STATE ROUTE SYSTEM

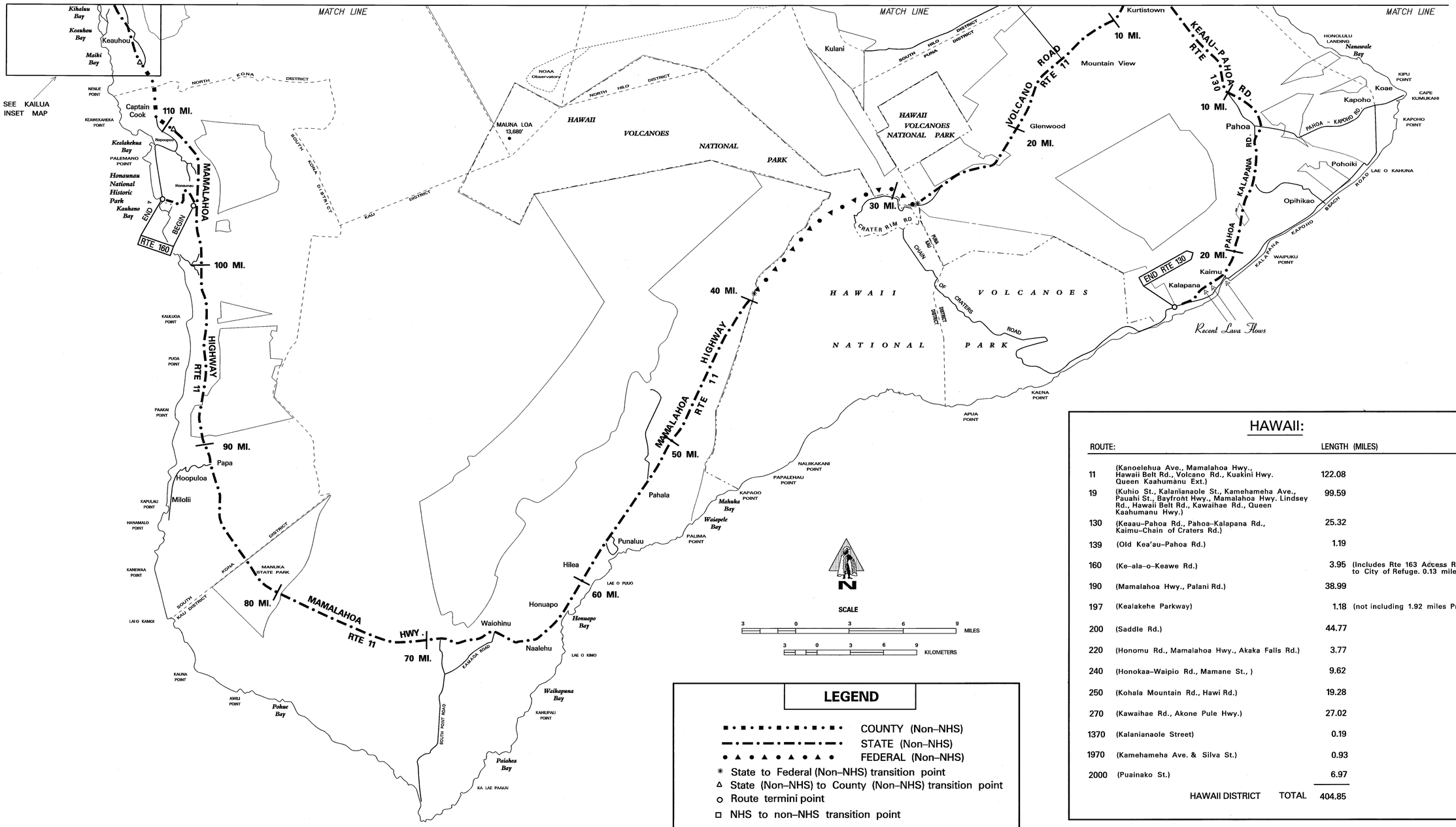
COUNTY OF HAWAII

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 2008



LEGEND

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

HAWAII:

