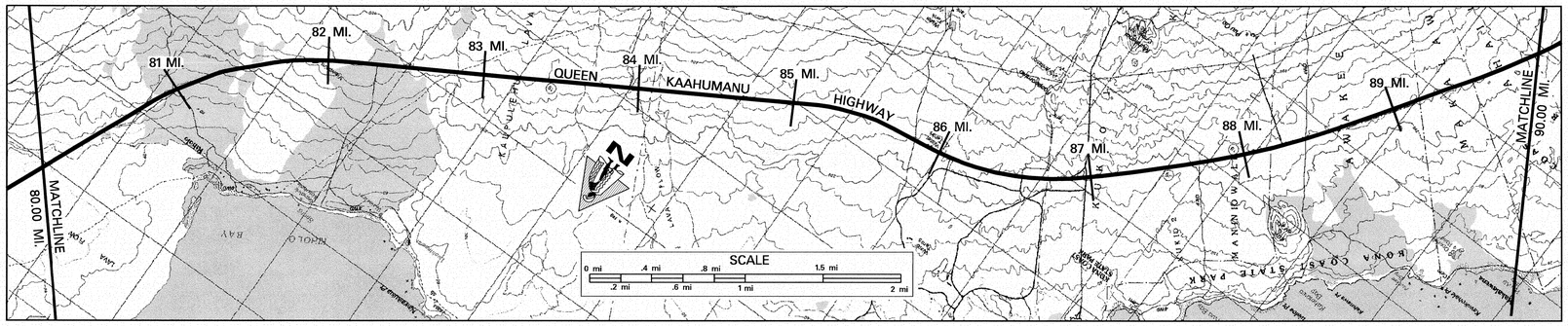
ROAD INVENTORY

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

Maintenance Control Sections : Length and Description

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

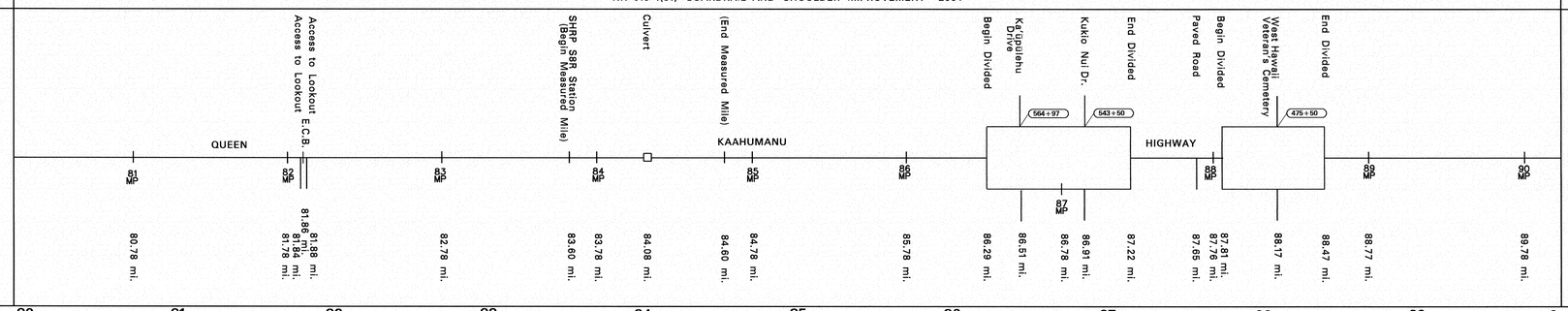
19C (15.04 MILES) | 89.88 END 19B – BEG 19C AT KIHOLO LOOKOUT | 19B (15.49 MILES)

Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed	
Structure Carrying Road — Vertical Clearance	
Structure Carrying Road — Horizontal Clearance	
Structure Over Road — Vertical Clearance	
Structure Over Road — Horizontal Clearance	
Right of Way Width (min.–max.) if varies	310' – 390'
Available Right of Way Width (Needs Study)	CLEAR 1000' – LAVA ROCK 8' – 10' FROM EDGE OF PAVEMENT
Right of Way Fence: Type – Right and Left	N O N E
Control of Access: 1–None, 2–Partial, 3–Full	N O N E
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	S T A T E
Project No., Type of Construction, and Year Constructed	NH-019-1(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

Divided Highway Undivided — Shoulder: Width and Type	10' AC | 15' AC | 10' AC | 15' AC | 10' AC | 8'–14' AC | 10' AC | 6' AC/8' GRAV | 10' AC
Pavement: Width and Type	24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC
Shoulder: Width and Type	10' AC | 15' AC | 10' AC | 15' AC | 10' AC | 0 | (10' AC) | 12' AC | 1' AC | (12' AC) | 0 | 10' AC
Median: Width and Type	0'–12' PAINTED AC | 0'–24' PAINTED AC | 0'–18' PAINTED AC
Median Barriers:	0 | 0
Shoulder: Width and Type	8'–10' AC | 12' AC | 24' AC | 12' AC | 12' AC
Pavement: Width and Type	8' AC | 10' AC | 12' AC | 8'–10' AC
Shoulder: Width and Type	
Number of Traffic Lanes	2 – 12' | 2 – 12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) All Turning Lanes = 12'	1–12' 2–12' 1–12'
(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	M/M | M/M | M/M | M/M | M/M | M/M
Illumination: Type, Location and Number	
Curves: Degree of Curvature (Right and Left)	
Superelevation (Range)	
Grades: % Grade, Positive or Negative	
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	SMALL URBAN
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	R O L L I N G (2)
Speed: 1–Design, 2–Posted	55 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Stations (Current Year)	B71 0019 07731 | B71 0019 08691
HPMS Sections – AADT 2009	11,800 | 14,272
HPMS Sections – AADT 2008	14,244 | 14,244
HPMS Sections – AADT 2007	14,545 | 14,545 | 14,545
DOD Sections	
Census Tracts	
Functional Classification	PRINCIPAL ARTERIAL (3)
National Highway System (NHS)	ON NHS (1)
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
D.B.	9/10
D.B.	2/11

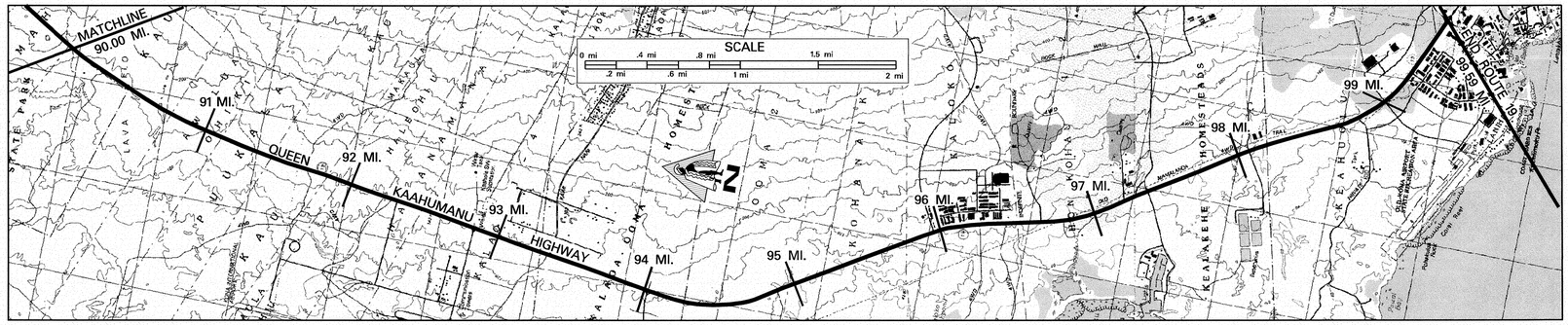
ROAD INVENTORY

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

Maintenance Control Sections : Length and Description

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

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' | 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): S T A T E | COUNTY TO STATE, PHASE 3

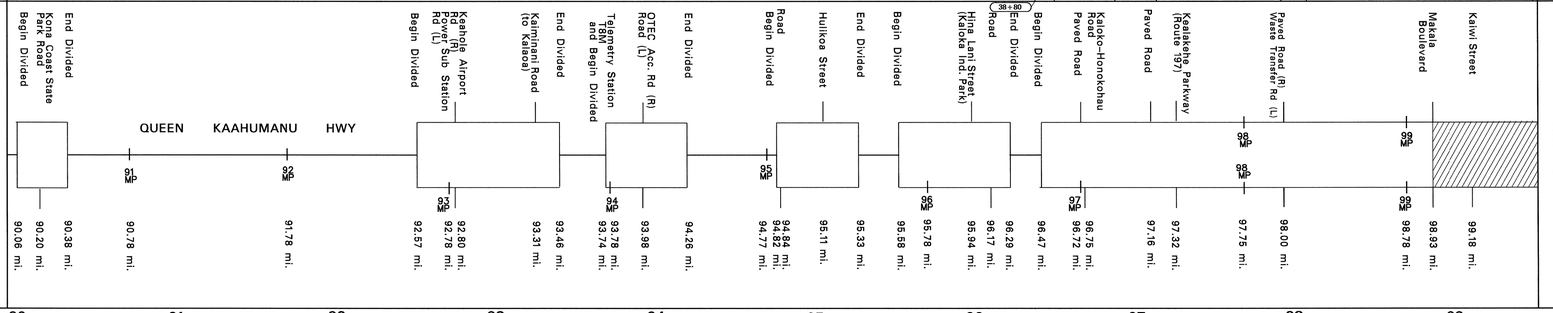
Project No., Type of Construction, and Year Constructed: (NH–019(33), RESUR., 2005) | NH–019–1(20), WIDENING, 2009 | 19A–01–97M RESURFACE 2000

Project No., Type of Construction, and Year Constructed: NH–019–1(31) GUARDRAIL AND SHOULDER IMPROVEMENT 2004 | (BD–69–352, PAVING 1969) | 19A–01–97M RESURFACE 2000

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage



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

SCALE: (In Miles) 2" = 1 mile

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

Divided Highway – Undivided

- Shoulder: Width and Type: 10' AC | 12' AC / 6' AC | 6' AC | 6' AC / 12' AC | 6' AC | 10'–12' AC / 6' AC / 11' AC | 10' AC | 0
- Pavement: Width and Type: (24' AC) 14' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 24' AC | 12' AC | 24' AC
- Shoulder: Width and Type: (10' AC) 0 | 10' AC | 0 | 6' AC | 0 | 6' AC | 0 | (6' AC) (12' AC) | 0 | (6' AC) (12' AC) | 0 | 5' AC | 2' AC (0)
- Median: Width and Type
- Median Barriers: 0' – 10' PAINTED AC | 0 – 14' PAINTED AC | 0 – 12' PAINTED AC | 0 – 12' PAINTED AC | 0 – 10' PAINTED AC | 0 – 12' PAINTED AC | 35'–75' GRAVEL FLUSH | 15'–40' GRASS (RAISED)
- Shoulder: Width and Type: 0 | 0 | 0 | 0 | 0 | 5' AC | 0 | 2' AC
- Pavement: Width and Type: 14' AC | 12' AC / 11' AC | 12' AC | 12' AC | 12' AC | 12' AC | 24' AC | 36' AC / 24' AC / 36' AC / 24' AC
- Shoulder: Width and Type: 12' AC | 10' SEAL COAT / 6' AC | 6' AC | 6' AC / 12' AC / 6' AC | 8'–10' AC / 6' AC | 10' AC | 2' AC / 0

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

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 12' AC | 1–12' | 1–11' | 1–12' | 2–12' TLs | 2–12' TLs | 5' AC BIKE LANE | 6' AC BIKE LANE | 10' CONC. PATH

(Right Side): ALL TLs 12'

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

Sidewalk: Width and Type (Right and Left)

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

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

Illumination: Type, Location and Number: HPS

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: SMALL URBAN

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: R O L L I N G (2)

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

Intersection Control Devices: Type, Location and Cycle Timing: 3 PHASE | 3 PHASE | 3 PHASE | 3 PHASE | 4 PHASE

Traffic Stations (Current Year): B71 0019 08691 | B71 0019 09280 | B71 0019 09732

HPMS Sections – AADT 2009: 14,272 | 23,700 | 29,340

HPMS Sections – AADT 2008: 14,244 | 21,700 | 29,281

HPMS Sections – AADT 2007: 14,545 | 24,445 | 29,900

DOD Sections

Census Tracts

Functional Classification: PRINCIPLE ARTERIAL (3)

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

Previous Projects: Project No., Date and Limits

STP–019–1(23) SHOULDER IMPROVEMENT 1997 | (STP–019–1(22) 1998) | STP–019–1(18) RESURFACE 1997 | (19B–01–97 1998 @ 97.32 MI.) 19A–01–97M RESURFACE 2000

19BC–01–71 (PHASE III B GRADING 1974 & PAVING 1975 | BD–66–7–352 UNIT 3 GRADING & BD–69–352 PAVING 1969 | BD–69–352 PAVING 1969 19A–01–80M RESURFACE 1980 | B–3267–02–63 1964

235 + 50 — 218 + 72.16 — 0 + 00.11 — 126 + 05.57

Date Released
Feb 2006, D.B.

Revised	
G.N.	MAY 2006
D.B.	1/07
D.B.	3/08
D.B.	9/10
D.B.	2/11

ROAD INVENTORY

HAWAII RTE. 130
KEA'AU–PAHOA RD.

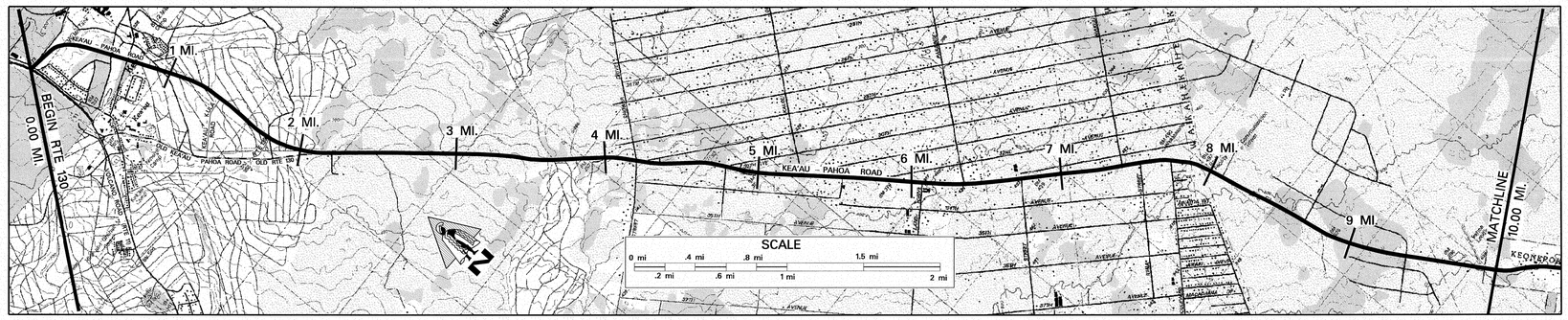
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

0 1 2 3 4 5 6 7 8 9 10

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, 1968 80' (3.78)

Vertical Clearance

Horizontal Clearance 40'

Structure Pass Over

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 150' – 220' (2.33) | 80' – 130' (5.38) | 50' | 80' (5.87)

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

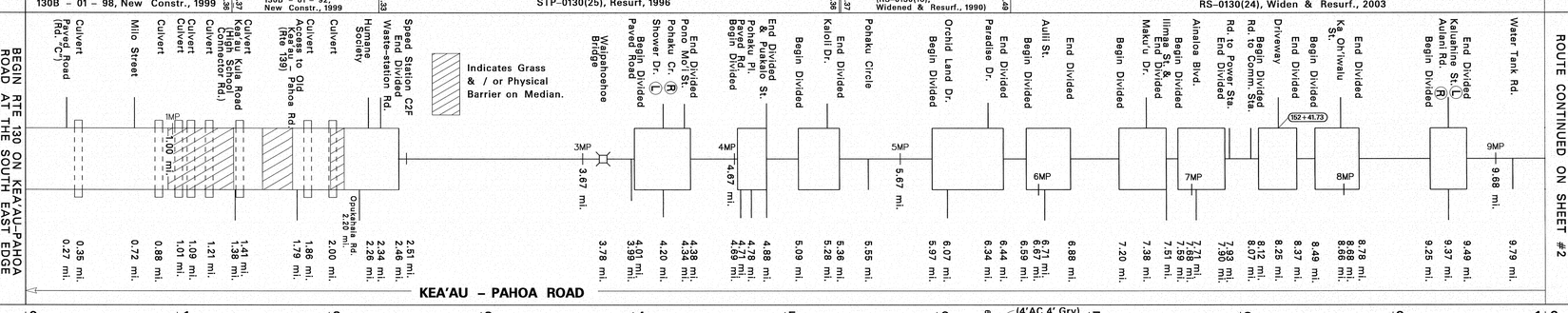
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)

Project No., Type of Construction, and Year Constructed: 130B – 01 – 98, New Constr., 1999 (1.37–1.38) | 130B – 01 – 92, New Constr., 1999 (2.33) | STP–0130(25), Resurf, 1996 | (S–0130(7) 1967) (5.37–5.38) | (RS–0130(16), Widened & Resurf., 1990) (6.49) | (130B–01–07 ACCESS IMP., 2009) 134+11.34 (7.90) 165+00 (8.49) | RS–0130(24), Widen & Resurf., 2003

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage



ROUTE CONTINUED ON SHEET #2

SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Divided Highway – Undivided

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

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

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

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

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

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

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

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

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

(Right Side) All Turning Lanes 12'

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number: All Metal on Metal | Metal on Concrete | Low Pressure Sodium | Low Pressure Sodium

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural | Small Urban | 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 Stations (Current Year): B71 0130 00000 | B71 0130 00215 | B71 0130 00246 | B71 0130 00399 | B71 0130 00771

HPMS Sections – AADT 2009: 35,700 | 19,326 | 19,326 | 19,326 | 11,500

HPMS Sections – AADT 2008: 27,100 | 19,287 | 19,287 | 19,287 | 11,477

HPMS Sections – AADT 2007: 18,285 | 19,695 | 11,720

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 (4)

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

Previous Projects: Project No., Date and Limits: (STP–0130 (25), Resurf, 1996) | (S–231(1) 1953) | (S–0130(9) 1967) | (RS–0130(16), Widened & Resurf., 1990) | 130B–01–72 (R) 1972 | S–0130(7) 1967 | S–231(1) 1952 | (S–0130(9) 1966) | Sta 237+50 | Sta 0+00

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.
9/10	D.B.
2/11	D.B.

ROAD INVENTORY

HAWAII RTE 130

KEA'AU–PAHOA RD., PAHOA–KALAPANA RD.