ROUTE:		LENGTH (MILES)	
11	(Kanoelehua Ave., Mamalahoa Hwy., Hawaii Belt Rd., Volcano Rd., Kuakini Hwy. Queen Kaahumanu Ext.)	122.08	
19	(Kuhio St., Kalanianaole St., Kamehameha Ave., Pauahi St., Bayfront Hwy., Mamalahoa Hwy. Lindsey Rd., Hawaii Belt Rd., Kawaihae Rd., Queen Kaahumanu Hwy.)	99.59	
130	(Keaau–Pahoa Rd., Pahoa–Kalapana Rd., Kaimu–Chain of Craters Rd.)	25.32	
139	(Old Kea'au–Pahoa Rd.)	1.19	
160	(Ke–ala–o–Keawe Rd.)	3.95	(Includes Rte 163 Access Road to City of Refuge. 0.13 miles)
190	(Mamalahoa Hwy., Palani Rd.)	38.99	
197	(Kealakehe Parkway)	1.18	(not including 1.92 miles Proposed)
200	(Saddle Rd.)	44.77	
220	(Honomu Rd., Mamalahoa Hwy., Akaka Falls Rd.)	3.77	
240	(Honokaa–Waipio Rd., Mamane St.,)	9.62	
250	(Kohala Mountain Rd., Hawi Rd.)	19.28	
270	(Kawaihae Rd., Akone Pule Hwy.)	27.02	
1370	(Kalanianaole Street)	0.19	
1970	(Kamehameha Ave. & Silva St.)	0.93	
2000	(Puainako St.)	6.97	
	HAWAII DISTRICT TOTAL	404.85	

Date Released	
Dec 2002	JK
Revised	
Feb 03	D.B.
May 04	D.B.
Jun. 07	D.B.
Feb 08	D.B.
April 09	D.B.

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

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STATE ROUTE SYSTEM

COUNTY OF HAWAII

ISLAND OF HAWAII

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

DECEMBER 2008

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

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

N

PACIFIC OCEAN

Umiwai Bay · Holana Bay · Kookea Bay · Mahukona Harbor LAPAKAHI STATE PARK · Keawewula Bay · Waiakailio Bay · Kawaihae · Hapuna Bay · Puako Bay · Hapuna Beach State Park · Makaiwa Bay · Honokaope Bay · Anaehoomalu Bay · Waikoloa · Keawaiki Bay · Kiholo Bay · Kahoiawa Bay · Mahaiula Bay · Makolea Point · Keahole Point · Keahole Airport · Honokohau Bay · Kailua · Kailua Bay · Kamoa Point · Waimanu Bay · Waipio Bay · Kukuihaele · Honokaa · Paauhau · Paauilo · Ookala · Laupahoehoe · Nahiwa Point · Laupahoehoe Point · Maulua Bay · Pelekuli Point · Lehuawehi Point · Pepeekeo · Pepeekeo Point · Onomea · Onomea Bay · Hokeo Point · Papaikou · Mokihana Bay · Puhi Bay · Hilo Bay · Leleiwi Point · Hilo · General Lyman Field · Kings Landing · Kaloli Point · Keaau · Hakalau · Kaiwi Point · Kumukehu Point · Upolu Point · Alanahhi Point · Upolu Airport · Kaukola Point · Hikapoloa · Hawi · Honomakau · Halaula · Akoakoa Point · Niulii · Pololu Valley · Haena Point · Mahukona · Malae Point · Waikii · Waimea · Waimea Kohala Airport · Wailulalua Point · Kawaihae Airport · Mauna Kea 13,796 · Kukuihaele · Kamakamaka Point · Manbiki Point

Hawi · Mahukona · Kawaihae · Waimea · Waikoloa · Waikii · Honokaa · Paauhau · Paauilo · Ookala · Laupahoehoe · Pepeekeo · Onomea · Papaikou · Hilo · Keaau

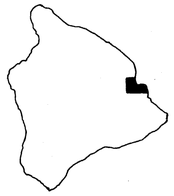
RTE 250 · END RTE 250 · 20 MI. · RTE 270 · END RTE 270 · KOHALA MOUNTAIN ROAD RTE 250 · 10 MI. · AKONI PULE HIGHWAY · BEG RTE 270 · BEG RTE 250 · KAWAIHAE ROAD · 60 MI. · PROPOSED ROAD ROUTE 19 · BEG RTE 190 · WAIMEA KOHALA AIRPORT · 70 MI. · HIGHWAY · MAMALAHOA HWY 190 · END RTE 200 · SADDLE RTE 200 ROAD · 40 MI. · 10 MI. · QUEEN KAAHUMANU HWY 19 · 80 MI. · 90 MI. · 20 MI. · HAWAII BELT ROAD RTE 190 · 30 MI. · SADDLE ROAD 200 · PROPOSED ROUTE · KAAHUMANU HWY 19 · KUMUKEHU POINT · MAKOLEA POINT · KEAHOLE POINT · KEAHOLE AIRPORT · WAWAHWAA POINT · NOIO POINT · KEAHOLU POINT · KAMOA POINT · RTE 197 · RTE 190 · PAUAHI RTE 190 · OLD MAMALAHOA HIGHWAY · RTE 11 · 120 MI. · MATCH LINE · MAUNA KEA 13,796 · MANAGEMENT AREA · GAME · FOREST · Pohakuloa Military Training Area · AND · GAME · OLD RTE 200 · SADDLE ROAD RTE 200 · 20 MI. · 10 MI. · RTE 220 BEGIN · RTE 220 END · 37 mm · BEG RTE 200 · RTE 200 · BEG RTE 130 · BEG RTE 139 · SEE HILO URBAN AREA MAP ON NEXT SHEET

RTE 197 · RTE 190 · END RTE 190 · QUEEN KAAHUMANU HWY 19 · RTE 11 · END RTE 19 · END RTE 11 · KEAHUOLU POINT · KAILUA · OLD MAMALAHOA HIGHWAY · HULIHEE PALACE · KUAKINI HIGHWAY · HULIHEE PALACE ROAD · ALII DR · HUKILAU RD · KAILUA BAY · KAMOA POINT · KEAUHOU · KEAHOU BAY · MAIHI BAY · RTE 11

KAILUA INSET
SCALE 1 0 1 MILES
SEE KAILUA INSET MAP

Date Released
Dec 2002, JK
Revised
Feb 03 — D.B.
May 04 — D.B.
Mar. 08 — D.B.
Feb. 09 — D.B.

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 2008

HILO URBAN AREA

P A C I F I C

O C E A N

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

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

Wainaku
Puueo
Hilo Bay
Hilo Harbor
Puhi Bay
Piihonua
Keaukaha
Kaumana
GENERAL LYMAN FIELD
Keaukaha Military Reservation
Panaewa Forest Reserve
Panaewa Zoo and Equestrian Center
Hilo Municipal Golf Course

SADDLE ROAD RTE 200
BEG RTE 200
ROUTE 200 PROPOSED SADDLE ROAD
PUAINAKO STREET EXTENSION
5 MI.
END RTE 2000
ROUTE 2000
BEG ROUTE 2000
PUAINAKO ST.
HILO BAYFRONT HIGHWAY
BEG RTE 19
BEG RTE 11
RTE 1370
RTE 1970
KAUMANA DR.
WAIANUENUE AVE.
PONAHAWAI ST.
MOHOULI ST.
KEKUANAOA ST.
KAWILI ST.
KOMOHANA ST.
KAWAILANI STREET
HAIHAI ST.
AINAOLA DR.
KAPULAU ST.
IVALANI ST.
KILAUEA AVE.
KANOELEHUA AVENUE
STAINBACK HIGHWAY
VOLCANO ROAD RTE 11
5 MI.
COUNTRY CLUB DRIVE
KANOELEHUA SHOPPING CENTER
PRINCE KUHIO PLAZA Shopping Center
Waiakea High School
Waiakea Elem. - Inter.
Kaumana Elementary School
Kaumana Cave
Hilo Hospital
Rainbow Falls
Wailuku River State Park
Boiling Pots
Earnest B. Silva Elementary
Corvalho Park
Akiona Park
Coconut Island Park
Banyan Golf Course
Haoloa Park
James Kealoha Beach Park
Leleiwi Beach Park
University of Hawaii (Hilo)
HCC
Hawaii Belt Road RTE 19
Waiakea Stream
Waiakea River
Waiakea River
Waiakea Stream
Waiakea Stream
Waiakea Stream
Waiakea Stream