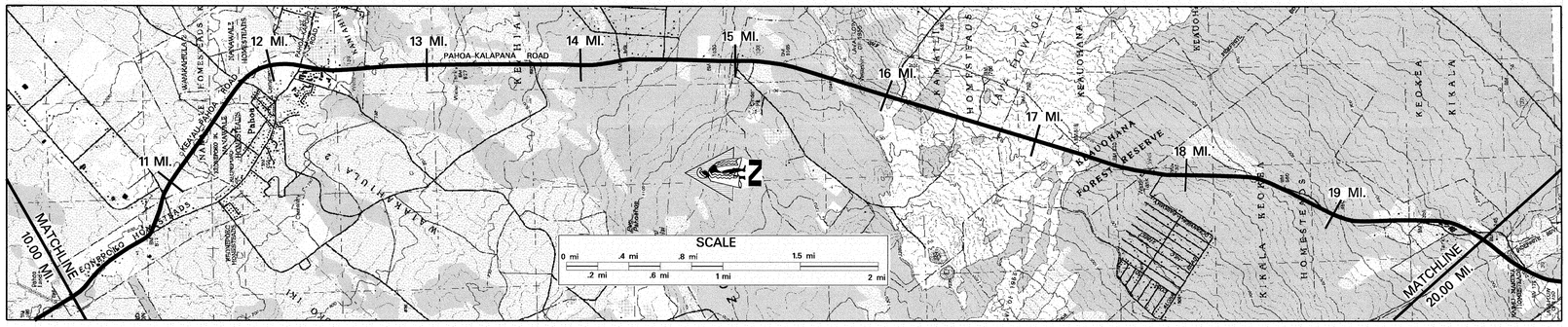
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

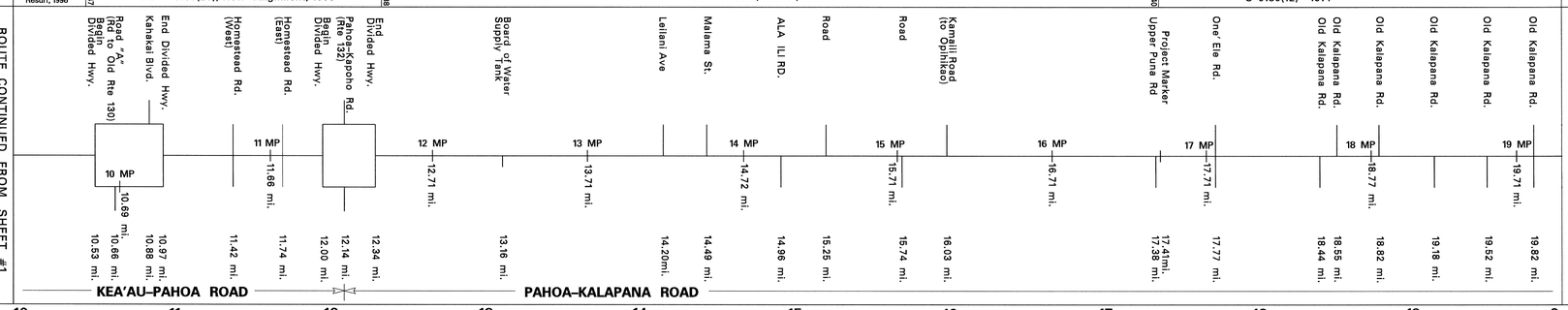
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Vertical Clearance
- Horizontal Clearance

Structure Over Road

- Vertical Clearance
- Horizontal Clearance

- Right of Way Width (min.–max.) if varies: 80' (10.79) | 50' – 110' | (17.39) 100'–150'
- Available Right of Way Width (Needs Study): Residential Area | (12.27) Trees (12.35) | Clear 1000'/ Grass, Brush, Sugar Cane 10' from Pavement (17.23) | Trees & Brush
- Right of Way Fence: Type – Right and Left (SW = Stone Wall): Chainlink Fence (12.27–12.24) | SW (19.33–19.63)
- Control of Access: 1–None, 2–Partial, 3–Full: None
- Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State
- Project No., Type of Construction, and Year Constructed: (10.46) (RS–0130(24), Widen & Resurf., 2003) (17.42) 130A–01–97M Resurfacing 1998
- Project No., Type of Construction, and Year Constructed: STP–0130(25), Resurf, 1996 (10.47) RS – 0130(20), New Alignment, 1990 (12.28) 130A–01–92M, Resurf, 1993 (17.40) S–0130(12) 1971

ROUTE CONTINUED FROM SHEET #1



ROUTE CONTINUED ON SHEET #3

Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

- Shoulder: Width and Type: 8' Gravel | 8' AC | 8' AC | 8' AC | 3' Gravel | 4' Grass | 0 | 4' Grs. | 6' Dirt | 10' Gravel
- Pavement: Width and Type: 24' AC | 12' AC | 24' AC | 12' AC (24'AC) | 20' AC | 22' AC | 24' AC
- Shoulder: Width and Type: 8' Gravel | 0 | 8' AC | 0 | 3' Gravel | 4' Grass | 0 | 4' Grs. | 6' Dirt | 10' Gravel

Divided Highway

- Median: Width and Type: 0'–12' Painted AC | 0'–12' Painted AC
- 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: –2 | –1 | +2 | –1 | –5 | –1 | –4 | –6 | –5 | –4
- Vertical Curve: Crest or Sag, Curve Limits
- Area and Development: Rural
- Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Flat | Rolling
- Speed: 1–Design, 2–Posted: (Minimum) 55 MPH ② 40 MPH ② | 45 MPH ① | 55 MPH ① | 45 MPH ① | 55 MPH ② Minimum 40 ②
- Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)	B71 0130 00771	B71 0130 01088	B71 0130 01214	B71 0130 01420	B71 0130 01777	(B71 0130 01982)
HPMS Sections – AADT 2009	11,500	7,536	3,371	1,786	1,786	1,687
HPMS Sections – AADT 2008	11,477	7,521	3,364	1,782	1,782	1,684
HPMS Sections – AADT 2007	11,720	7,680	3,435	1,820	1,820	1,720

- DOD Sections
- Census Tracts
- Functional Classification: Minor Arterial (4) | Major Collector (5)
- National Highway System (NHS): Not on NHS (0)
- Previous Projects: Project No., Date and Limits: S–0130(9), 1967 (10.46) RS–0130(20) (New Alignment) 1990 (12.28); HWY–H–01–69 (10.85) (RS–0132(3) 1986 Widen and Resurf) RS–SR–0130(19) Resurf 1982; S–0130(9) 1966 (10.74) Sta 44+81.95 | County (12.12–12.09) | A–130–01–61 Sect. A (R/W) (13.72–14.84) | ER–4(1) 1957, 59 | Sta 0+00 S–130 (12) 1970 (17.40) Sta 207+65.07

SCALE: (In Miles) 2" = 1 mile

Date Released
November 2000

Revised	
Sept 02	J.K.
Feb. 04	D.B.
May 04	D.B.
Sept 04	D.B.
7/06	D.B.
9/10	D.B.
2/11	D.B.

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

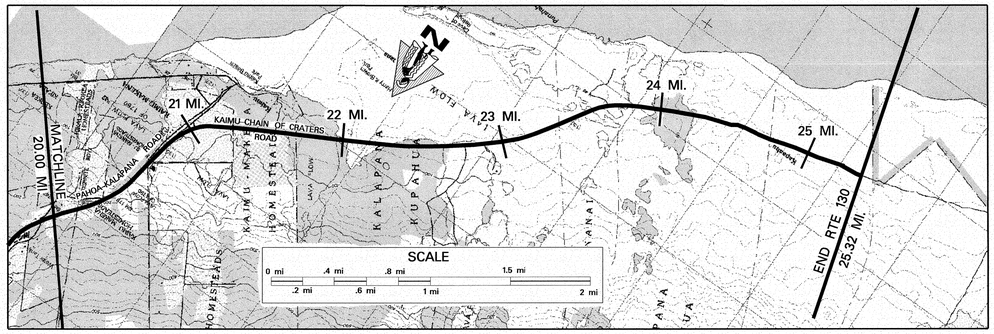
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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 Above Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 100' – 150' (20.70) | 125' – 580' (21.43) | 155' | 120' | 155'–170' (21.55) | 150' (21.95) | 140' | 120' (22.11) | 130' | 100'–110' | 150' (22.81) | 120' (23.33) | 130'–145' | 170' | 145' (23.73) | 120' (23.78) | 80'

Available Right of Way Width (Needs Study): Trees & Brush | Residential (24.00) | Clear 1000' Lava Rock 10' from E.P.

Right of Way Fence: Type – Right and Left: SW | SW (24.03) | SW (24.13) | SW | WW (24.78) | WW (24.89)

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 (20.70) | ER – 9(3) New Alignment, 1980 (23.78) | 130A – 01–79M PMS – 0100(8), Unit 3, Resurf, 1978

ROUTE CONTINUED FROM SHEET #2

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

Road Diagram

* MP = Milepost Signage

Old Kalapana Rd (20.24 mi.) | Begin Divided Hwy (20.62 mi.) | Access Rds to Pahoa–Kalapana Rd (20.69 mi.) | End Divided Hwy (20.80 mi.) | 20 MP (20.90 mi.) | 2010 Lava Flow (20.97 mi.) | 1992 Lava Flow & Road Barricade (21.13 mi.) | 21.50 mi. | 21.83 mi. | Lokelani St. Lava Flow & Road Barricade (22.72 mi.) | 22 MP (22.80 mi.) | Ksone Dr. (23.13 mi.) | Access to Kalapana Beh. Rd. (23.73 mi.) | 23 MP (23.59 mi.) | Road (24.17 mi.) | Coconut Palm Dr. (24.37 mi.) | Royal Palm Dr. (24.49 mi.) | 24 MP (24.59 mi.) | Road to Queen's Bath (24.90 mi.) | (24.93 MP) | Cattle Guard (25.13 mi.) | 25.31 mi. | 25.32 mi.

PAHOA–KALAPANA RD — KAIMU–CHAIN OF CRATERS ROAD

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 (23.78) | 22' AC

Shoulder: Width and Type: 10' Gravel | 0 | 10' AC | 6' AC

Divided Highway – Median

Median: Width and Type: 0'–10' Painted Median (20.79 – 21.13)

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' (23.78)

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 1 – 12' (20.61 – 20.97) (20.97 – 21.58)

(Right Side): 1 – 12' (20.21 – 20.37)

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

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left): 6' Gutter (20.94) | (24.70 – 24.89) (24.78 – 24.95)

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: (20.70) –3 (20.81) –3 (21.09) | (24.56) –2 (24.90)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Rolling (23.07) | Flat (24.37)

Speed: 1–Design, 2–Posted: 55 MPH – Minimum 40 MPH (2) | 45 MPH (2) (22.49 – 22.72) | 25 MPH (2) (22.72 – 23.07) | 35 MPH (2) (23.07 – 23.59) | 35 MPH (2) (23.87) | Not Posted 25 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0130 01982 | B71 0130 02183

HPMS Sections – AADT 2009: 1,687

HPMS Sections – AADT 2008: 1,684

HPMS Sections – AADT 2007: 1,720

DOD Sections

Census Tracts

Functional Classification: Major Collector (5)

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

Previous Projects: Project No., Date and Limits

(130A – 01 – 79 M PMS – 0100(8), Unit 3) (23.78)

S–130 (12), 1971 (20.94) | County A–130–01–60 (Sec. C) 1964 | S–130(1) 1964 (23.73)

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.
9/10	D.B.
2/11	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

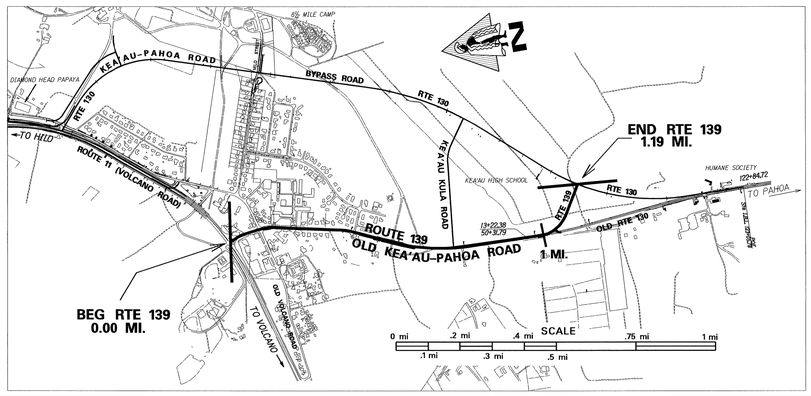
Total Route Length: 1.19 **MILES**

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
18'

Vertical Clearance

Horizontal Clearance

44'

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

80'–85' (0.35) 80'–130' (0.95) 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

(0.10) Pipes (0.17) Chain Link (0.52) (0.83) Chain Link (0.98)

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

None

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

State

Project No., Type of Construction, and Year Constructed

(0.08) 130B–01–91, Imp., 1993 (0.92)

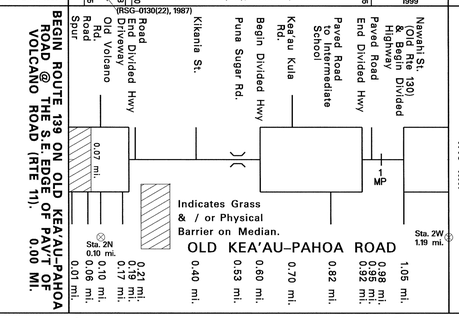
Project No., Type of Construction, and Year Constructed

(F–011–2(17), 1987) (0.05) (0.38) (0.20) STP–0130(25), Resurf., 1996 (0.95) 130B–01–92 1999

(RSG–0130(22), 1987)

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) 10' Painted Median (0.19) (0.80) | 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) (0.20) (0.07) 11' TL (0.14) 10' TLs (0.64) (0.70) 12' TLs (1.00) (0.82) (0.89) (1.15) 12' TLs

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

(0.08) (0.17) 4' AC S.W. (0.39) (0.70) (0.80)

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

(0.07) (6" Conc. Curb) 2' AC (0.39) (8" Conc. Curb) (0.80)

(0.07) (C. Curb) (Curb) (0.41) (Curb) (C. Curb) (0.80)

Protective Devices: Type, Location and Number

(0.05) (0.08) (0.17) (0.22) (0.35) (0.39) (0.45) (0.55) (0.60) (0.63) (0.70) All Metal on Metal. (1.09)

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

(0.78) +2 (0.84)

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 (0.25) 2 Phase

Traffic Stations (Current Year)

B71 0139 00000

HPMS Sections – AADT 2009

6,840

HPMS Sections – AADT 2008

6,826

HPMS Sections – AADT 2007

(0.00) 6,970 (1.19)

DOD Sections

Census Tracts

Functional Classification

Major Collector (5)

National Highway System (NHS)

Not On NHS (0)

Previous Projects: Project No., Date and Limits

(RSG–0130(22), 1987)

(0.25) (0.28) 130B–01–83M, (R), 1983

S–0130(2), 1966 (0.33) S–130(7), 1967 (0.95)

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.*
9/10 *D.B.*
2/11 *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

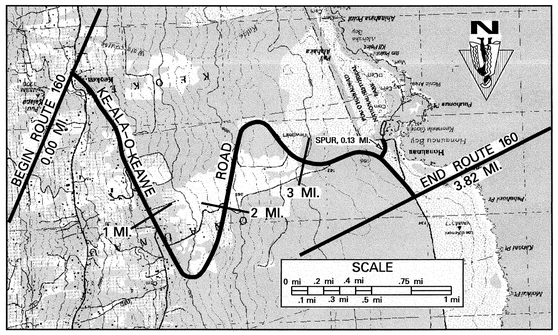
Total Route Length: 3.95 miles

a. Survey Length: 3.82 miles

b. Proposed Length: 0.00 miles

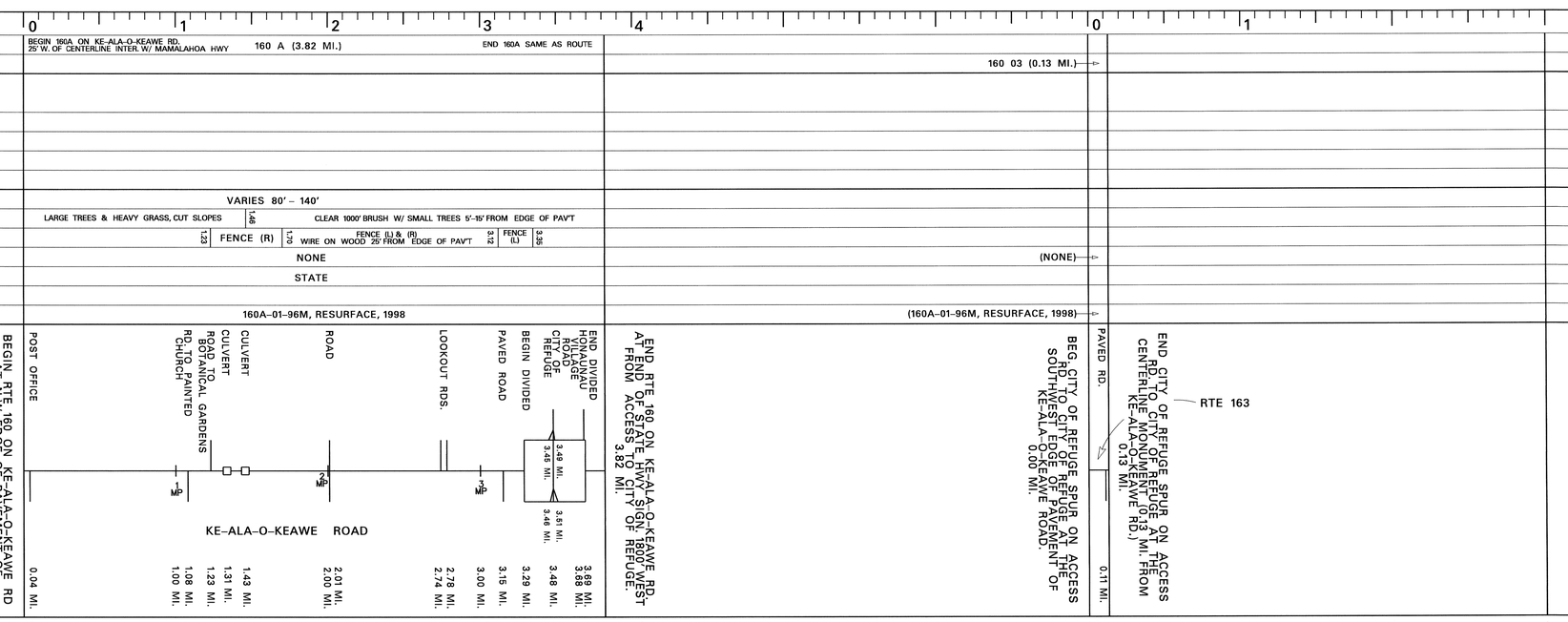
c. Other Length: * 0.13 miles

* SPUR LENGTH



Road Diagram

* MP = Milepost Signage



		SCALE: (In Miles) 2" = 1 mile	0 | 1 | 2 | 3 | 4 | 0 | 1
		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	
		Vertical Clearance	
		Horizontal Clearance	
Structure Over Road		Vertical Clearance	
		Horizontal Clearance	
		Right of Way Width (min.–max.) if varies	VARIES 80' – 140'
		Available Right of Way Width (Needs Study)	LARGE TREES & HEAVY GRASS, CUT SLOPES | 1.46 | CLEAR 1000' BRUSH W/ SMALL TREES 5'–15' FROM EDGE OF PAV'T
		Right of Way Fence: Type – Right and Left	1.23 FENCE (R) | 1.70 FENCE (L) & (R) WIRE ON WOOD 25' FROM EDGE OF PAV'T | 3.12 FENCE (L) 3.25
		Control of Access: 1–None, 2–Partial, 3–Full	NONE | (NONE)
		Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	STATE
		Project No., Type of Construction, and Year Constructed	
		Project No., Type of Construction, and Year Constructed	160A–01–96M, RESURFACE, 1998 | (160A–01–96M, RESURFACE, 1998)
		SCALE: (In Miles) 2" = 1 mile	0 | 1 | 2 | 3 | 4 | 0 | 1
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	0–20' PAINTED AC (3.29 – 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 – 3.56
		(Right Side)	3.38
		Frontage Road: No. of Lanes, and Width (Right and Left)	
		Sidewalk: Width and Type (Right and Left)	
		Curb and/or Gutter: Type (Right and Left)	METAL ON CONCRETE 0.01 – 1.62 | METAL ON METAL 2.80 – 3.39 | (METAL ON METAL) 0.00 – 0.13
		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 | (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 Stations (Current Year)	B71 0160 00000 | (B71 0160 00108) | B71 0160 00123 | B71 0160 00348 | (B71 0160 00348)
		HPMS Sections – AADT 2009	1,389 | 1,389 | 991 | 991 | 696
		HPMS Sections – AADT 2008	1,386 | 1,386 | 989 | 989 | 695
		HPMS Sections – AADT 2007	1,415 | 1,010 | 710
		DOD Sections	
		Census Tracts	
		Functional Classification	MAJOR COLLECTOR (5) | (MAJOR COLLECTOR (5))
		National Highway System (NHS)	NOT ON NHS (0) | (NOT ON NHS (0))
		Previous Projects: Project No., Date and Limits	RS-0160(6) RESURFACE 1980 | S-0160(1), 1961 | S-0160(2) UNIT 1, 1961 | S-0160(2) UNIT 2, 1961 | (S-0160(2) UNIT 2, 1961)
		SCALE: (In Miles) 2" = 1 mile	0 | 1 | 2 | 3 | 4 | 0 | 1

Date Released
OCT. 05, DB

Revised	
7/06	D.B.
9/10	D.B.
2/11	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

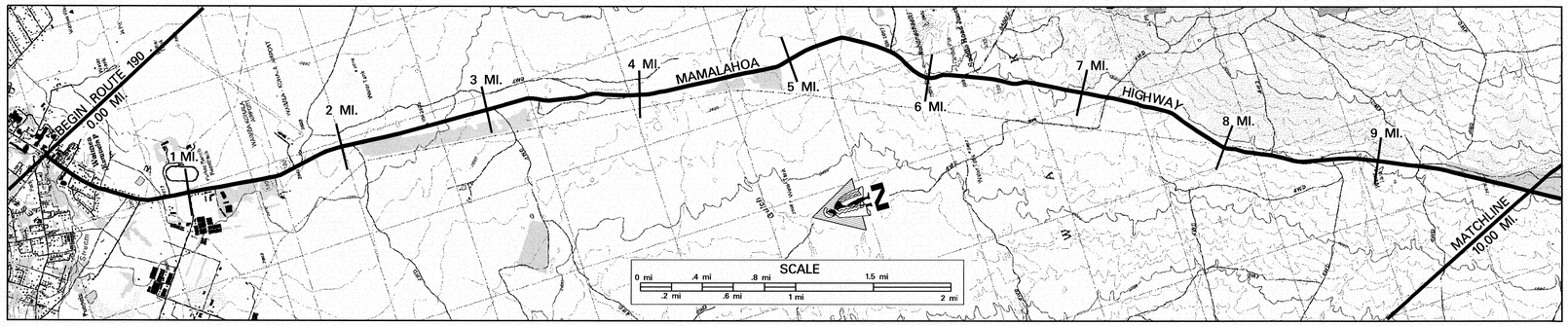
Total Route Length: 38.99 miles

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

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

1.20 END 190 E, 0.05 MI. NORTH OF WAIMEA-KOHALA AIRPORT ROAD — 190 E (5.02 MI.)

6.22 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′
8.42 100′–145′ 9.13 80′–90′ 9.76 100′–145′

Available Right of Way Width (Needs Study)
RESIDENTIAL, FARMS, RANCHES 1.20 | 1000′ CLEAR – PASTURES – 10′–15′ FROM PAVEMENT 8.73 | CLEAR 1000′ – PASTURELAND W/ LAVA ROCK AND SOME TREES

Right of Way Fence: Type – Right and Left
0.15 1.20 WIRE ON WOOD – 10′ FROM PAVEMENT
WIRE ON WOOD – 10′ FROM PAVEMENT

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

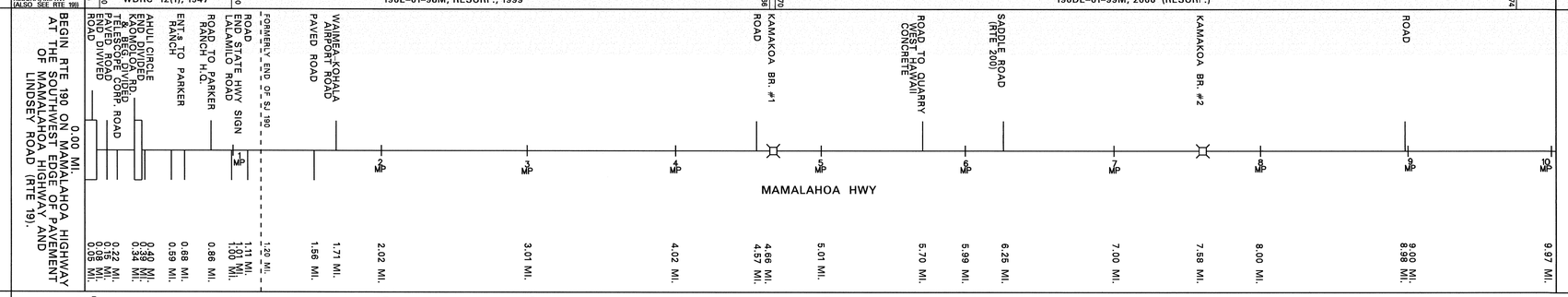
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)
COUNTY 1.20 | PHASE 2 – COUNTY TO STATE (RS–0190 (8), 1988 (R)) | STATE

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed
(STP–019–1(24), 2000 RESURF., IMPRV. (ALSO SEE RTE 19))
0.10 WDRC 12(1), 1947 | 1.00 190E–01–98M, RESURF., 1999 | 4.98 4.70 190DE–01–99M, 2000 (RESURF.) | 9.74

Road Diagram

* MP = Milepost Signage



CONTINUED ON SHEET #2.

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type
(0′–10′ AC) (8′–3′ AC) 0.18 T.C. 0.27 25′ GRASS | 4′ AC

Pavement: Width and Type
(11′ AC) 22′ AC | (11′ AC) 22′ AC | 22′ AC | 8.35 24′ AC 9.09 | 9.11 24′ AC 9.74 | 22′ AC

Shoulder: Width and Type
0 15′ GRASS 0.27 0.34 0 | 0.44 15′ GRASS | 4′ AC

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

Median Barriers:
0.68 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′) (1–(28′–11′)) 0.0 | 2–11′ | 8.35 2–12′ 9.09 | 9.11 2–12′ 9.74 | 2–11′

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
14′ T.L. 0.04 0.27 0.35 | (2–10′)
11′ T.L.
10′ T.L. 0.03 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
4.74 4.93 METAL ON METAL | METAL ON METAL 7.59 7.96 | 9.20 9.24 9.30 | 9.67 9.69 9.74 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
9.12 +2 9.29 | 9.89 –4

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
SMALL URBAN 2.02 | RURAL

Terrain: 1–Flat, 2–Rolling, 3–Mountainous
FLAT 1.44 | ROLLING

Speed: 1–Design, 2–Posted
35 MPH (2) 0.73 35 MPH (2) 1.01 | 55 MPH (2) – MINIMUM 45 MPH 55 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)
B71 0190 00000 | B71 0190 00120 | B71 0190 00202 | B71 0190 00625

HPMS Sections – AADT 2009
10,112 | 5,627 | 7,236 | 4,264

HPMS Sections – AADT 2008
10,092 1.20 | 5,616 | 7,222 8.25 | 4,255

HPMS Sections – AADT 2007
10,305 | 5,735 | 7,375

1.00 2.02

DOD Sections

Census Tracts

Functional Classification
MINOR ARTERIAL (4)

National Highway System (NHS)
NOT ON NHS (0)

Previous Projects: Project No., Date and Limits
4.53 RS–0190(8) 1988, (R) (RS–0190(5), 1980) 7.47 7.66
WDRC 12(1) 1947 1.00 RS–0190(7), RESURF. & REALIGN., 1987 4.53 5.45 19 DE–01–68 8.38 RS–0190(2), 1979 9.09
WDRC 12(1) 1948 6.26 COUNTY 9.15 F–10(6), 1953 9.75 (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.
9/10	D.B.
2/11	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

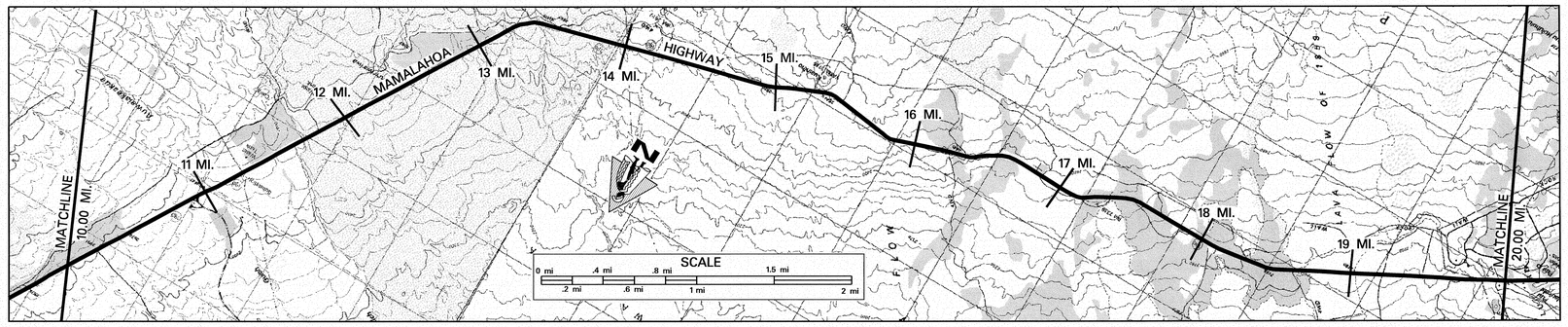
Total Route Length: 38.99 miles

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 D (7.26 MI.) | 13.49 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' (11.04) 119' (11.72)

SLAB 1940, H-15 — 23' (13.06)

Vertical Clearance

40' 40' 32'

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

100' – 145' | 13.62 | 60' – 150'

Available Right of Way Width (Needs Study)

CLEAR 1000' – PASTURELAND W/ LAVA ROCK AND SOME TREES | 18.72 CLEAR 1000', LAVA ROCK, GRASS, TREES – 10' FROM PAVEMENT

Right of Way Fence: Type – Right and Left

WIRE ON WOOD 10' FROM PAVEMENT | 12.94 | 18.24 WIRE ON WOOD 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

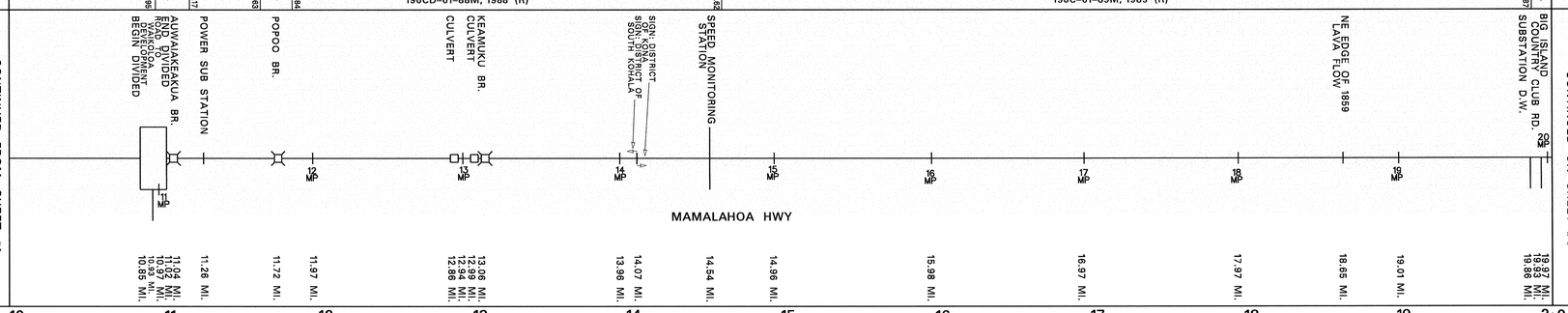
Project No., Type of Construction, and Year Constructed

(BR-0190(13), 2001 BRIDGE REPLACEMENT) | 190CD-01-88M, 1988 (R) | 16.42 190BC-02-06M, PVMT. PREVENT. MAINT., 2009 | (19C-01-70, (RESURF. & REHAB.), 1971)

Project No., Type of Construction, and Year Constructed

190CD-01-88M, 1988 (R) | 14.62 190C-01-89M, 1989 (R)

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 | 10.76 21' AC | 14' AC | 21' AC | 13.48 | 18' AC | 15.79 | 22' AC

Shoulder: Width and Type

4' AC | 0 | 4'–5' AC | 5' DIRT

Median: Width and Type

(0–12' PAINTED MEDIAN)

Median Barriers:

10.85 | 11.02

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' | 10.76 1–14' 1–17' | 2–10.5' | 13.48 | 2–9' | 15.79 | 2–11'

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

11.01

(Right Side)

10.38 10.86 10.23

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

11.13 | 11.01 M/M 11.69 | 11.77 | 11.15 | 13.19 13.23 13.41 13.60 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) 10.05 10.41 +1 10.76 10.85 −4 11.02 11.13 +1 11.38 11.74 +1 12.24 13.00 +2 13.23 13.61 −3 13.72 13.90 −3 14.03 14.09 +1 14.28 14.49 +4 14.95 15.46 +1 15.65 18.00 +1 18.12 18.28 18.41 19.24 −4 19.38 19.44 19.77 +4 19.87

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 Stations (Current Year)

B71 0190 00625 | B71 0190 01093 | (B71 0190 01993)

HPMS Sections – AADT 2009

4,264 | 4,264 | (4,264)

HPMS Sections – AADT 2008

4,255 | 10.93 | 4,255 | (4,255)

HPMS Sections – AADT 2007

7,375 | 11.26 | 4,345 | 16.98 | 4,345 | 19.93

DOD Sections

Census Tracts

Functional Classification

MINOR ARTERIAL (4)

National Highway System (NHS)

NOT ON NHS (0)

Previous Projects: Project No., Date and Limits

RS-0190(8), 1988 (R) | 10.76 | 190CD-01-88M, 1988 (R) | 15.79 | 19C-01-70 (RESURF & REHAB), 1971

13.25

FAP 10-C(1), 1938 | 13.36 | 13.62 | FAP E-10B, 1932 | 16.45 | FAP 10-A, 1932

STA. # 642 + 00

SCALE: (In Miles) 2" = 1 mile

Date Released
OCT. 05, D.B.

Revised	
7/06	D.B.
9/10	D.B.
2/11	D.B.

Road Diagram

* MP = Milepost Signage

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

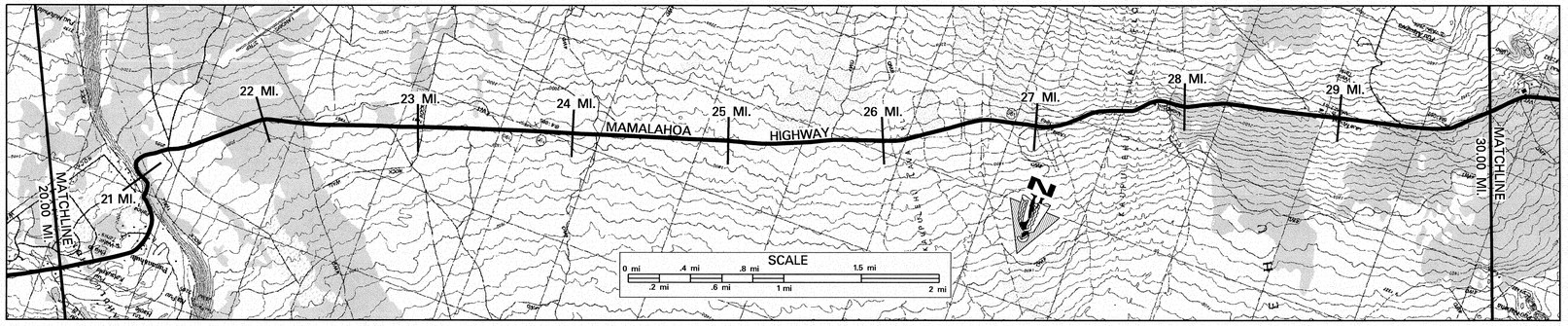
Total Route Length: 38.99 miles

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.) | 24.34 28.58 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) 20.34 20.74 | 60'–150' | 28.30 80'–217'

Available Right of Way Width (Needs Study): (RESIDENTIAL AREA) 20.74 | 1000' CLEAR, LAVA ROCK, W/ BRUSH, GRASS – 10' FROM PAVEMENT | (CONC. WALL) 27.05 BRUSH, GRASS, TREES 28.88 BRUSH, GRASS, & LARGE TREES

Right of Way Fence: Type – Right and Left: 20.65 27.05 | STONE WALL 8' FROM PAVEMENT 26.66 | WOIRE ON WOOD 15'–20' FROM PAVEMENT 28.57 | CRM WALL CRM WALL

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): 380 + 50 21.35 21.38 | STATE | 49 + 50

Project No., Type of Construction, and Year Constructed: 190BC-02-06M, PVMT. PREVENT. MAINT., 2009 | 380 + 00 | 190B-02-04M, RESURFACE, 2008 | 27.59 27.61 (STP-0100(31) – GUARDRAIL IMPROVEMENTS, 1994) 28.54

Project No., Type of Construction, and Year Constructed: 20.44 (19C-01-70 (RESURF. & REHAB.) 1971) | 190BC–01–90M (RESURFACE)1991 | (190B-01, 1971) 27.36 28.29 190B–01–91M (R) 1992

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #2

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

381 + 35

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

20.21 MI. 20.98 MI. 21.33 MI. 21.47 MI. 21.97 MI. 22.93 MI. 23.97 MI. 24.97 MI. 25.96 MI. 27.11 MI. 27.60 MI. 27.96 MI. 28.96 MI. 29.38 MI. 29.98 MI.

CONTINUED ON SHEET #4

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided
- Shoulder: Width and Type: 4' DIRT | 3' AC | 7' AC 28.42 | 7' GRAVEL
- Pavement: Width and Type: 22' AC | 20' AC | 27.58 22' AC
- Shoulder: Width and Type: 5' DIRT | 3' AC | 4' AC 28.42 | 7' GRAVEL
- Median: Width and Type
- Median Barriers:
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type

Number of Traffic Lanes: 2–11' 21.35 | 2–10' | 27.59 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): 27.61 28.42 2' AC GUTTER

Protective Devices: Type, Location and Number: 21.04 21.09 CRM WALL | 28.10 28.15 | 29.54 29.70 29.87 29.94 29.80

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative: 22.95 +1 23.12 –5 23.30 23.39 +4 23.71 | 24.35 +1 24.86 25.41 –1 25.64 25.71 +1 25.80 25.89 +1 26.07 26.16 –2 26.28 26.46 –1 26.61 | 27.49 +1 27.62 | 28.73 –1 28.98 29.27 –1 29.58

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL

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

Speed: 1–Design, 2–Posted: (55 MPH (2) (MINIMUM 40 MPH)) 55 MPH (2) 20.34 | 35 MPH (1) 21.24 | 50 MPH (1) (MINIMUM 40 MPH) 55 MPH (2) | 26.40 50 MPH (1) (MINIMUM 40 MPH) 27.59 | 55 MPH (2) 55 MPH (2) (MINIMUM 40 MPH)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0190 01993

HPMS Sections – AADT 2009: 4,264

HPMS Sections – AADT 2008: 4,255

HPMS Sections – AADT 2007: 4,345

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4)

National Highway System (NHS): NOT ON NHS (0)

Previous Projects: Project No., Date and Limits

F-10(5), 1956
F-10(5), 1954
28.39
STA. 8+82 STA. 406+50
(FAP 10-A, 1933) 28.30 .39 28.73 (FAP 10-A, 1932)
28.57
STA. 397+19 STA. –0+50
19C-01-70 (RESURF. & REHAB.), 1971 21.28 21.30 | 190B-01-71 (RESURFACE) 1971 | F 10-A, 1932

SCALE: (In Miles) 2" = 1 mile

Date Released
OCT. 05, D.B.

Revised	
7/06	D.B.
4/09	D.B.
9/10	D.B.
2/11	D.B.

ROAD INVENTORY

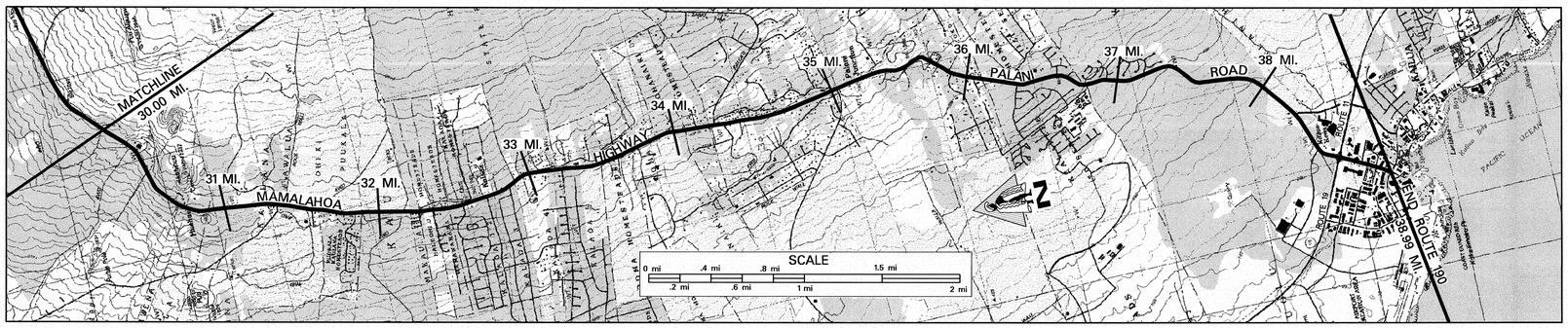
HAWAII RTE 190
MAMALAHOA HWY., PALANI RD.

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 Any Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: 80'–217' | 40'–60'

Available Right of Way Width (Needs Study): BRUSH, GRASS & LARGE TREES 33.27 | RESIDENTIAL AREA 35.29 – 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 | 35.26 | COUNTY

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

Project No., Type of Construction, and Year Constructed: 190B-01-91M, (R), 1992 | 33.16 | 33.39 | 190B-01-91M, (R), 1992 | 35.31

CONTINUED FROM SHEET #3

2000' ELEV. SIGN 30.11 MI.
HUEHUE RANCH ROAD 30.62 MI.
ROAD (R) 30.96 MI.
MAKALEH HAWAII ROAD 31.33 MI. 31.31 MI.
ROAD 31.53 MI.
ROAD (R) 31.82 MI.
BEGIN DIVIDED 31.96 MI.
MAKA'ULA RD. ROAD 32.02 MI.
ROAD (L) 32.12 MI.
KA'A LELE ST. 32.22 MI.
ROAD (L) 32.24 MI.
MAHILANI DR. 32.22 MI.
ROAD (R) 32.22 MI.
CHURCH 32.52 MI.
ACCESS RD. 32.56 MI.
COLOA DR. 32.78 MI.
ROAD (R) 32.84 MI.
AHIKAWA ST. 32.97 MI.
ROAD 33.03 MI.
SCHOOL 33.12 MI.
ROAD 33.29 MI.
END DIVIDED 33.36 MI.
ENTRANCE TO MATSUYAMA 33.39 MI.
KAIMINANI DR. 33.42 MI.
BEGIN DIVIDED 33.42 MI.
HAMA STREET 33.72 MI.
AKINA PL. 33.83 MI.
KALALOA ST. 33.83 MI.
ROAD (R) 34.12 MI.
CHURCH OF GOD RD. 34.24 MI.
LIHAU ST. 34.28 MI.
1500' ELEV. SIGN 34.41 MI.
KALOKO DR. 34.46 MI.
MAKALAPUA RD. 34.84 MI.
ROAD (R) 34.94 MI.
BEG. DIVIDED 35.00 MI.
NORTH KONA & 35.06 MI.
BASE YARD 35.17 MI.
END DIVIDED 35.24 MI.
OLD MAMALAHOA HWY (180) 35.30 MI.
END STATE HWY SIGN 35.31
MAMALAHOA HWY — PALANI ROAD
ROAD TO METHODIST CHURCH 35.87 MI.
HAO KUNI ST. 35.93 MI.
PAMAHOA PL. 36.02 MI.
TOMI TOMI DR. 36.21 MI.
ULUA 'O 'A ST. 36.29 MI.
ROAD 36.37 MI.
LAIMANA PL. 36.48 MI.
ROAD 36.56 MI.
IMALANI PL. 36.62 MI.
ROAD 36.77 MI.
KEALAKA'A ST. (R) 36.84 MI.
PALIHIOLO ST. (L) 36.89 MI.
PEDESTRIAN OVERPASS 36.95 MI.
KEALAKA'A ST. 37.15 MI.
ROAD 37.37 MI.
KONALANI ST. 37.84 MI.
RD. TO WATER TANK 38.18 MI.
END DIVIDED 38.30 MI.
HENERY ST. 38.24 MI.
BEGIN DIVIDED 38.19 MI.
MAKALAHUA ROAD (L) 38.62 MI.
QUEEN KAAHUMANU HWY (R)
QUEEN KAAHUMANU HWY (L) BEGIN EXPANSION 38.62 MI.
BEGIN DIVIDED 38.64 MI.
KOHKO STREET 38.67 MI.
LANIHAU SHOPPING CENTER ROAD 38.69 MI.
38.79 MI.
38.89 MI.
38.99 MI.
KONA COAST SHOPPING ROADS
END RTE 190 ON PALANI ROAD AT THE NORTHEAST EDGE OF PAVT OF KUAKINI HWY. 38.99 MI.