N

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

LEGEND

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

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

3

ROAD INVENTORY

HAWAII RTE. 11
VOLCANO ROAD – KANOELEHUA AVE.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
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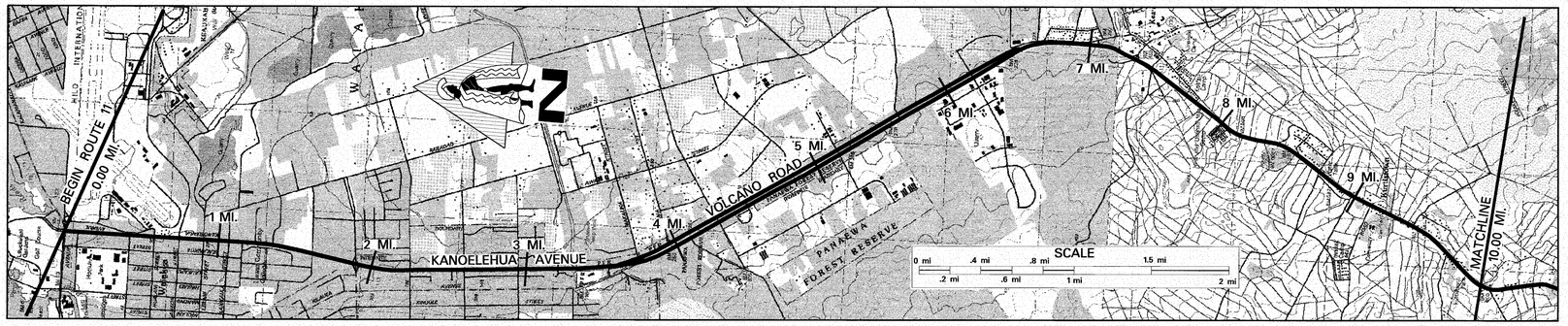
FEDERAL HIGHWAY ADMINISTRATION

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 (1.08) | 11N (6.24 MI) | END 11M – BEGIN 11N ON MAMALAHOA HWY. 100' SOUTH OF CENTERLINE WITH KEAAU-PAHOA ROAD. (7.32) | 11M (9.12 MI.)

Structure Carrying Road

- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: TEE BEAM 1950 HS-20, 108' | CONCRETE FRAME 1996 HS-20-44, 18'
- Vertical Clearance: 28' | 92'
- Horizontal Clearance

Structure Proj. No.

- Vertical Clearance
- Horizontal Clearance

- Right of Way Width (min.–max.) if varies: 125' (1.41) | 125' – 150' (2.15) | 125' (3.24) | 125' – 185' (7.46) | 80'
- Available Right of Way Width (Needs Study): (6' CHAINLINK 15'–25' FROM PAV'T) (0.44) | COMMERCIAL (0.84) | RESIDENTIAL AREA (1.89) | TREES, BRUSH (3.28) | RESIDENTIAL AREA, TREES (6.56) | CHAINLINK 8' FROM PAV'T (7.31) (7.52)
- Right of Way Fence: Type – Right and Left: PARTIAL (5.48) | NONE
- Control of Access: 1–None, 2–Partial, 3–Full: C to S Phase I (0.88) | STATE | (STP-011-2(29), RESURFACE, 1996) (8.88)
- Jurisdiction, Transfer Phase No. and Date (C to S or S to C): (HES-STP-011-2(20) 1999 IMPROVEMENTS) (0.76) (0.70)
- Project No., Type of Construction, and Year Constructed: (2000E-01-00, IMPRV., 2004) (1.89) | NH–011–2(33) 1999 RESURFACE (3.30) | F–011–2(17) WIDENING (8.30) | 11MN–01–93M RESURFACE (8.60) | 1993 | 2005
- Project No., Type of Construction, and Year Constructed: NH–011–2(24) 1999 WIDENING (1.77) | 11NP–01–80M 1980 RESURFACE (2.85) | 11N–01–91M 1992 RESURFACE 8 LANES (5.40) | 1987

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)