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

	30	31	32	33	34	35	36	37	38	39	40
Shoulder: Width and Type	7' GRAVEL			6' AC	7' GRAVEL	6' AC	7' GRV	4' DIRT		6' AC	2' AC (2'–10" AC) 0
Pavement: Width and Type	22' AC		11' AC 22' AC	11' AC	22' AC	11' AC	22' AC	20' AC	30' AC 20' AC	12' AC	24' AC (12' AC) 24' AC
Shoulder: Width and Type	7' GRAVEL		0 7' GRAVEL	0	7' GRAVEL	0	7' GRV	4' DIRT		0	2' AC (1' AC) 0
Median: Width and Type				11' AC PAINTED		(11' AC PAINTED)				(0'–12' PAINTED AC)	(0'–12' RAISED GRASS W/ CURB)
Median Barriers:			32.02 32.28	33.12 33.38		35.00 35.17			38.19 38.30	38.58	38.63 (0'–28' RAISED GRASS & TREE W/ CURB)
Shoulder: Width and Type			0	0		0				0	(1' AC) 0
Pavement: Width and Type			11' AC	11' AC		11' AC				12' AC	24' AC (12' AC)
Shoulder: Width and Type			10' AC 5' AC	6' AC		6' AC				6' AC	(4' AC) 0
Number of Traffic Lanes			2–11'			35.31		2–10'	37.40 2–10' 1–10' 37.78 2–10'	2–12'	4–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)			32.14 32.32	33.21 33.38		11' TLs 35.15 35.27 35.31			38.18 38.30	38.58	38.63 38.70 38.84 38.86
(Right Side)				11' (L) TLs 33.25 33.29		35.03 35.06			38.24 38.35	38.46	38.58 38.63 38.73 38.86
Frontage Road: No. of Lanes, and Width (Right and Left)											12' TLs
Sidewalk: Width and Type (Right and Left)											4' CONC. S.W. 4' CONC. S.W.
Curb and/or Gutter: Type (Right and Left)								4' AC S.W. AC CURB			(2' GUTTER/CURB) (2' GUTTER/CURB)
Protective Devices: Type, Location and Number (ALL GUARDRAILS METAL ON METAL, UNLESS OTHERWISE NOTED)									METAL ON CONCRETE	MV	
Illumination: Type, Location and Number											
Curves: Degree of Curvature (Right and Left)											
Superelevation (Range)											
Grades: % Grade, Positive or Negative				-4		-6		-7 -7		-6	
Vertical Curve: Crest or Sag, Curve Limits											
Area and Development:	RURAL		SMALL URBAN		RURAL			SMALL URBAN			
Terrain: 1–Flat, 2–Rolling, 3–Mountainous						ROLLING					
Speed: 1–Design, 2–Posted	55 MPH (2)		55 MPH (2) (MINIMUM 40 MPH)		45 MPH (2)			35 MPH (2)			25 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing											
Traffic Stations (Current Year)	B71 0190 01993		B71 0190 03131		B71 0190 03222	(B71 0190 03526)		B71 0190 03530	B71 0190 03740 B71 0190 03778		B71 0190 03863
HPMS Sections – AADT 2009	4,264		4,264		13,678	(13,678)		18,236	18,236 18,236		19,625
HPMS Sections – AADT 2008	4,255		4,255		13,651	(13,651)		18,200	18,200 18,200		19,586
HPMS Sections – AADT 2007	4,345				13,940			18,585			20,000
DOD Sections											
Census Tracts											
Functional Classification	MINOR ARTERIAL (4)							MAJOR COLLECTOR (5)			
National Highway System (NHS)	NOT ON NHS (0)										
Previous Projects: Project No., Date and Limits	F-10(5), 1956 30.76		190B-02-71, RESURF., 1971 F-10(5), 1954		190B-01-86M, (R) 1986	35.27 35.32 STA. 41 + 00		COUNTY TO STATE – PHASE 3			

SCALE: (In Miles) 2" = 1 mile

Date Released	
OCT. 05, D.B.	
Revised	
7/06	D.B.
9/10	D.B.
2/11	D.B.

ROAD INVENTORY

HAWAII RTE 197
KEALAKEHE PARKWAY

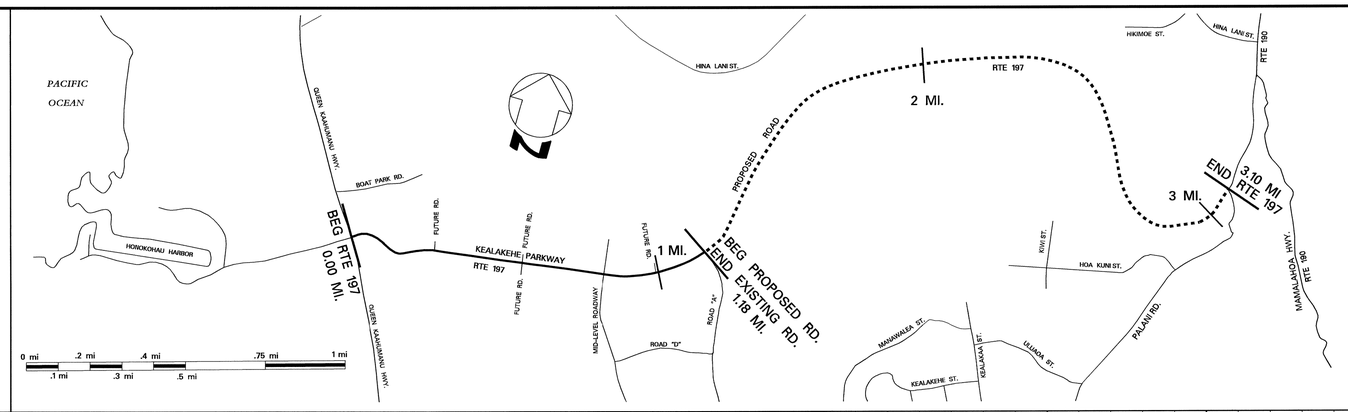
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

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

BEGIN RTE 197 ON KEALAKEHE PARKWAY 0.00 MI. AT THE NORTHEAST EDGE OF PAVEMENT OF QUEEN KAAHUMANU HWY. (RTE 19)

BEGIN DIVIDED — FUTURE RD Ⓛ (0.05 MI.) — FUTURE RD Ⓛ & Ⓜ (0.30 MI.) — ANE KEOHOKALOLE HWY Ⓛ & Ⓜ (0.58 MI.) — FUTURE RD Ⓛ (0.84 MI.) — 1.01 MI.

KEALAKEHE PARKWAY

END EXISTING ON KEALAKEHE PKWY. @ ℄ OF KEANALEHU DR. Ⓐ (BEG. PROPOSED RD.) 1.18 MI.

Indicates Grass & / or Physical Barrier on Median.

PROPOSED ROAD

END RTE 197 ON PROPOSED ROAD @ SOUTH EDGE OF PAVEMENT OF PALANI ROAD. 3.10 MI.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

- Shoulder: Width and Type — 12' AC | 0 | 0'–14' AC | 0
- Pavement: Width and Type — (24'AC) → 0.27 | 12'AC | 0.89 | 1.18
- Shoulder: Width and Type — (12' AC) → 0.27 | 0 | 3'AC
- Median: Width and Type — 0.89 | 12' PAINTED AC (5' AC (FLUSH) AC CURBS BOTH SIDES) | 1.18 ← (1'-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 — 0.27 | 12' AC | 2'AC | 1.18

Number of Traffic Lanes — 2–12' | 0.27 | 1–12' / 2–12' | 1.18 ← (2–12')

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — 0.74 | 11'AC | 0.84

(Right Side) — 11'AC | 0.84 | 0.97

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

Sidewalk: Width and Type (Right and Left) — 0.27 | 4' CONC. S.W.

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

Protective Devices: Type, Location and Number — METAL GUARDRAIL 0.84

Illumination: Type, Location and Number — 0.21 | 0.24 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: Small Urban

Terrain: 1–Flat, 2–Rolling, 3–Mountainous — 0.29 | 2–Rolling

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year) — B71 0197 00000 | B71 0197 00032 → (B71 0197 00112)

HPMS Sections – AADT 2009 — 3,435 | 3,435 → (3,435)

HPMS Sections – AADT 2008 — 3,428 | 0.32 | 3,428 | 1.18 → (3,428)

HPMS Sections – AADT 2007 — 3,500

DOD Sections

Census Tracts

Functional Classification — Minor Arterial (4) | Minor Arterial

National Highway System (NHS) — Not On NHS (0)

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 4" = 1 mile

Date Released	
June 1999	
Revised	
5/06	G.N.
9/10	D.B.
2/11	D.B.

ROAD INVENTORY

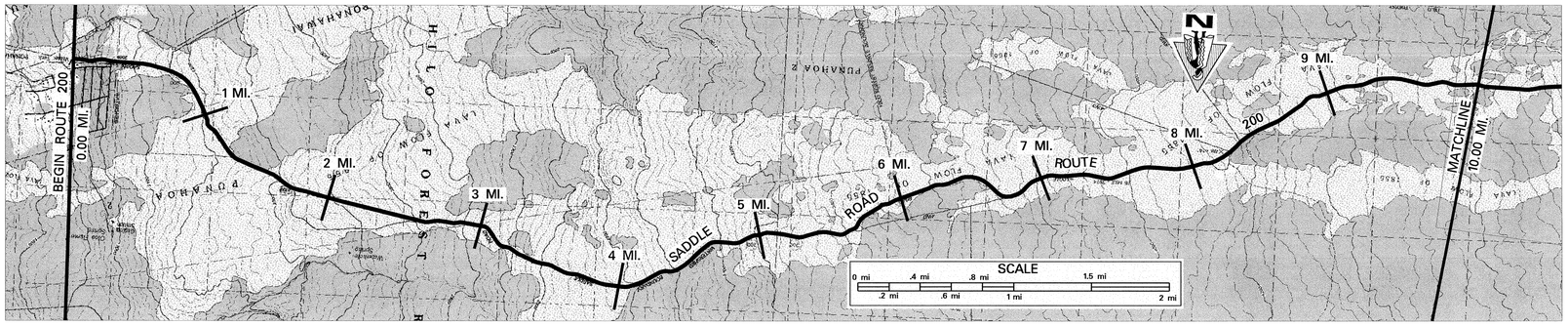
HAWAII RTE 200
SADDLE ROAD

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: 44.92 miles
a. Survey Length: 44.92 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

*



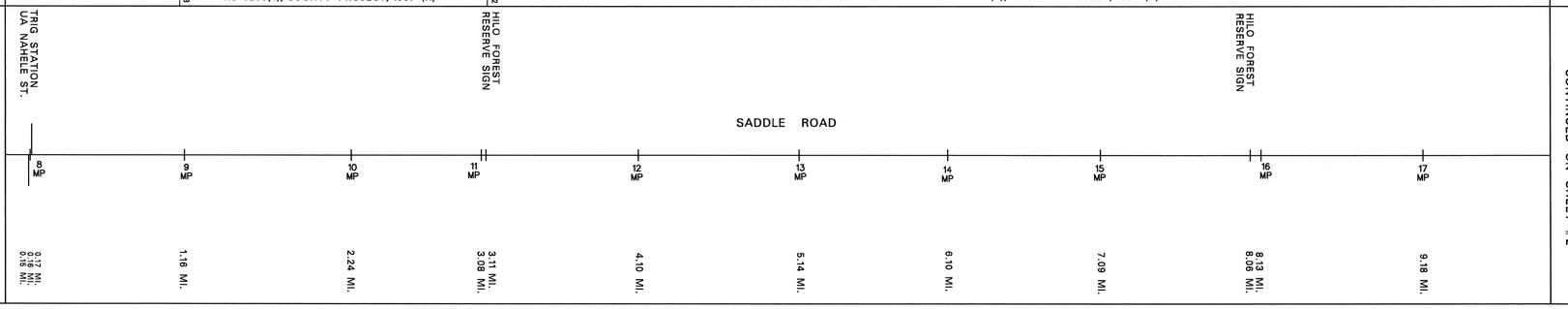
SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Maintenance Control Sections : Length and Description		
Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed	
	Vertical Clearance	
	Horizontal Clearance	
Structure Over Road	Vertical Clearance	
	Horizontal Clearance	
Right of Way Width (min.–max.) if varies		VARIES 50'–150'
Available Right of Way Width (Needs Study)		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



CONTINUED ON SHEET #2

SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Divided Highway Undivided	Shoulder: Width and Type	2'–4' GRASS | 4' AC (3.12) | 10' DIRT (3.96) | 4' AC (4.63) | 10' DIRT (6.30) | 4' AC (6.59) | 2' AC/10' DIRT (9.18) | 4' AC (9.33) | 10' DIRT
	Pavement: Width and Type	20' BST (1.13) | 22' AC
	Shoulder: Width and Type	2'–4' GRASS | 4' AC (3.12) | 10' DIRT (3.96) | 4' AC (4.63) | 10' DIRT (6.30) | 4' AC (6.59) | 2' AC/10' DIRT (9.18) | 4' AC (9.33) | 10' DIRT
	Median: Width and Type	
	Median Barriers:	
	Shoulder: Width and Type	
	Pavement: Width and Type	
	Shoulder: Width and Type	
Number of Traffic Lanes		2–10' (1.13) | 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 Stations (Current Year)		B71 0200 00000 | B71 0200 00113
HPMS Sections – AADT 2009		1,500 | 1,009
HPMS Sections – AADT 2008		1,007 (1.13) | 1,007
HPMS Sections – AADT 2007		1,028 (1.16) | 1,028
DOD Sections		
Census Tracts		
Functional Classification		MINOR ARTERIAL (4)
National Highway System (NHS)		NOT ON NHS (0)
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.
9/10	D.B.
2/11	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

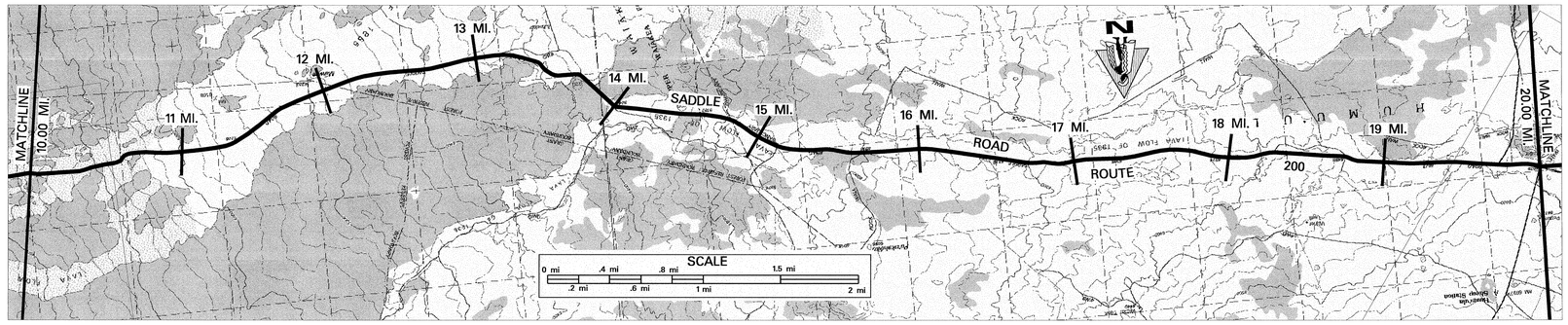
Total Route Length: 44.92 miles

a. Survey Length: 44.92 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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' (10.96) | VARIES 170'–196' (19.86) 196'

Available Right of Way Width (Needs Study)

BRUSH, GRASS AND TREES (11.24) | 1000' CLEAR– LAVA ROCK – 10'–15' FROM EDGE OF PAVEMENT

Right of Way Fence: Type – Right and Left

(14.48 / 14.74) (WOOD ON WOOD 40' FROM E.P.)

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

NONE

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

COUNTY (10.96) | STATE (19.86)

Project No., Type of Construction, and Year Constructed

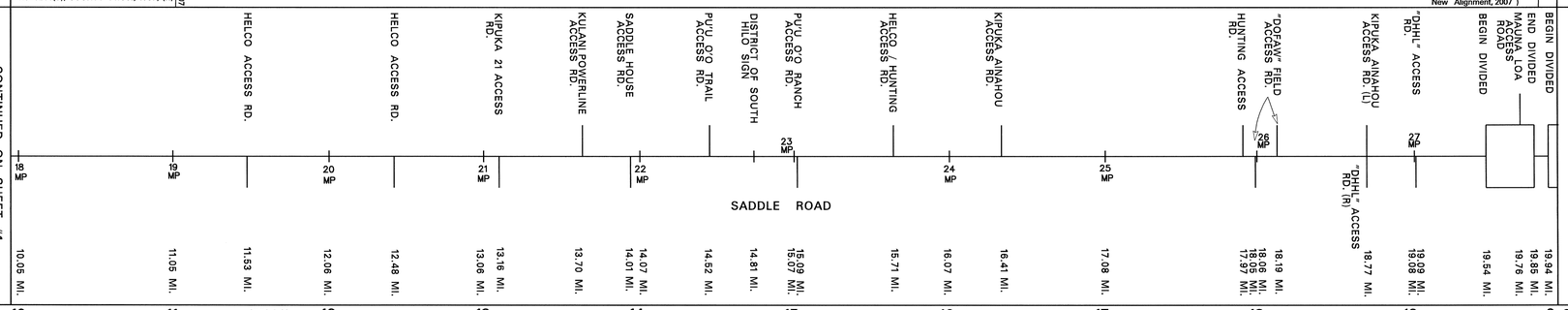
STP 200(1), NEW ALIGNMENT & WIDENING, 2008 (694+00)

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



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

10' DIRT | 4' AC | 10' DIRT | 10' DIRT | 8' AC | (20' AC) | 8' AC | 24' AC | 8' AC | 20' PAINTED AC | 0 | 12' AC | 8' AC

22' AC (4' AC) | 12' AC (24' AC) (12' AC)

0 (8' AC) (0' AC)

20' PAINTED AC (0-20' PAINTED AC)

0 (0' AC)

12' AC (12' AC)

8' AC (8' AC)

Number of Traffic Lanes

2–11' (10.96) | 2–12'

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

(Right Side)

1–12' TRUCK CLIMBING LANE (10.96 – 17.06) | 1–12' (L) TL (19.60 – 19.76) | 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 | FLAT

Speed: 1–Design, 2–Posted

45 MPH (1) (11.07) | 35 MPH (2) (10.96) | 55 MPH (2) (11.51 – 11.62) | 45 MPH (2) (12.06 – 12.15) | 55 MPH (1)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

B71 0200 00113 | B71 0200 01096 | (B71 0200 01976)

HPMS Sections – AADT 2009

1,009 (10.96) | 1,423 (19.76) 773

HPMS Sections – AADT 2008

1,007 | 1,420 | 771

HPMS Sections – AADT 2007

1,028 (11.11) | 1,450 | 787 (15.89)

DOD Sections

Census Tracts

Functional Classification MINOR ARTERIAL (4)

National Highway System (NHS) NOT ON NHS (0)

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 1 mile

Date Released
NOV. 05, D.B.

Revised	
7/06	D.B.
9/07	D.B.
1/09	D.B.
9/10	D.B.
2/11	D.B.

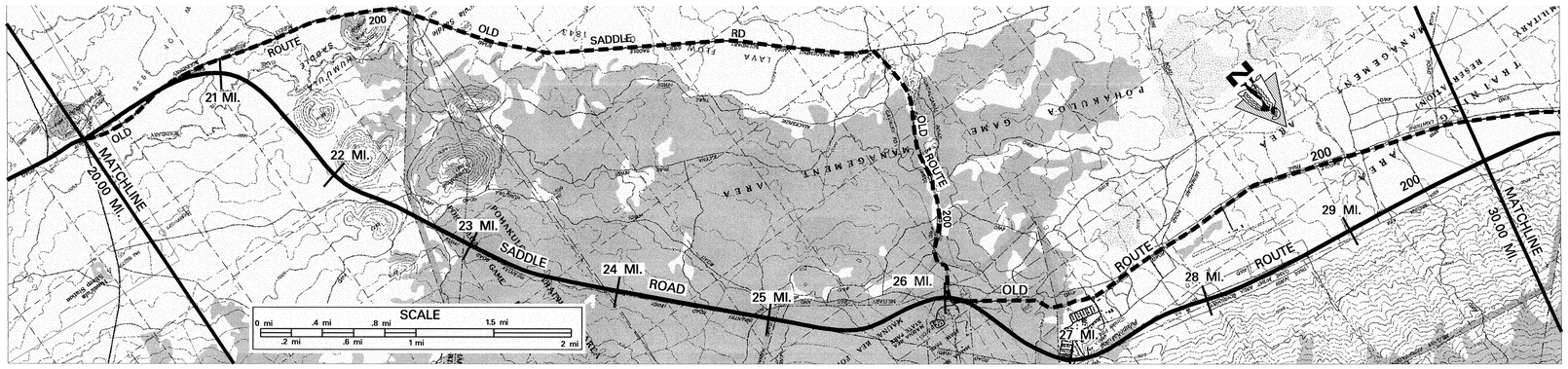
ROAD INVENTORY
HAWAII RTE 200
SADDLE ROAD

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: 44.92 miles
a. Survey Length: 44.92 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

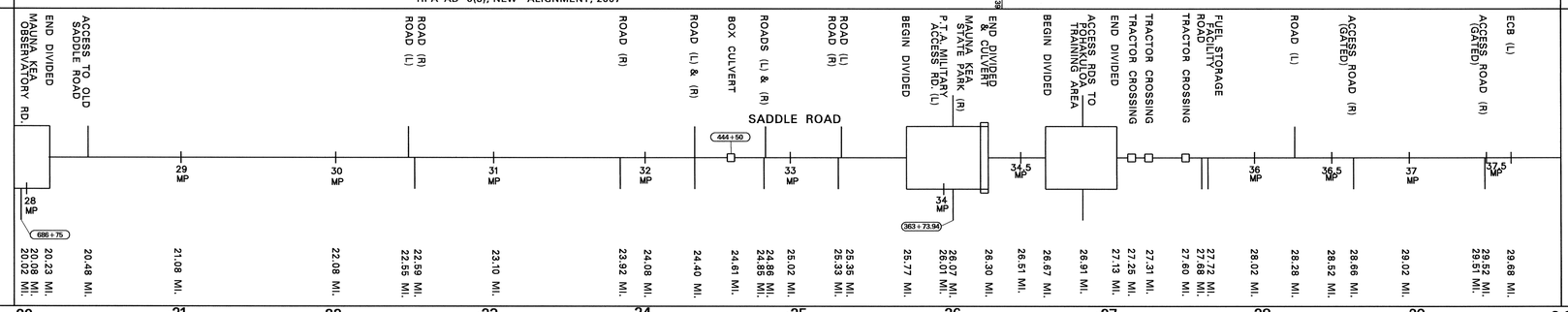
Structure Carrying Road
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: 2 CELL BOX CULVERT 24' (24.61)
- Vertical Clearance
- Horizontal Clearance

Structure over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: 196' (21.07) 174' (21.19) 160' (23.38) 140' (23.51) 196' (26.32) VARIES 50'–150'
Available Right of Way Width (Needs Study): 1000' CLEAR – LAVA ROCK W/ SMALL BUSHES 10'–15' FROM E.P. (25.68) 1000' CLEAR – GRASSLAND W/ BUSHES & SMALL TREES 10'–15' FROM E.P.
Right of Way Fence: Type – Right and Left: NONE (26.93) (WIRE ON METAL 10' FROM E.P.) (27.10)
Control of Access: 1–None, 2–Partial, 3–Full: STATE (380+00) (25.78) (26.08)
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): (HI–A–AD–6(5), NEW ALIGNMENT, (DEFENCE ACC. RD.), 2010) (0+00) (26.39) HI–A–AD–6(5), NEW ALIGNMENT, (DEFENCE ACC. RD.), 2010
Project No., Type of Construction, and Year Constructed: HI A–AD 6(3), NEW ALIGNMENT, 2007
Project No., Type of Construction, and Year Constructed

CONTINUED FROM SHEET #2

Road Diagram
* MP = Milepost Signage



CONTINUED ON SHEET #4

SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided
- Shoulder: Width and Type (–×–×–×– = 4' FIREBREAK FENCE): 8' AC (20.02)
- Pavement: Width and Type: 12' AC (20.02)
- Shoulder: Width and Type (–×–×–×– = 4' FIREBREAK FENCE): 0 (20.02)

Divided
- Median: Width and Type: (0'–20' PAINTED AC) (20.23)
- Median Barriers:
- Shoulder: Width and Type: 0
- Pavement: Width and Type: 12' AC
- Shoulder: Width and Type (–×–×–×– = 4' FIREBREAK FENCE): 8' AC

8' AC (22.20) 8' AC (16' AC WITH 4' WIRE FENCE AT EDGE OF SHOULDER)
12' AC 24' AC 12' AC 24' AC 12' AC (16' AC WITH 4' WIRE FENCE AT EDGE OF SHOULDER) 24' AC
0 8' AC (22.20) 16' AC WITH 4' WIRE FENCE AT EDGE OF SHOULDER 0 0 16' AC WITH 4' WIRE FENCE AT EDGE OF SHOULDER
(0'–20' PAINTED AC) (20.23) (25.77) 0'–20' PAINTED AC (26.30) (26.67) 0'–20' PAINTED AC (27.19)
0 0 0
12' AC 12' AC 12' AC
8' AC (16' AC WITH 4' WIRE FENCE AT EDGE OF SHOULDER) (16' AC WITH 4' WIRE FENCE AT EDGE OF SHOULDER)

Number of Traffic Lanes: 2–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): (20.16) 1–12' (L) TL (20.02); (26.20) 1–12' (L) TL (26.77); (26.95) 1–12' (R) TL (26.74); 12' TLs (26.95) (27.10); 12' TLs (26.86) (27.03)
(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: (M/M) (27.06) (27.19)
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 (20.71) (23.71) ROLLING (25.59) (27.20) FLAT (27.65)
Speed: 1–Design, 2–Posted: 45 MPH (2) (20.05) 55 MPH (1) 45 MPH (2) (25.81) (26.22) 40 MPH (2) (27.18) 55 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0200 02000 | B71 0200 02637 | B71 0200 02706
HPMS Sections – AADT 2009: 816 | 682 (27.06) | 1,600
HPMS Sections – AADT 2008: 814 | (26.37) 681 | 813
HPMS Sections – AADT 2007: (787) (20.04) 831 | (26.59) 695 | 830
DOD Sections
Census Tracts
Functional Classification: MINOR ARTERIAL (4)
National Highway System (NHS): NOT ON NHS (0)
Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 1 mile

Date Released
NOV. 05, D.B.

Revised	
7/06	D.B.
9/07	D.B.
1/09	D.B.
9/10	D.B.
2/11	D.B.

ROAD INVENTORY

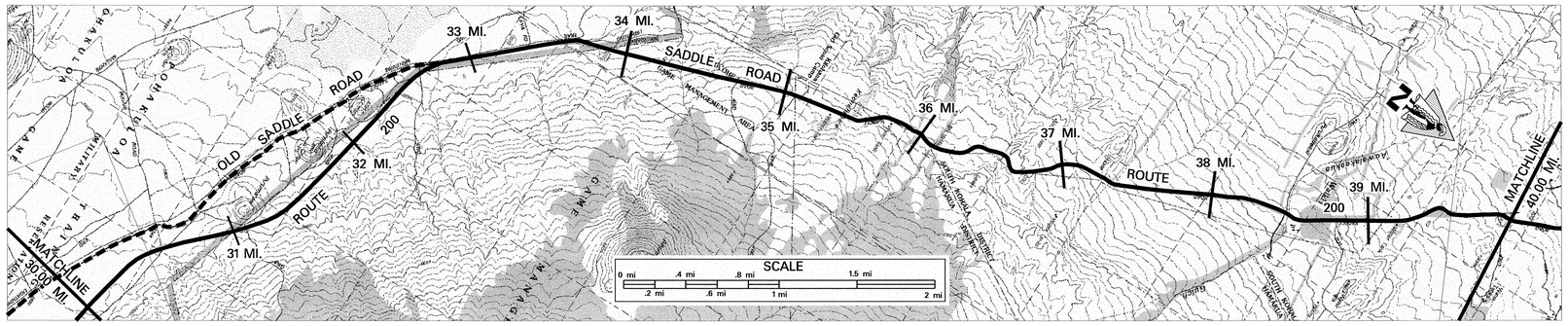
HAWAII RTE 200
SADDLE ROAD

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: 44.92 miles
a. Survey Length: 44.92 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

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

Available Right of Way Width (Needs Study)

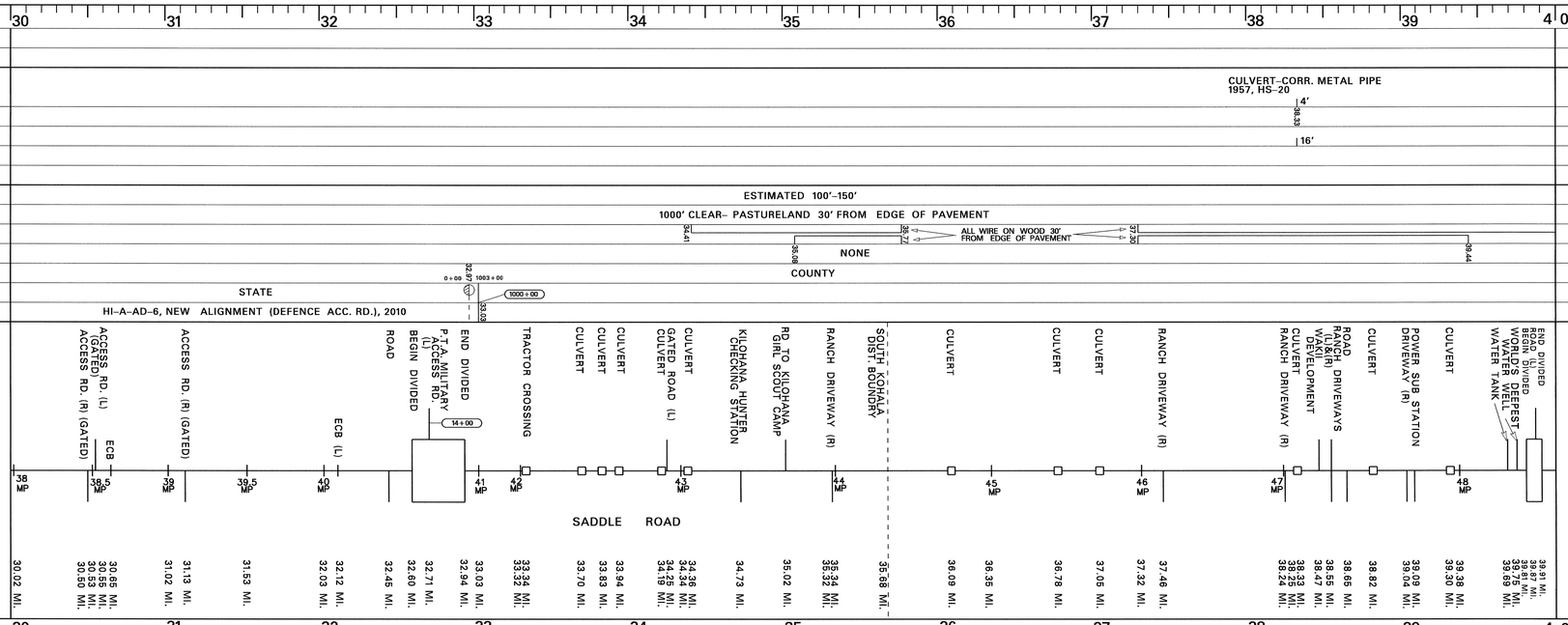
Right of Way Fence: Type – Right and Left

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

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

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed



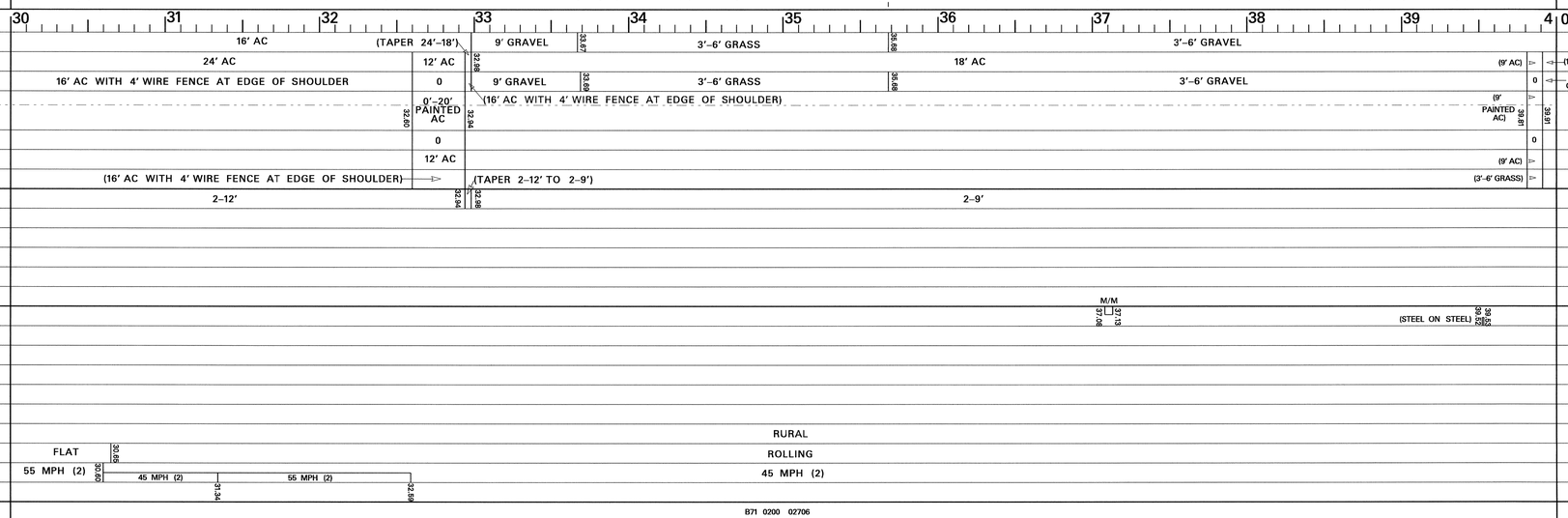
Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type
- Median: Width and Type
- Median Barriers:
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type



- Number of Traffic Lanes
- Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
- (Right Side)
- Frontage Road: No. of Lanes, and Width (Right and Left)
- Sidewalk: Width and Type (Right and Left)
- Curb and/or Gutter: Type (Right and Left)
- Protective Devices: Type, Location and Number
- Illumination: Type, Location and Number
- Curves: Degree of Curvature (Right and Left)
- Superelevation (Range)
- Grades: % Grade, Positive or Negative
- Vertical Curve: Crest or Sag, Curve Limits
- Area and Development: RURAL
- Terrain: 1–Flat, 2–Rolling, 3–Mountainous: ROLLING
- Speed: 1–Design, 2–Posted: FLAT 55 MPH (2) | 45 MPH (2) | 55 MPH (2) | 45 MPH (2)
- Intersection Control Devices: Type, Location and Cycle Timing
- Traffic Stations (Current Year): B71 0200 02706
- HPMS Sections – AADT 2009: 1,600
- HPMS Sections – AADT 2008: 813
- HPMS Sections – AADT 2007: 830
- DOD Sections
- Census Tracts
- Functional Classification: MINOR ARTERIAL (4)
- National Highway System (NHS): NOT ON NHS (0)
- Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 1 mile

Date Released
FEB. 2006 D.B.

Revised	
7/06	D.B.
9/07	D.B.
1/09	D.B.
9/10	D.B.
2/11	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

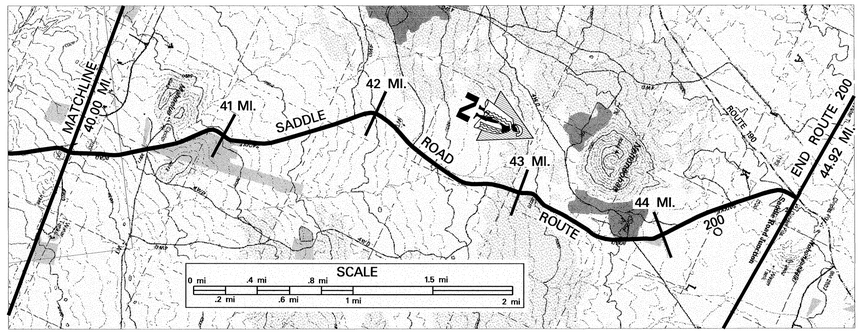
Total Route Length: 44.92 miles

a. Survey Length: 44.92 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

40 41 42 43 44 45 46 47 48 49 50

Maintenance Control Sections : Length and Description

Structure Carrying Road

- **Bridges (Over 20'): Length, Type, Capacity and Year Constructed**: SLAB 1957 HS-20 | 21' (42.49) | 22' ; SLAB 1957 HS-20 | 39' (44.14) | 24'
- **Vertical Clearance**
- **Horizontal Clearance**

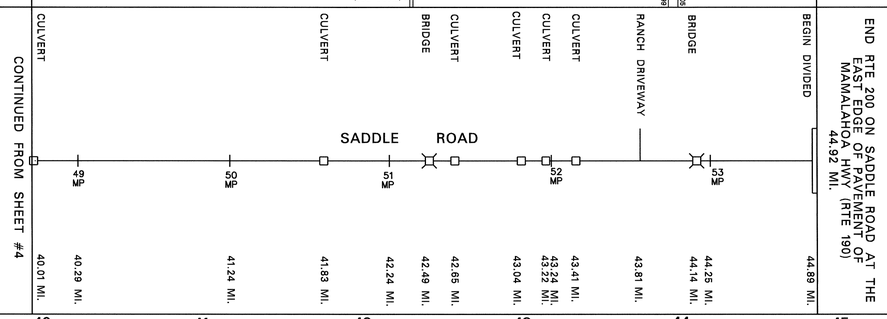
Structure Over RRs

- **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 (40.82 – 42.71) ; WIRE ON WOOD (43.08 – 44.05)
- **Control of Access: 1–None, 2–Partial, 3–Full**: NONE
- **Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**: COUNTY
- **Project No., Type of Construction, and Year Constructed**: (JOB #5912) (43.39 – 44.05)
- **Project No., Type of Construction, and Year Constructed**: (JOB #5912)

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 2" = 1 mile

40 41 42 43 44 45 46 47 48 49 50

Divided Highway

Undivided

- **Shoulder: Width and Type**: 3'-6' GRV. | 3'-6' GRASS | (8' GRV.) | (8' DIRT)
- **Pavement: Width and Type**: 18' AC | (9' AC)
- **Shoulder: Width and Type**: 3'-6' GRV. (9' AC) | 8' AC (3'-8' GRASS) | 3'-6' GRASS | (8' AC) | 3'-6' GRASS (8' GRV.) | (8' DIRT)
- **Median: Width and Type**: (0)
- **Median Barriers:**: (0'-15' PAINTED AC)
- **Shoulder: Width and Type**: (0)
- **Pavement: Width and Type**: (9' AC)
- **Shoulder: Width and Type**: (8' GRV.)