0.00 MI.

KUAWA ST. (0.01 MI.) | PIILANI ST. (0.09 MI.) | HUALANI ST. (0.42 MI.) | AIRPORT RD. (0.58 MI.) | LEILANI ST. (0.74 MI.) | E. LANIKAULA ST. (0.90 MI.) | KAWILI ST. (0.98 MI.) | POHAKU ST. (1.06 MI.) | HALEKAUILA ST. (1.15 MI.) | MAKAALA ST. (1.34 MI.) | PUAINAKO ST. (RTE 2000) (1.61 MI.) | PAVED ROAD (1.90 MI.) | E. KAHAOPEA RD. (2.05 MI.) | AHONA PL. (2.25 MI.) | KAWALANI ST. (2.53 MI.) | E. PALAI ST. (2.60 MI.) | PANAEWA BR. (2.96 MI.) | WAIAKULUHEA ST. (L) (3.00 MI.) | KILAUEA AVE. (ACCESS) (3.21 MI.) | MAKALIKA ST. (3.54 MI.) | KILAUEA AVE. (3.73 MI.) | LAMA ST. (3.77 MI.) | E. MAMAKI ST. BEGIN MEASURED MILE (3.96 MI.) | STAINBACK HWY. (4.01 MI.) | COUNTY DETENTION CTR. (4.11 MI.) | E. MAMAKI ST. (4.31 MI.) | KAIKA ST. END MEASURED MILE (4.52 MI.) | PUNA–SOUTH HILO DIST. BDRY. SIGN (5.01 MI.) | MACADAMIA DR. (5.16 MI.) | E. KIPIMANA ST. (5.50 MI.) | KEAAU–PAHOA RD (RTE 130) (5.65 MI.) | ACC. FROM MAMALAHOA HWY. (6.01 MI.) | OLD KEAAU–PAHOA ROAD U.P. (6.66 MI.) | OLD VOLCANO RD. (6.82 MI.) | PAVED ROAD (6.84 MI.) | PAVED ROAD (7.00 MI.) | PAVED ROAD (7.15 MI.) | PA'AHANA ST. (7.19 MI.) | PAVED ROAD (7.30 MI.) | AKAKAI ROAD END DIVIDED (7.78 MI.) | BEGIN DIVIDED PUKO ROAD (8.00 MI.) | BEGIN DIVIDED MEAULU ST. (8.03 MI.) | END DIVIDED (8.29 MI.) | KUAAINA ROAD END DIVIDED (8.54 MI.) | PAVED ROAD SOUTH ROAD (8.59 MI.) | PAVED ROAD (8.74 MI.) | BEGIN DIVIDED OLA'A ROAD (8.88 MI.) | ACCESS ROAD (9.00 MI.) | HUINA ROAD (9.12 MI.) | END DIVIDED (9.27 MI.) | (9.41 MI.) | (9.50 MI.) | (9.61 MI.) | (9.72 MI.) | (9.83 MI.)

KANOELEHUA AVE. (0 MP – 2 MP) | VOLCANO ROAD (2 MP – 7 MP)

CONTINUES ON SHEET #2 — 10.00 MI.

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' (1.32) | 9'–11' AC BIKELANE/SHOULDER (6.70) | 9'–11' AC
- Pavement: Width and Type: 12' AC (0.11) | 24' AC (5.90) | 36' AC (6.60) | 24' AC (7.27) | 12' AC (8.03) | 0' (8.49) | 24' AC (8.74) | 12' AC (9.01) | 0' (9.50) | 24' AC (9.83)
- Shoulder: Width and Type: 2'–4' AC (2.65) | 0'–2' AC (5.87) | 2'–4' AC (6.59) | 0'–2' AC (7.37) | 2'–4' AC (8.03) | 0' (8.49) | 8'–10' AC (8.74) | 0' (9.01) | 8'–10' AC (9.50) | 0' (9.83) | 8'–10' AC
- Median: Width and Type: GRASS MEDIAN varies to 26' | 36'–60' TREES AND BUSHES | 0'–20' AC | 18' GRS. | 6'–18' AC | 6' AC RAISED MED. | 18' GRASS | 0'–18' PAINT | 0'–6' PAINT | 0'–10' PAINT
- Median Barriers: (M/M GUARDRAIL)
- Shoulder: Width and Type: 33' AC (2.08) | 24' AC (3.83) | 0'–2' AC (5.87) | 12' AC (7.82) | 12' AC (8.49) | 0' (8.74) | 0' (9.01) | 12' AC (9.50) | 12' AC (9.83)
- Pavement: Width and Type
- Shoulder: Width and Type (COMBINATION BIKELANE & SHOULDER FROM 0.00 MI.– 2.60 MI.): 4' AC BIKE LANE (2.28) | 8'–10' B.L./SHLDR. (2.60) | 8'–10' AC (3.77) | 6'–8' AC (5.37) | 10'–12' AC (7.27) | 8'–10' AC (8.49) | 8'–10' AC (9.01) | 10' AC (9.83)