- **Number of Traffic Lanes**: 2-9'
- **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)**
- **Protective Devices: Type, Location and Number**: (STEEL ON STEEL) (42.38 – 42.49) (43.08 – 43.39)
- **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 Stations (Current Year)**: B71 0200 02706
- **HPMS Sectiona – AADT 2009**: 1,600
- **HPMS Sectiona – AADT 2008**: 813
- **HPMS Sectiona – AADT 2007**: 830
- **DOD Sections**
- **Census Tracts**
- **Functional Classification**: MINOR ARTERIAL (4)
- **National Highway System (NHS)**: NOT ON NHS (0)
- **Previous Projects: Project No., Date and Limits**

SCALE: (In Miles) 2" = 1 mile

40 41 42 43 44 45 46 47 48 49 50

Date Released
NOV. 05, D.B.
Revised
7/06 D.B.
8/07 D.B.
1/09 D.B.
9/10 D.B.
2/11 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

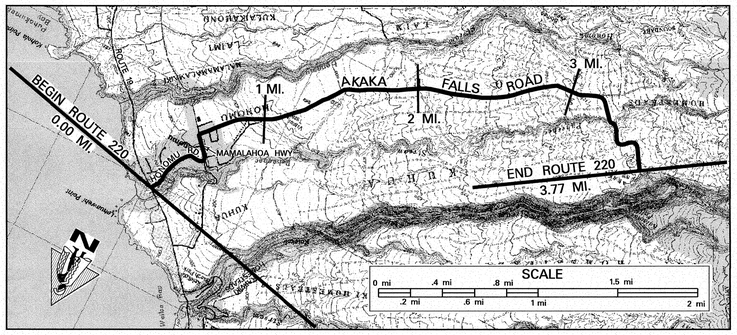
Total Route Length: 3.77 miles

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' (0.61) | 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
- **Project No., Type of Construction, and Year Constructed** — STA 8+70 | STA 21+87.59 → 220A–01–03M RESURF 2005 (0.58) | 220A–01–02M, (R), 2004
- **Project No., Type of Construction, and Year Constructed** — 220A–01–90M, 1990

Road Diagram

* MP = Milepost Signage

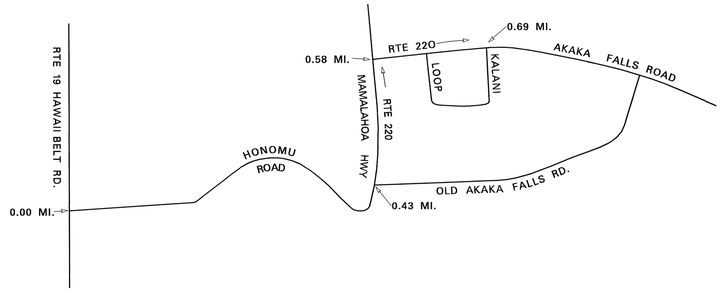
BEGIN RTE 220 ON HONOMU ROAD AT WEST EDGE OF PAVEMENT OF HAWAII BELT ROAD (RTE 19). 0.00 MI.

POST OFFICE RDS. 0.16 MI. | PUA ST. 0.24 MI. | OLD AKAKA FALLS RD. 0.43 MI. | OLD HWY MAMALAHOA 0.58 MI. | KALANI LOOP ROAD 0.68 MI. | OLD AKAKA FALLS RD. 0.74 MI. | WATER TANK ELEV. 500' MARKER 0.80 MI. | OLD AKAKA FALLS RD. 0.98 MI. | OLD CAMP ROAD 2.00 MI. | PAHEEHEE MAUKA BRIDGE #3 3.03 MI. | 3.18 MI. | 3.36 MI. | 3.77 MI.

0 MP | 1 MP | 2 MP | 3 MP | 3.75 MP

HONOMU ROAD 0.01 MI. | MAMALAHOA HWY 1.15 MI. 1.12 MI. | AKAKA FALLS ROAD

END RTE 220 ON AKAKA FALLS ROAD AT THE ENTRANCE TO AKAKA FALLS STATE PARKING LOT @ 3.77 MI. (AKAKA FALLS SIGN).



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 (0.43) | 8' AC (0.42) | 4' AC
- **Pavement: Width and Type** — 22' AC (0.49) | 38' AC (0.58) | 24' AC (3.21) | 22' AC
- **Shoulder: Width and Type** — 4' AC (0.42) | 3' GRASS | 4' AC

Divided Highway

- **Median: Width and Type**
- **Median Barriers:**
- **Shoulder: Width and Type**
- **Pavement: Width and Type**
- **Shoulder: Width and Type**

- **Number of Traffic Lanes** — 2–11' (0.42) | 2–11' (0.58) | 2–12' (3.21) | 2–11'
- **Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)** — 8' PARKING LANES (0.43 | 0.58)
- **(Right Side)**
- **Frontage Road: No. of Lanes, and Width (Right and Left)**
- **Sidewalk: Width and Type (Right and Left)**
- **Curb and/or Gutter: Type (Right and Left)**
- **Protective Devices: Type, Location and Number** — ALL GUARDRAILS ARE 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 (1.20 | 3.14)
- **Speed: 1–Design, 2–Posted** — 25 MPH (2) (1.08) | (30 MPH (1)) | 45 MPH (1) | 45 MPH (2) | (35 MPH (1)) | 25 MPH (1) (3.25)
- **Intersection Control Devices: Type, Location and Cycle Timing** — (B71 0220 00042)
- **Traffic Stations (Current Year)** — B71 0220 00000 | B71 0220 00058 | B71 0220 00098
- **HPMS Sections – AADT 2009** — 1,786 | 1,786 (0.42) | 1,786 (0.58) | 1,786 (0.98) | 1,786
- **HPMS Sections – AADT 2008** — 1,782 | 1,782 | 1,782 (3.77)
- **HPMS Sections – AADT 2007** — 1,820 (0.98) | 1,820 (3.03) | 1,820
- **DOD Sections**
- **Census Tracts**
- **Functional Classification** — MAJOR COLLECTOR (5)
- **National Highway System (NHS)** — NOT ON NHS (0)
- **Previous Projects: Project No., Date and Limits**

3.62 — (STP-0100(31), 1994)

(220A-01-72, 1972 (R)) — 0.48 — (S-246-1, 1950) — 220A–01–79M, 1978 (R); PMS–0100(8), UNIT 5

0.43 CTY. | 0.59 — 1.11 — (220A–02–72, 1973) | A–220–01–64, 1965 | 2.69 COUNTY 3.07 | A–22–01–61, 1961 | 3.62 CTY.

(S-246-1, 1950) 0+16 – 0+10 | 27+50 – 105+00 | 21+50 – 37+00 | 7+50

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.
9/10	G.N.
2/11	D.B.

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

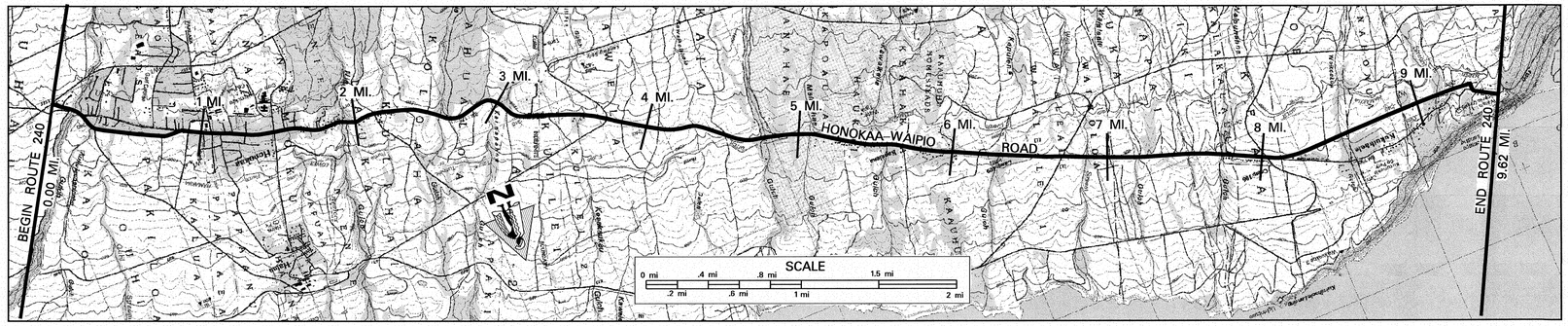
Total Route Length: 9.62 miles

a. Survey Length: 9.62 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

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 | TEE BEAM, 1967, HS–20 | CULVERTS 1966, HS–20 | PRESTRESSED CONCRETE GIRDER 1967, HS–20 | PRESTRESSED CONCRTETE BEAM 1971 HS–20 1972 | PRESTRESSED CONCREETE GIRDER 1979, HS–20–44

27′ | 80′ | 24′ | 51′ | 51′ | 154′ | 206′ | 115′ | 67′ | 100′

Vertical Clearance

0.21 | 1.98 | 4.81 | 5.01 | 5.55 | 6.84 | ~7.79 | 9.17

Horizontal Clearance

24′ | 28′ | 36′ | 36′ | 36′ | 36′ | 28′ | 36′ | 36′ | 36′

Structure Over Pass Rdwy

Vertical Clearance

Horizontal Clearance

(170′–200′) 9.34 9.48

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

80′–235′ 0.37 | 40′–60′ 0.92 | 80′–100′ 2.01 | 80′–138′ 3.69 | 80′–174′ 5.29 | 80′–110′ 5.75 | 80′–215′ 8.02 | 90′ 8.21 | 90′–130′ 8.62 | 130′ 8.70 | 100′–110′ 8.92 | 140′ 9.27 | 90′–100′ 9.34 | 70′ 9.48

Available Right of Way Width (Needs Study)

(1000′ CLEAR 15′–20′ FROM E.P.) 0.15 | SUGAR CANE (L) RESIDENTIAL (R) 0.86 | RESIDENTIAL / TOWN 2.27 | 1000′ CLEAR – SUGAR CANE 15′–20′ FROM E.P. 3.19 | RES. AREA 3.36 | 1000′ CLEAR – SUGAR CANE 15′–25′ FROM E.P. 4.83 | TREES & BUSHES 5.20 | RESIDENTIAL AREA 6.00 | 1000′ CLEAR – SUGAR CANE 25′ FROM E.P. 7.71 | RESIDENTIAL AREA 8.14 | RESIDENTIAL WITH SUGAR CANE ON SIDE 8.27 | TREES & BUSHES | RES. AREA 9.49

Right of Way Fence: Type – Right and Left

0.93 1.12 (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 0.83 | COUNTY TO STATE PHASE 2 8.01 | STATE 9.41 (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 0.85 | 240A–01–72, (R), 1972 0.93 1.51 | S–0240(3) UNIT 2, 1970 1.87 | S–0240(2), 1965 3.61 | S–0240(4), 1967 5.57 | 240A–01–67, 1970 7.84 | 240A–02–71, 1972 8.02 | 240A–01–71, UNIT 1, NEW CONSTRUCTION, 1979 8.56 | 240A–01–71, UNIT 2, NEW CONSTRUCTION, 1979

BEGIN RTE 240 ON HONOKAA–WAIPIO RD. AT THE NORTH EDGE OF PAVEMENT OF HAWAII BELT ROAD (RTE 19). 0.00 MI.

ROAD (R) (OLD MILL ROAD) 0.00 MI. | OHIA ST. 0.03 MI. | KAHAUPU BR. 0.07 MI. | ROAD (L) OHIA ST. 0.21 MI. | MILL RD. END DIVIDED 0.23 MI. | OHIA ST. 0.34 MI. | ROAD 0.37 MI. | POST OFFICE 0.42 MI. | KAKALANA ST. 0.84 MI. | BRIDGE 0.88 MI. | MAILE ST. 1.01 MI. | PUKAKALO ST. 1.03 MI. | KONAWAI PL. 1.16 MI. | KAHILI ST. 1.18 MI. | CULVERT 1.25 MI. | LEHUA PL. (R) 1.32 MI. | CULVERT (L) 1.37 MI. | KAHILI ST. 1.50 MI. | CULVERT 1.59 MI. | NIENIE PL. (L) 1.64 MI. | NIENIE BR. 1.79 MI. | PAVED CANE–HAUL RD. 2.01 MI. | TRUCK CROSSING 2.17 MI. | TRUCK CROSSING 2.34 MI. | ROAD 2.83 MI. | ROAD 3.01 MI. | PAVED CANE–HAUL RD. 3.23 MI. | TRACTOR CROSSING 3.37 MI. | CULVERT 3.73 MI. | CULVERT 4.01 MI. | TRUCK CROSSING 4.08 MI. | ROAD 4.81 MI. | ROAD 4.87 MI. | KAWAIKALOA BR. 4.97 MI. | TRUCK CROSSING 5.18 MI. | ROAD 5.28 MI. | ROAD 5.37 MI. | CULVERT 5.55 MI. | TRUCK CROSSING 5.67 MI. | CULVERT 6.05 MI. | TRUCK CROSSING 6.16 MI. | CULVERT 6.29 MI. | TRACTOR CROSSING PAVED ROAD 6.70 MI. | WAIKALOA STR. BR. 6.76 MI. | TRACTOR CROSSING 6.84 MI. | TRUCK CROSSING 6.93 MI. | CULVERT 7.02 MI. | TRUCK CROSSING 7.20 MI. | CULVERT 7.53 MI. | TRUCK CROSSING 7.73 MI. | WAIPUNAHOE STR. BRIDGE 7.84 MI. | RDS. TO PUKUHAELE AFTER CAMP 100 (R) 8.02 MI. | PUKUHAELE ROAD (L) 8.11 MI. | CULVERT 8.41 MI. | TRACTOR CROSSING 8.50 MI. | KUKUHAELE RD. 8.55 MI. | ANGLE POINT 8.81 MI. | TRACTOR CROSSING 8.94 MI. | MUD LANE (ROAD TO CEMETARY) 9.00 MI. | TRACTOR CROSSING 9.17 MI. | WAIULILI BRIDGE 9.36 MI. | TRACTOR CROSSING 9.46 MI. | CULVERT 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.

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

3′–6′ AC 1.08 | 0′ 1.26 1.41 | (6′ GRV.) 0′ 1.48 | 7′ AC 1.87 | 6′ AC | 7′ AC 7.74 | 6′ AC

Pavement: Width and Type

24′ AC (43′ AC) 0.94 | 32′ AC 1.08 | 40′ AC 1.74 | 51′ AC | 40′ AC (52′ AC) | 24′ AC

Shoulder: Width and Type

3′–6′ AC 0.84 | 8″ GRS 1.00 | 0′ 1.14 1.23 | (3′–5″ AC) 0′ | 7′ AC 1.85 1.95 | 6′ AC | 7′ AC 8.02 | 6′ 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′ | 2–12′ | 2–12′

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

(2–17.5′) 0.94 1.00 1.08 | 2–12′ 1.26 1.41 | 2–17.5′ 1.48 | (2–18′) | 8′ PARKING LANE

(Right Side)

0.94 | 8′ PARKING LANE 1.58 1.62 1.74

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

Sidewalk: Width and Type (Right and Left)

5′–4″ CONC. SIDEWALK 1.34 1.39 1.46

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

CONC. CURB (L)&(R) 1.08 | (3′–4″ CONC. SIDEWALK) 1.74 2.03

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 | +1 0.42 0.73 | +2 3.69 3.89 | +4 4.08 | +2 4.44 4.57 | +1 6.07 6.20 | −2 6.66 | −2 6.85 | −2 7.85 8.00

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL

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

ROLLING 1.68 | MOUNTAINOUS 3.20 | ROLLING 7.84 | MOUNTAINOUS

Speed: 1–Design, 2–Posted

55 MPH (2) 0.84 | 25 MPH (2) 1.97 | 45 MPH (2) (MIN. 30 MPH) 3.19 3.34 | 45 MPH (2) 5.19 | 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 Stations (Current Year)

(B71 0240 00000) | B71 0240 00023 | B71 0240 00110 | B71 0240 00150 | B71 0240 00373 | B71 0240 00811

HPMS Sections – AADT 2009

4,165 | 5,156 | 5,156 | 2,581 | 1,982 | 1,982

HPMS Sections – AADT 2008

4,157 0.23 | 5,146 1.10 | 5,146 | 2,576 3.79 | 1,978 | 1,978 9.62

HPMS Sections – AADT 2007

4,245 0.88 | 5,255 1.50 | 2,630 3.23 | 2,020 5.01 | 2,020 6.02 | 2,020 7.79 | 2,020 8.11 | 2,020 9.17 | 2,020

DOD Sections

Census Tracts

Functional Classification MAJOR COLLECTOR (5)

National Highway System (NHS) NOT ON NHS (0)

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 7.84 | COUNTY

49 + 84.44 | 0 + 00 29 + 00 | 527 + 00 503 + 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

0 1 2 3 4 5 6 7 8 9 10

Date Released
OCT. 05, DB

Revised	
7/06	DB
1/10	DB
2/11	DB

ROAD INVENTORY

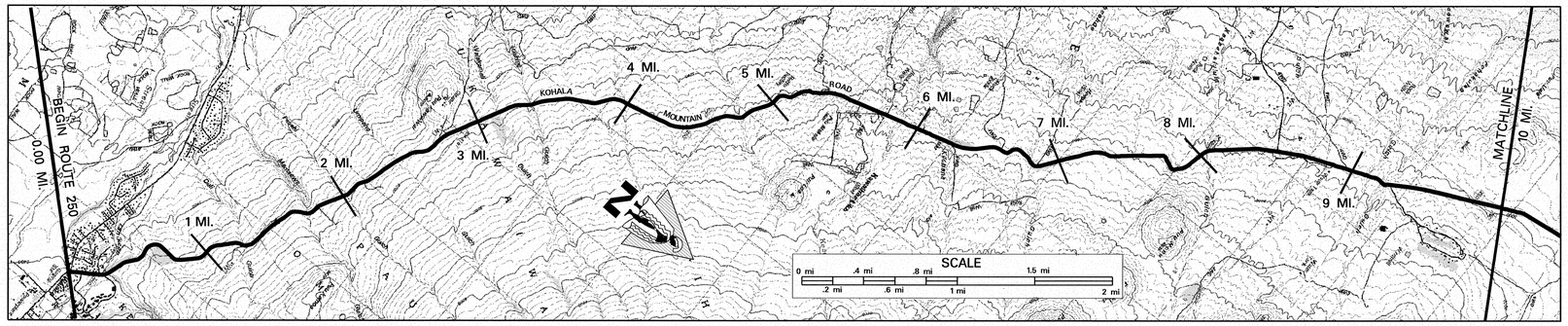
HAWAII RTE 250
KOHALA MOUNTAIN ROAD

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

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.)

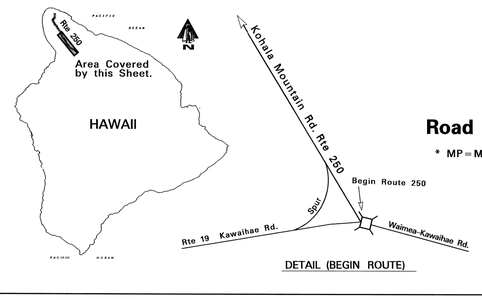
Structure Carrying Road

- **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) 0.18 0.38 | 60' | 3.85 | 80'–120' | 4.54 | 80'–130' | 5.39 | 80'–145' | 5.85 5.93 | 80' | 6.97 | Heavy Trees | 7.45 | Estimated 80'–140'
- **Available Right of Way Width (Needs Study)** — W/W 1.42 1.54 W/W 30' E.P.; W/W 20' E.P. 2.52 2.48; 2.73 Mountainous Ranch / Pastureland with Trees 5.39; 6.03 5.93 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 50' E.P.; W/W 25' E.P.; W/W 10' E.P.; W/W 20' E.P.
- **Control of Access: 1–None, 2–Partial, 3–Full** — Wood Posts 0.18 0.29 0.21 E.P.; Wire on Wooden Posts 10'–50' from Edge of Pavement 3.10 3.38 3.85 4.00 5.81
- **Jurisdiction, Transfer Phase No. and Date (C to S or S to C)** — None; State
- **Project No., Type of Construction, and Year Constructed** — (250A-01-91M (R) 1992) 3.85 3.96
- **Project No., Type of Construction, and Year Constructed** — 250A–01–90M (R) 1991; STP–0100 (31), 1994 Guardrail Improv. 5.40; 250A–01–91M (R) 1992 7.64; 250A–01–92M (R) 1993



DETAIL (BEGIN ROUTE)

Road Diagram

* MP = Milepost Signage

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

0.00 mi. Road to Lanikapu Estates (Kohala Christian Prep Academy) Spur to Kawaihae Rd. 0.02 mi. 0.08 mi. 0.18 mi. 0.22 mi. 0.31 mi. 0.43 mi. Culvert 1.08 mi. 3000' Elev. Sign 1.43 mi. 2.16 mi. 2.44 mi. Road to Com. Sta. 3.44 mi. 4.44 mi. Lookout 5.07 mi. Honokoa Bridge 5.35 mi. 5.44 mi. 3564' Crest 5.90 mi. Kawaihae Uka Bridge 6.32 mi. 6.45 mi. 6.82 mi. 7.45 mi. Culvert "District of North Kohala" sign 8.06 mi. Road to Kohala Ranch 8.24 mi. Kahua Ranch Road 8.45 mi. 8.50 mi. Culvert 9.21 mi. 3000' Elev. Sign 9.49 mi. Culvert 9.63 mi. 9.78 mi. 9.80 mi.

KOHALA MOUNTAIN ROAD

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

CONTINUED ON SHEET #2.

SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided

- **Shoulder: Width and Type** — 1–2" AC/6" Grv. 0.24; 2' AC 0.38; (4' AC / 2' Grv.); 2' AC / 4' Grs. 0.80 1.79; 2' AC / 8' Grs. 2.76; 2' AC / 2' Grs. 3.84; 6'–10' AC 4.01; 2' AC / 4' Grs. 5.34; 2' AC / 6' Grs. 8.71
- **Pavement: Width and Type** — 4' AC / 2' Dirt 0.70; 20' AC 2.65; 18' AC 3.84; 24' AC 4.58; 6'–8' AC 4.20; 18' AC (23' AC) 5.38; 25' AC 6.11; 20' AC 6.41; 18' AC 7.48; 20' AC 9.18
- **Shoulder: Width and Type** — 2' AC / 2' Grs.; 1–2" AC/8" Grv. 5.33; 2' AC / 4' Grs. 5.84; 2' AC / 2' Grs.

Divided

- **Median: Width and Type**
- **Median Barriers:**
- **Shoulder: Width and Type**
- **Pavement: Width and Type**
- **Shoulder: Width and Type**

- **Number of Traffic Lanes** — 2–10' 2.65; 2–9' 3.84; 2–12' 4.58; 2–9' 5.34; (1–11') 1–13' 1–12' 6.41; 2–10' 7.48; 2–9' 9.18; 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 5.87 6.01 6.62 M/C; M/C M/C 6.11 6.23 6.37 6.42 6.82 6.83 6.91 M/C; 9.22 9.20 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:** — Small Urban 1.77; Rural
- **Terrain: 1–Flat, 2–Rolling, 3–Mountainous** — Rolling 0.24 0.38; Mountainous; Rolling 5.74
- **Speed: 1–Design, 2–Posted** — 25 MPH Not Posted 0.27; 35 MPH
- **Intersection Control Devices: Type, Location and Cycle Timing**
- **Traffic Stations (Current Year)** — B71 0250 00000; B71 0250 00177; B71 0250 00850
- **HPMS Sections – AADT 2009** — 2,282; 2,183; 8.50 2,183
- **HPMS Sections – AADT 2008** — 2,277; 2,179; 2,179
- **HPMS Sections – AADT 2007** — 2,325; 2,225
- **DOD Sections** — 1.77
- **Census Tracts**
- **Functional Classification** — Major Collector (5)
- **National Highway System (NHS)** — Not On NHS (0)
- **Previous Projects: Project No., Date and Limits** — 250A–01–73, 1973 FAP E–11A 1932 (FAP E–11A, 1933) 776+09.30 0.29; S–239(1) 1954, 56 3.85 570+00 4.54 593+37.97; 250A–01–91M (R) 1992 4.62; (250A–01–72 (R), 1972) 5.35 5.37 (S–0250 (2), 1961) 5.83 5.85 468+50; 250A–01–75M, 1975 6.39 S–0250 (1), 1956 6.40 439+06.82; 7.64 250A–01–72 (R) 1972 8.76 250A–03–72 (R) 1972

SCALE: (In Miles) 2" = 1 mile

Date Released
Nov. 2003, D.B.
Revised
7/06 D.B.
9/10 D.B.
2/11 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

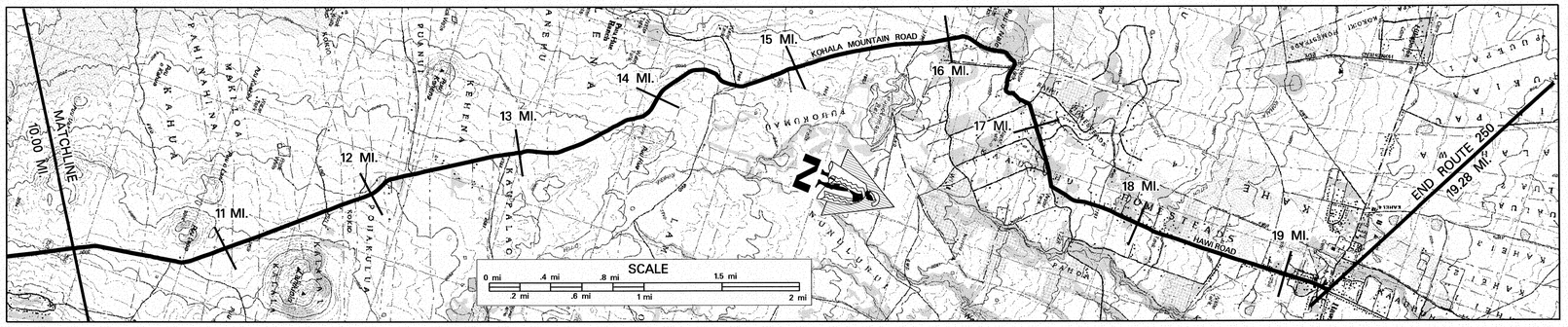
Total Route Length: 19.28 miles

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

- 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)

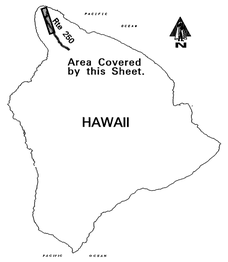
W/W 20' E.P. | W/W 15'–50' E.P. | W/W 15' E.P. | W/W 15' E.P. | W/W 12' E.P. | W/W 20' E.P. | W/W 10' E.P. | W/W 12' E.P.

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-01-02M, Resurface 2005

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



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #1

Culvert | Culvert Ranch Road | Culvert | 2500' Elev. Sign | Driveway | Culvert | Paved Road | Rd. to FAA Station | Paved Road | Kom. Preschool Ent. (L) | Bears Road (R) | Pu'u Mamo Drive | Kynnersly Road | Kainoa Road | Paved Road | Future Development Kaauhihu Road | Paved Road | Paved Road (L)

KOHALA MOUNTAIN ROAD — HAWI ROAD

STA 278+80 | STA 738+50 | angle point

MP 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 21.84

10.50 mi. / 10.45 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. | 17.38 mi. | 17.45 mi. | 18.45 mi. | 18.55 mi. | 18.57 mi. | 18.60 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: 2' AC/ 6' Grs. | 1' AC / 4' Grs. | 1' AC / 2' Grs. | 2' AC / 2' Grs. | 2' AC/ 6' Grs. | 1' AC / 2' Grs. | 2' AC / 4' Grs. | 2' AC / 6' Grs. | 0 | 6' AC
- Pavement: Width and Type: 20' AC | 22' AC | 20' AC
- Shoulder: Width and Type: 2' AC / 2' Grs. | 6' Grs. | 4' Grs. | 2' AC / 4' Grs. | 2' AC/ 10' Grs. | 2' Grass
- Median: Width and Type: (4' AC) | (15'–20' AC)
- Median Barriers:
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type

Number of Traffic Lanes: 2–10' | 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

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 Stations (Current Year): B71 0250 00850 | B71 0250 01738 | B71 0250 01855

HPMS Sections – AADT 2009: 2,183 | 2,973 | 4,067

HPMS Sections – AADT 2008: 2,179 | 2,967 | 4,059

HPMS Sections – AADT 2007: 2,225 | 3,030 | 4,145

DOD Sections

Census Tracts

Functional Classification: Major Collector (5)

National Highway System (NHS): Not On NHS (0)

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.
9/10	D.B.
2/11	D.B.

ROAD INVENTORY

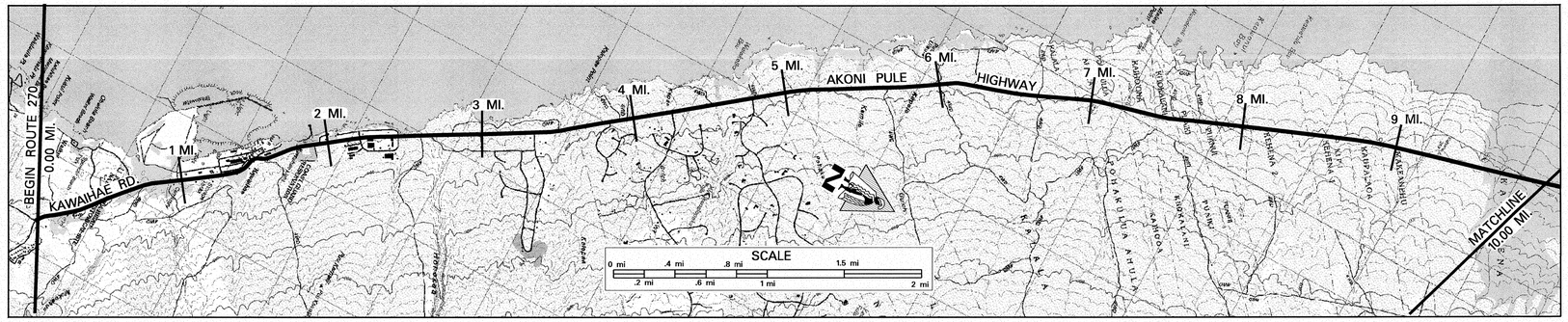
HAWAII RTE 270
KAWAIHAE ROAD–AKONI PULE HWY

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

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

Maintenance Control Sections : Length and Description

BEGIN 27A SAME AS BEGIN RTE 270 | 27 A (1.50 MI.) | 1.50 | 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 1965, HS–20 165'

Vertical Clearance
0.85 | 0.91 | 1.36 | 2.84

Horizontal Clearance
28' | 40' | 40' | 28'

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies
60' – 80' | 1.92 | 60' | 80' – 180'

Available Right of Way Width (Needs Study)
BRUSH & TREES | 1.53 | RES. AREA | 1.62 | BRUSH & TREES | 4.73 | RES. AREA | 4.98 | CLEAR 1000' BUSHES & SMALL TREES (SOME CUT SLOPES)

Right of Way Fence: Type – Right and Left
(CHAINLINK 10' FROM E.P.) | 1.47 | 1.39 | (STONE WALL 10' FROM E.P.) | 3.40 | (STONE WALL 10' FROM PAVMT.) | 3.91 | (CHAINLINK 10' FROM PAVMT.) | 4.47 | 4.80 | (STONE WALL) | 5.73

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) | 9.89

Project No., Type of Construction, and Year Constructed
87+50 | 61+52 | 81+28 | 56+00 | 47+00 | (NH-019-1(29), GUARDRAIL & SHLDR. IMPR., 2006) | 0.04 | 0.07 | 0.38 | FLH-0270(18) INTER. IMP., 2006 | 0.94 | 0.65 | 1.02 | (FLH-0270(17), INTER. IMP., 2006)

Project No., Type of Construction, and Year Constructed
(19CD–01–97M, RESURF., 1999) | 0.04 | 0.07 | STP-0270(13), SHLDR. IMPRV 1998 | 0.38 | 270A–01–99M, RESURF., 2001 (270A–01–99M, RESURF., 2001) | 1.52 | 270A–01–96M, (R), 1997 | 4.78 | STP–0270(13), 1998, (SHLDR. IMPRV.) | 9.01 | 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 0.03 MI. | BEGIN DIVIDED ROAD 0.10 MI. | 68+00 | END DIVIDED & BEGIN UNDIVIDED 0.19 MI. | END DIVIDED ROAD 0.27 MI. | POHAUKOLE BRIDGE 0.32 MI. | SPENCER PARK RD. T.C. 0.43 MI. | ACCESS RD. 0.76 MI. | MAKAHUNA BRIDGE 0.69 MI. | ROAD TO HARBOR 0.74 MI. | MAKAHUNA BRIDGE 0.85 MI. | ROAD TO HARBOR 0.97 MI. | KAWAIHAE BRIDGE 1.10 MI. | ROAD TO HARBOR 1.25 MI. | ROAD TO KAWAIHAE HARBOR 1.36 MI. | CULVERT 1.42 MI. | KAEWA PL. 1.50 MI. | CULVERT 1.58 MI. | KALAEOLO ST. (L) MALUOKALANI ST. (R) 1.72 MI. | CULVERT 1.94 MI. | HONOKOA ST. (L) MALUOKALANI ST. (R) 2.08 MI. | CULVERT 2.20 MI. | HONOKOA BRIDGE 2.30 MI. | BEGIN DIVIDED 2.44 MI. | KALO O LO'O DR. 2.64 MI. | END DIVIDED 3.13 MI. | "DISTRICT OF KOHALA" SIGN 3.10 MI. | BEGIN UNDIVIDED 3.34 MI. | END DIVIDED 3.66 MI. | HOKUKELE DR. (MAKE A RIGHT TO THE SEA) 3.67 MI. | ALA KAHUA 3.84 MI. | BEGIN DIVIDED 4.10 MI. | END DIVIDED 4.13 MI. | ROAD TO KOHALA RANCH 4.08 MI. | END DIVIDED 4.25 MI. | CULVERT 4.49 MI. | CULVERT 4.64 MI. | CULVERT 4.77 MI. | CULVERT 4.84 MI. | CULVERT 4.99 MI. | CULVERT 5.10 MI. | CULVERT 5.26 MI. | CULVERT 5.28 MI. | CULVERT 6.10 MI. | CULVERT 6.23 MI. | CULVERT 6.55 MI. | CULVERT 6.68 MI. | CULVERT 6.94 MI. | CULVERT 7.10 MI. | CULVERT 7.61 MI. | CULVERT 8.04 MI. | CULVERT 8.10 MI. | CULVERT 9.10 MI. | CULVERT 9.19 MI. | KAIHOLENA PLACE 9.73 MI.

KAWAIHAE ROAD | AKONI PULE HWY

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
7' AC | 0.17 | 6' AC | 0.53 | 7' AC | 1.91 | 5' CORAL | 1.91 | 6' SEAL COAT | 12' AC | 6' SEAL COAT | 4.76 | 6' AC | 9.51 | 6' SEAL COAT

Pavement: Width and Type
(11' AC) 22' AC | 1½' AC | 2½' AC | 1½' AC | 22' AC | 1.52 | 22' BP | 24' AC | 14' AC | (24' AC) 12' AC | 12' AC | 24' AC | 12' AC | 24' AC

Shoulder: Width and Trype
(0) 7' AC | 0 | 6' AC | 0 | 7' AC | 1.91 | 5' CORAL | 1.91 | 6' SEAL COAT | 0 | (6' SEAL COAT) 0 | 0 | SEAL COAT | 0 | 6' AC | 9.51 | 6' SEAL COAT

Median: Width and Type
0.03 | 6.19 | PAINTED AC | 0.32 | 0.53 | (10' PAINTED AC) | 3.13 | 0'–15' PAINTED AC | 3.81 | 12' PAINT | 4.08 | 10' PAINT | 4.13 | 4.64 | 12' PAINT | 4.98

Median Barriers:

Shoulder: Width and Type
(0) 0 | 0 | 0 | 0 | 0 | 0

Pavement: Width and Type
(11' AC) 1½' AC | 1½' AC | 14' AC | 12' AC | 12' AC | 12' AC

Shoulder: Width and Type
(6' AC) 6' AC | 6' AC | 10' AC | 6' SEAL COAT | 6' SEAL COAT | 4.76 | 6' AC

Number of Traffic Lanes
2–11' | 1.91 | (6' SEAL COAT) 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
11' LNS. | 3.13 | 3.81 | 10' T.L. | 4.25 | 4.35 | 4.50 | 12' T.Ls. | 4.77

(Right Side)
1–10' (L) T.L. | 0.32 | 0.49

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 | 0.21 | 0.32 | 0.52 | 0.60 | 0.68 | 0.73 | 2.84 | 2.92 | 3.10 | 3.18 | 3.20 | 3.54 | 3.56 | 3.90 | 3.99 | 4.23 | 4.27 | 4.58 | 4.70 | 4.84 | 5.12 | 5.15 | 5.30 | 5.86 | 5.92 | 6.08 | 6.11 | 6.48 | 6.56 | 6.74 | 6.77 | 7.02 | 7.11 | 7.18 | 7.28 | 7.47 | 7.52 | 7.61 | 7.98 | 8.02 | 8.65 | 8.68 | 8.76 | 8.87 | 8.99 | 9.30 | 9.40

Illumination: Type, Location and Number
4 MV | 1.29 | 1.51 | 1 MV | 2.18 | 1 MV | 2.62

Curves: Degree of Curvature (Right and Left)

Grades: % Grade, Positive or Negative
2.34 | 0 | 2.85 | 4.38 | –1 | 4.69 | +6 | 4.89 | 5.32 | –2 | 5.42 | 5.51 | +1 | 5.81 | 6.27 | +1 | 6.43 | 6.52 | +2 | 6.92 | 7.65 | –1 | 7.76 | 7.88 | +2 | 8.17 | 8.44 | +4 | 8.79 | 8.90 | –1 | 9.10 | 9.81 | –2 | 9.95

HOV Lanes/Contra–Flow Lanes

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
SMALL URBAN | 2.44 | RURAL

Terrain: 1–Flat, 2–Rolling, 3–Mountainous
ROLLING | 0.81 | FLAT | 1.50 | ROLLING (2)

Speed: 1–Design, 2–Posted
45 MPH (2) | 1.31 | 1.36 | 35 MPH (2) | 2.49 | (45 MPH (1)) | 2.70 | 40 MPH (1) | 3.90 | 55 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)
B71 0270 00000 | (B71 0270 00136) | B71 0270 00150 | B71 0270 00244 | B71 0270 00313 | B71 0270 00499

HPMS Sections – AADT 2009
7,831 | (5,554) | 1.50 | 5,554 | 5,554 | 3.13 | 5,554 | 4.99 | 5,554

HPMS Sections – AADT 2008
7,815 | (5,543) | 1.50 | 5,543 | 5,543 | 3.13 | 5,543 | 4.99 | 5,543

HPMS Sections – AADT 2007
7,980 | 1.39 | 5,660 | 2.44 | 5,660

DOD Sections

Census Tracts

Functional Classification
PRINCIPAL ARTERIAL (3) | 1.39 | MINOR ARTERIAL (4)

National Highway System (NHS)
ON NHS (1) | 2.44 | NOT ON NHS (0)

Previous Projects: Project No., Date and Limits
(270A–01–99M, RESURF., 2001) 0.01 | 0.17 | 0.53 | 270A–01–99M, RESURF., 2001 | 1.52
STP–0270(13), SHLDR. IMPRV. 1998 | 1.51 | 270A–01–96M, 1997, (R) | 5.00
27A–01–88M, 1988, (R)
WDRC–12(1), 1947 | 0.64 | 0.79 | 270A–01–72, 1972, (R) | WDRC 12(1), 1947
FAP 11 B, 1933 | 0.70 | S–0260(1), 1959 | 1.50 | FAP 110, 1937 | 1.91
STA. 0 + 00 | STA. 22 + 00 | STA. 603 + 54.46
(HHS–027–1(1), SAFTY IMPRV.)
270A–01–83M, RESURF., 1983
270A–01–79, SHLDR. STAB. 1980
A270–01–62, 1967, 68

SCALE: (In Miles) 2" = 1 mile

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

Date Released
SEPT 05, D.B.

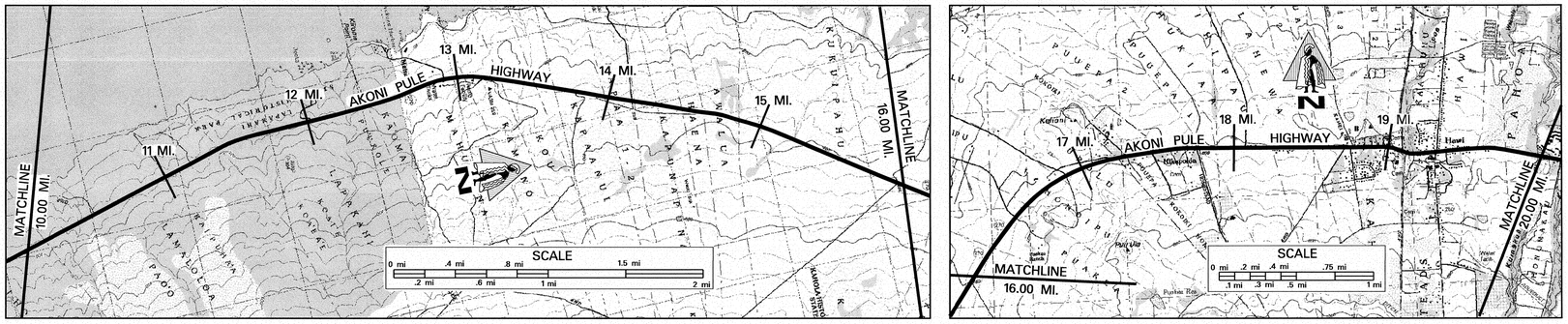
Revised	
7/06	D.B.
1/07	D.B.
9/10	D.B.
2/11	D.B.

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

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

Maintenance Control Sections : Length and Description

270A (11.44 MI.) — 12.34 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
- Vertical Clearance
- Horizontal Clearance

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: 80'–180' (13.26) 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: (16.49) WIRE ON WOOD 50' FROM EDGE OF PAVEMENT / WIRE ON WOOD 50' FROM EDGE OF PAVEMENT

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): COUNTY TO STATE PHASE 2 — 14.23 STATE — 18.10 COUNTY TO STATE PHASE 2

Project No., Type of Construction, and Year Constructed: 270A–01–83M, RESURFACE, 1988 — 13.26 270B–01–69M, RESURFACE, 1997 — 17.75 RS–STP–0270(11), RESURFACE, 1996

Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET #1

CULVERT (10.01 MI.) | CULVERT (10.10 MI.) | CULVERT (10.15 MI.) | CULVERT (10.37 MI.) | CONCRETE DRIVEWAY (10.65 MI.) | LAPAKAHI HISTORIC STATE PARK CULVERT (10.92 MI.) | ACCESS ROAD TO MAHUKONA WHARF (11.11 MI.) | CULVERT (11.90 MI.) | TWIN CULVERT (12.04 MI.) | PAVED ROAD (12.10 MI.) | KAPAA ROAD PARK (L&R) (12.94 MI.) | AKONI PULE HIGHWAY | PAVED ROAD (13.80 MI.) | T.C. PUAKEA PAVED ROAD (DRIVEWAY) (R) (13.54 MI.) | BAY DR. (L) (13.48 MI.) | COAST GUARD STATION ROAD (14.15 MI.) | ROAD KOKOIKI RD. (14.11 MI.) | LINCOLN ROAD (15.11 MI.) | UPOLU AIRPORT RD. (15.95 MI.) | ROAD HUALUA ROAD (16.11 MI.) | ROAD (16.48 MI.) | T.C. ROAD (L) & 21 MP (16.48 MI.) | HAWI RD. (R) & (L) (16.90 MI.) | WATER SUPPLY RD. SUBSTATION (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.) | (18.98 MI.) | (19.12 MI.) | (19.15 MI.) | (19.32 MI.) | (19.33 MI.) | (19.52 MI.) | (19.58 MI.) | (19.62 MI.)