- Number of Traffic Lanes: 1 – 12' (0.11) | 2 – 12' | 3 – 11' | 4 – 12' | 3 – 12' | 2 – 12' | 1 – 12' (9.50) | 2 – 12' (9.83)
- Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): ALL T. L. 12'
  (Right Side): ALL T. L. 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): 5' CONCRETE SIDEWALK | CURB & GUTTER | CURB | GUTTER | 2.5' 2 DOWNGRADE CURB AND GUTTER | 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:
- Terrain: 1–Flat, 2–Rolling, 3–Mountainous: FLAT (1.18) | SMALL URBAN (2) (3.78) | ROLLING (5.87) | RURAL (1) (7.98)
- Speed: 1–Design, 2–Posted: 35 MPH (2) | 45 MPH (2) | 55 MPH (2) | 45 MPH (2) | 55 MPH (2), MIN. 40 MPH | 45 MPH (2) | 35 MPH (2) | 45 MPH (2), MIN 30 MPH | 45 MPH (2) | 45 MPH (2), MIN 30 MPH
- Intersection Control Devices: Type, Location and Cycle Timing: ALL 4 PHASE UNLESS NOTED (0.74) (0.80) (1.58) (1.67) (1.90) (2.25) (2.88) (3.27) (3.44) (7.11) (7.49) (9.14)
- Traffic Stations (Current Year): B71 0011 00000 (0.36) | B71 0011 00058 (1.75) | B71 0011 00225 (2.69) | B71 0011 00295 | B71 0011 00321 (3.47) | B71 0011 00379 (5.01) | B71 0011 00565 | B71 0011 00619 (6.84) | B71 0011 00730 (7.60) | B71 0011 00779 (8.00) | B71 0011 00829 (9.15) | B71 0011 00970
- HPMS Sections – AADT 2007: 24,240 | 34,040 | 33,230 | 33,230 | 39,695 | 25,455 | 14,950 | 14,950 | 14,950 | 12,325
- HPMS Sections – AADT 2006: 24,000 | 33,700 | 32,900 | 32,900 | 39,300 | 25,200 | 14,800 | 14,800 | 14,800 | 12,200
- HPMS Sections – AADT 2005: 23,750 | 33,370 | 32,580 | 32,580 | 38,940 | 24,960 | 14,700 | 14,700 | 14,700 | 12,120
- DOD Sections
- Census Tracts
- Functional Classification: PRINCIPAL ARTERIAL (14) (5.65) | PRINCIPAL ARTERIAL (2) (7.30) | MINOR ARTERIAL (6)
- National Highway System (NHS): ON NHS (1) | NOT ON NHS (0)
- Previous Projects: Project No., Date and Limits: NH–011–2(24) 1999 WIDENING (1.89) | NH–011–2(33), RESURFACE 1999 (2.55) | 11NP–01–80M 1980 RESURFACE (3.80) | 11MN–01–77M 1977 RESURFACE (5.68) | F–04–2(9) INBOUND 1962 (7.33) | 11MN–01–81M 1981 RESURFACE (9.58) | F–2(4) WDR 11(2), 1950 | (11M–01–82M (R) 1982) (9.88) | F–011–2(9) INBOUND 1961 (6.46) | 11M–01–71 1971 | F–011 OUTBOUND (7.10) | F–011–2(2) 1960 (8.06) | F–RF–011–2(13) 1977 (3.63) | 11P–01–70 1971 (2.55) | F–2(3) 1949 (3.74) | F–2(4) 1948 (0.01)