CONTINUED ON SHEET #3

SCALE: (In Miles) 2" = 1 mile

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

Divided Highway – Undivided
- Shoulder: Width and Type — 6' SEAL COAT | 10' GRAVEL | 10' GRASS | 10' GRASS (6' GRASS) | 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' GRASS (3' GRASS)
- Median: Width and Type
- Median Barriers:
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type

Number of Traffic Lanes: 2–12' | (2–14') 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 | −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 Stations (Current Year): B71 0270 00499 | B71 0270 01294 | B71 0270 01648 | B71 0270 01810 | B71 0270 01932

HPMS Sections – AADT 2009: 5,554 | 5,254 | 5,254 | 5,451 | 5,849

HPMS Sections – AADT 2008: 5,543 | 5,244 | 5,244 | 5,440 | 5,837

HPMS Sections – AADT 2007: 5,660 | 5,355 | 5,355 | 5,555 | 5,960

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4) | MAJOR COLLECTOR (5)

National Highway System (NHS): NOT ON NHS (0)

Previous Projects: Project No., Date and Limits

270A–01–79 SHLDR. STAB, 1980
A–270–01–62 1967, 68 — 13.26 STA. (–)5 + 92.37 — STA. 609.04

S–0270(7) 1972, 73 — 15.92 STA. 147 + 00

S–0270(3), 1972 — 17.75 STA. 244 + 92.36

STA. 255 + 36.71 — S–203(2), 1951

SCALE: (In Miles) 2" = 1 mile

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

Date Released
SEPT 05, D.B.

Revised	
7/06	D.B.
9/10	D.B.
2/11	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

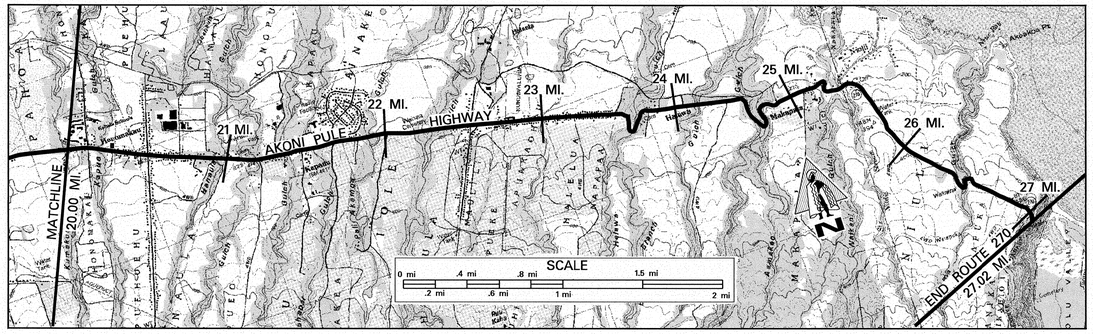
Total Route Length: 27.02 miles

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	26′	160′	80′	22′ | 33′
Horizontal Clearance	36′	18′	18′	18′ | 18′

Structure Over Carried Road

Vertical Clearance	
Horizontal Clearance	

Right of Way Width (min.–max.) if varies 40′–100′

Available Right of Way Width (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

(BR–0270(18), MAJOR SEISMIC RETROFIT, 2009) | (BR–0270(18), MAJOR SEISMIC RETROFIT, 2009)

Project No., Type of Construction, and Year Constructed

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

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #2

KOHALA HIGH SCHOOL RD. · PUEHUEHU PL. · PUEHUEHU ROAD · KYNNERSLY RD. · KEKOA UHANE RD. (PRIVATE ROAD) · ELEV. 500′ SIGN · PAVED ROAD · KAM. PARK NAT'L. MEMORY · NONAME PLACE · KOHALA HOSPITAL 2ND HOSPITAL ENT · END DIVIDED · BEGIN DIVIDED · PAVED ROAD · ROADS (L&R) · MAULI[L] RD. (R) · CULVERT · CULVERT · AKANA PLACE · PRATT ROAD · WALAOHIA BRIDGE · AAMAKOA BRIDGE · CAMP KOAPAKA CULVERT · AKONI PULE HWY · AKONI PULE HWY · WILILI BRIDGE · WAIKANE BRIDGE · BOX CULVERT · 28.93 MP

AKONI PULE HIGHWAY

END ROUTE 270 ON AKONI PULE HWY AT THE ENTRANCE TO LOOKOUT LOCATED AT 27.02 MI.

SCALE: (In Miles) 2" = 1 mile

Divided Highway

	Undivided	Divided
Shoulder: Width and Type	8′ BP	10′ GRS.
Pavement: Width and Type	24′ AC	24′ AC
Shoulder: Width and Type	10′ GRS.	6′ GRS.
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.

8′ BP | 0 | 10′ GRS. | 6′ GRS. | 8′ GRASS | 0 | 10′ GRASS | 4′ GRS. | 8′ GRS. | 6′ GRASS (4′ GRASS) | 8′ GRS. | 4′ GRS. | 0 | 3′ GRASS | 5′ GRASS | 4′ GRASS

24′ AC | 24′ AC | 20′ AC

6′ GRS | 10′ GRASS | 10′ DIRT | 6′ GRASS | 6′ GRS | 6′ GRS | 0 | 6′ GRASS | 8′ GRASS | 8′ BP | 6′ GRASS | 3′ GRS. | 4′ GRS. | 6′ GRS. | 0 | 5′ GRS. | 4′ GRS. | 3′ AC | 3′ GRS. | 5′ GRASS | 4′ GRASS

11′ PAINT | 0 | 12′ AC | 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 | 4′ | 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 (B71 0270 02140)

Traffic Stations (Current Year) B71 0270 01932 | B71 0270 02160 | B71 0270 02257 | B71 0270 02545

HPMS Sections – AADT 2009

5,849	5,652	4,362	2,581	598

HPMS Sections – AADT 2008

5,837	5,641	4,353	2,576	597

HPMS Sections – AADT 2007

5,960	5,760	4,445	2,630	610

DOD Sections

Census Tracts

Functional Classification MAJOR COLLECTOR (5)

National Highway System (NHS) NOT NHS (0)

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.
9/10	D.B.
2/11	D.B.

ROAD INVENTORY
HAWAII RTE 1370
KALANIANAOLE STREET

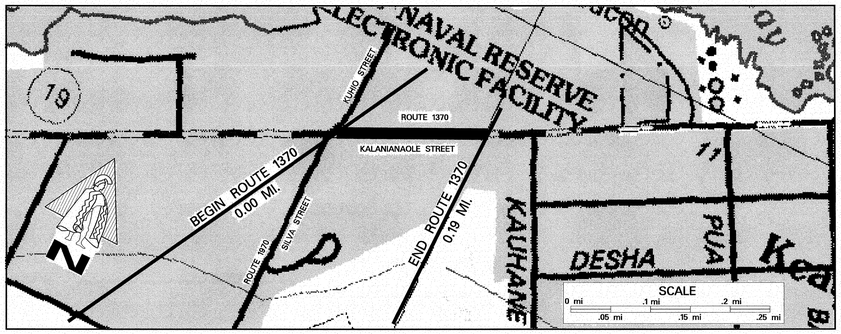
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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.

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

SCALE: (In Miles) 20" = 1 mile

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

Divided Highway

Undivided
- Shoulder: Width and Type — 4' AC
- Pavement: Width and Type — 26' AC | 11' AC
- Shoulder: Width and Type — 4' AC | 0

Median: Width and Type — 0.11 | 0–11' PAINTED AC
- Shoulder: Width and Type — 0
- Pavement: Width and Type — 11' AC
- Shoulder: Width and Type — 4' AC

Number of Traffic Lanes — 2–13' | 2–11'

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

(Right Side) — 0.13 | 9' T.L.

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

Sidewalk: Width and Type (Right and Left) — 0.13 | 4' Conc. S.W.

Curb and/or Gutter: Type (Right and Left) — 0.03 | 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 0.05

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban

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 Stations (Current Year) — B71 1370 00000

HPMS Sections – AADT 2009 — 9,803

HPMS Sections – AADT 2008 — 9,783

HPMS Sections – AADT 2007 — 0.00 | 9,990 | 0.19

DOD Sections

Census Tracts

Functional Classification — Principal Arterial (3)

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

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.
9/10	D.B.
2/11	D.B.

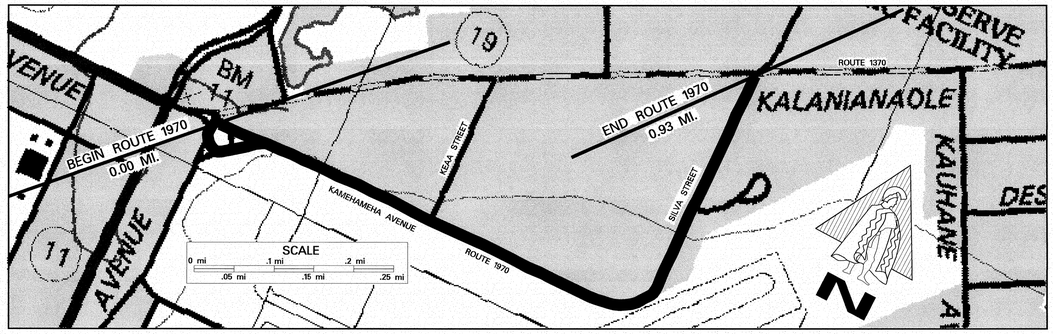
ROAD INVENTORY
HAWAII RTE 1970
KAMEHAMEHA AVE., SILVA ST.

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
- 0.13 – Chain Link Fence, 10'–20' from Edge of Pavement – 0.99

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 | 0.06 | 2' AC / 6' Grass | 0.12 | 10' AC | 0.20 | 2' AC / 10' Grass | 0.76 | 10' AC

Pavement: Width and Type
- 10' AC | 20' AC

Shoulder: Width and Type
- 0 | 10' Grass | 0.86 | 3' AC | 0.89 | 10' AC

Median: Width and Type
- 50' Raised Grass | 0.10

Shoulder: Width and Type
- 0

Pavement: Width and Type
- 10' AC

Shoulder: Width and Type
- 0 | 0.05 | 10' Grass

Number of Traffic Lanes
- 2–10'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
- 0.02 | 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
- 0.57 | Metal Rails on Metal Posts | 0.94

Illumination: Type, Location and Number
- 0.66 | 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:
- Small Urban

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

Speed: 1–Design, 2–Posted
- Not Posted | 0.11 | 35 MPH (2) | 0.28 | 25 MPH (2) | 0.66 | 25 MPH (2) | 0.75 | Not Posted

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)
- B71 1970 00000 | B71 1970 00058

HPMS Sections – AADT 2009
- 1,291 | 399

HPMS Sections – AADT 2008
- 1,288 | 0.58 | 398

HPMS Sections – AADT 2007
- 1,315 | 406

DOD Sections
- 0.63

Census Tracts

Functional Classification
- Principal Arterial (3)

National Highway System (NHS)
- Not On NHS (0)

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 20" = 1 mile

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

Date Released
MAR. 05, D.B.

Revised	
May 06	*G.N.*
9/10	*G.N.*
2/11	*D.B.*

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: 6.87 miles

a. Survey Length: 6.87 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Maintenance Control Sections : Length and Description

0.00 Begin 2000E @ ℄ of Kanoelehua Ave. — 2000 E (1.62 MI.) — 2.18 End 2000E @ ℄ of Komohana 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)
Residential Area (2.23)

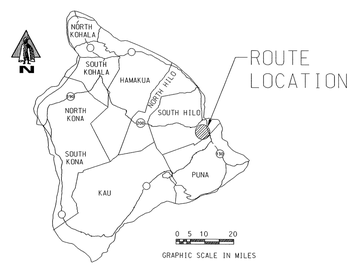
Right of Way Fence: Type – Right and Left
Rock Walls & Chain Link 0.29–0.35; Chain Link 0.47–0.53; Chain Link 0.73–0.86; Rock Walls & Chain Link 0.86–0.97; Rock Walls & Chain Link 1.29–1.77; Various 2.04–2.07

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C)
State (2.23) | County

Project No., Type of Construction, and Year Constructed
(2000E-01-00, Imprvts, 2004) 0.45–0.82

Project No., Type of Construction, and Year Constructed
(200E-01-7M, (R) 1977) 0.37–0.72; 200E-01-90M (R), 1991 (2.18–2.23); County Project STP-2000(4), New Construction 2004



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

BEGIN ROUTE 2000 ON PUAINAKO STREET AT THE WEST EDGE OF PAVEMENT OF RAILROAD AVENUE. 0.00 mi.

Ohuohu St. 0.28 mi. | Shopping Center (R) 0.38 mi. | Shopping Center (L) 0.49 mi. | Puainako Street Divided Begin Divided 0.56 mi. | Keleka St. End Divided Begin Divided 0.58 mi. | End Divided Hwy 0.72 mi. | Kilauea Ave & 0.69 mi. | Kinoole St. 0.83 mi. | Makai St. 0.93 mi. | Lokahi St. (R) 1.00 mi. | Santos Ln. (L) 1.03 mi. | Pamala Pl. 1.10 mi. | Kenauleni St. 1.15 mi. | Nohea St. 1.16 mi. | Roads to Inter. Sch. 1.21 mi. | Naniakea Street 1.24 mi. | Roads to Inter. Sch. 1.31 mi. | Amela St. 1.34 mi. | Kaneleni St. 1.40 mi. | Iwalani St. (L) 1.50 mi. | Kawili St. (R) 1.55 mi. | Pohakulani St. 1.58 mi. | Kuhilani St. 1.68 mi. | Wainohia St. 1.75 mi. | Kapuaiani St. 1.85 mi. | Melani St. 1.96 mi. | Puainako St. Extension (Barricaded) 2.05 mi. | Komohana St. 2.18 mi. | 2.23 mi.

PUAINAKO ST. — KOMOHANA ST. — PUAINAKO STREET EXTENSION

MP 1

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.

3.12 mi. | 4.33 mi. | 4.60 mi.

CONTINUED ON SHEET 2.
5.00 mi.

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Divided Highway — Undivided

Shoulder: Width and Type
0 | 6'–8' AC (11' AC), (12' AC) | 2'–4' AC | 9' AC

Pavement: Width and Type
28' AC 0.18–0.38 | 12' AC | 36' AC | 50' AC | 24' AC 0.82–2.23 | 26' AC | 24' AC

Shoulder: Width and Type
0 | 4'–8' AC (11' Raised Conc.) | 0 | 8' AC | 0 | 0 | 9' AC

Median: Width and Type
42' Raised Grass | 12' Painted AC | (5' Painted AC) 0.25–0.42 | 0.48–0.58 | 0.58–0.69 | (26' Raised Grass) | (12'–26' Painted AC)

Median Barriers:

Shoulder: Width and Type
0 | 0 | 0 | (26' AC)

Pavement: Width and Type
28' AC 0.18–0.38 | 12' AC | 26' AC 0.69–0.72

Shoulder: Width and Type
0 | (8' AC) (1–11') | 8' AC 0.72–0.82

Number of Traffic Lanes
4–14' 0.18–0.38 | 2–12' | 1–12' 2–12' 2–13' 0.69–0.82 | 2–12' | 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. 0.56–0.71 | 3.5' AC S.W.

Curb and/or Gutter: Type (Right and Left)
10' Conc. S.W. Conc. Curb | 6' Conc. S.W. Conc. Curb | Conc. Curb | Bituminous Curb 2.18–2.30

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number
7 Sodium Vapor 0.57–0.97 | 8 M.V., 5 Incandescent 2.03

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
Small Urban

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

Speed: 1–Design, 2–Posted
30 MPH (2) 0.23–0.56 | 35 MPH (2) 30 MPH (2) | 35 MPH (2) 2.30 | 45 MPH (1)

Intersection Control Devices: Type, Location and Cycle Timing
(B71 2000 00049) 0.56 | 4 Phase | (B71 2000 00058) 0.69 | 2 Phase 1.68

Traffic Stations (Current Year)
B71 2000 00000 | B71 2000 00018 | B71 2000 00069 | B71 2000 00100 | (B71 2000 00218) | B71 2000 00223

HPMS Sections – AADT 2009
8,227 | 8,227 | 8,227 | 18,236 | 10,112 | 8,129 | (103) | 103

HPMS Sections – AADT 2008
8,211 0.18–0.49 | 8,211 | 8,211 | 18,200 0.69–2.23 | 10,092 | 8,113 | (103) | 103

HPMS Sections – AADT 2007
8,385 | 8,385 | 18,585 | 10,305 | 8,285 | 105
0.28 | 0.56–0.58 | 0.72 | 1.00 | 2.18

DOD Sections

Census Tracts

Functional Classification
Major Collector (5)

National Highway System (NHS)
Not On NHS (0)

Previous Projects: Project No., Date and Limits
200E-01-77M, (R) 1977 (2.18)
(S-18(1) 1948, 49) | 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.*
Sept 10	*D.B.*
Feb. 11	*D.B.*

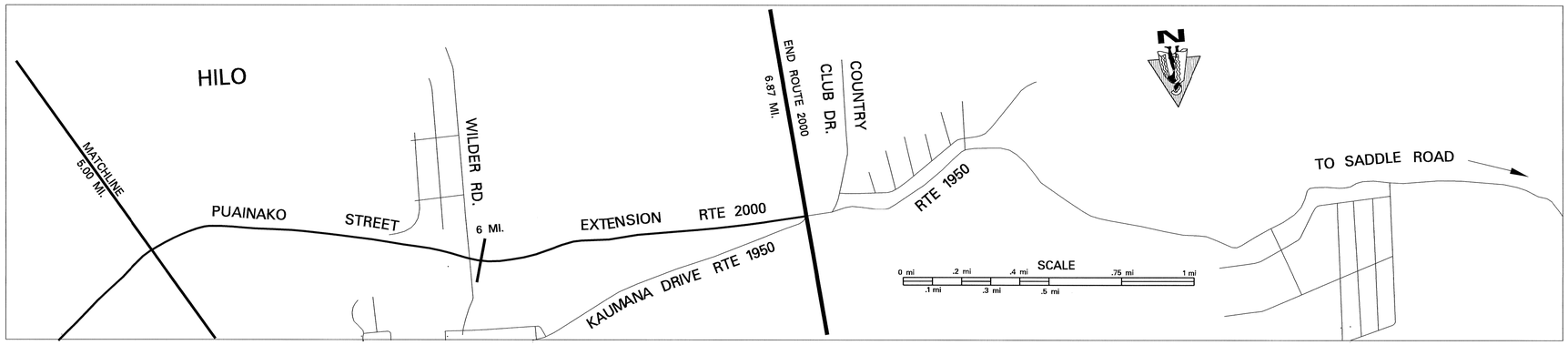
ROAD INVENTORY
HAWAII RTE 2000
PUAINAKO STREET EXTENSION

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: 6.87 miles
a. Survey Length: 6.87 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

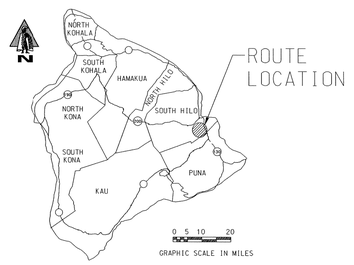
*



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

5.00 mi. CONTINUED FROM SHEET 1.

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 EAST EDGE OF PAVEMENT WITH KAUMANA DRIVE. 6.87 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) | 0
	Shoulder: Width and Type	9' AC	
Divided Highway	Median: Width and Type		(12' Painted AC) | 6.80
	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)		6.95 / 5.98 / 5.91	
(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:		Small Urban	
Terrain: 1–Flat, 2–Rolling, 3–Mountainous		Rolling	
Speed: 1–Design, 2–Posted		45 MPH (1) | 5.89	35 MPH (1)
Intersection Control Devices: Type, Location and Cycle Timing			
Traffic Stations (Current Year)		B71 2000 00223	
HPMS Sections – AADT 2009		103	
HPMS Sections – AADT 2008		103	
HPMS Sections – AADT 2007		105	
DOD Sections			
Census Tracts			
Functional Classification		Major Collector (5)	
National Highway System (NHS)		Not On NHS (0)	
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.
Sept 10	D.B.
Feb. 11	D.B.