SCALE: (In Miles) 2" = 1 mile

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

ROAD INVENTORY

OAHU RTE 11
VOLCANO ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

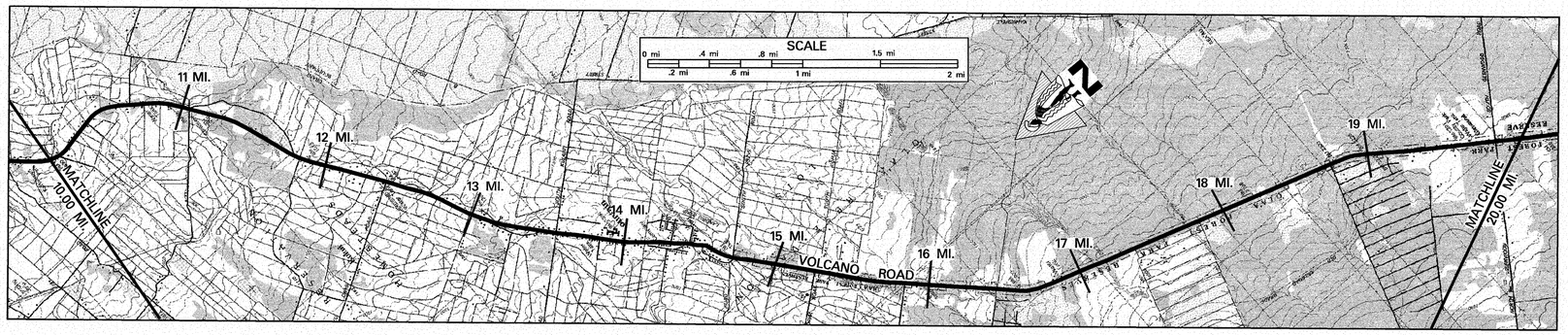
Total Route Length: 122.09 miles

a. Survey Length: 122.09 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*


SCALE
0 mi .4 mi .8 mi 1.5 mi
.2 mi .6 mi 1 mi 2 mi
11 MI.
12 MI.
13 MI.
14 MI.
15 MI.
16 MI.
17 MI.
18 MI.
19 MI.
20.00 MI.
10.00 MI.
MATCHLINE
MATCHLINE
VOLCANO ROAD
HOLUALOA GULCH
KAPAKAHI GULCH
KAMANU GULCH
KAUMANU GULCH
KAUMANU GULCH
KAU

ROAD INVENTORY

HAWAII RTE 11
VOLCANO RD., MAMALAHOA HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
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FEDERAL HIGHWAY ADMINISTRATION

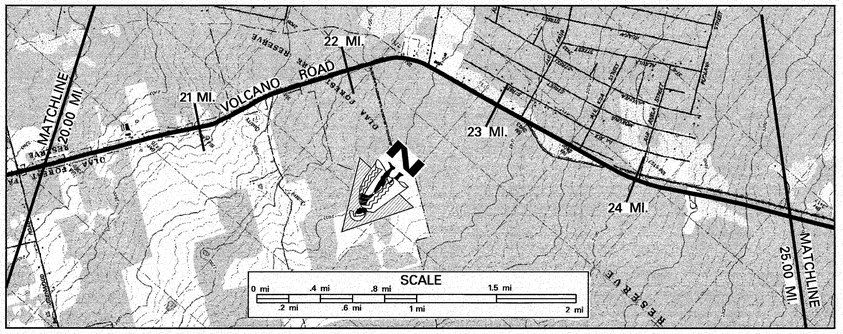
Total Route Length: 122.09 miles

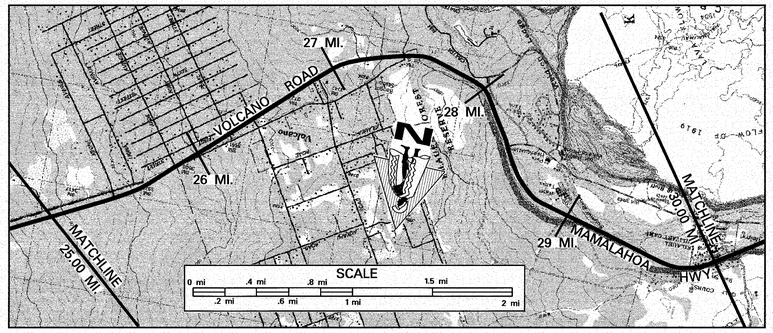
a. Survey Length: 122.09 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*





SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

Structure Carrying Road

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

Structure Over Road

- Vertical Clearance
- Horizontal Clearance

- Right of Way Width (min.–max.) if varies: 90'–110' (20.00) | 80' (23.74) | 50' (26.63) | 80'
- Available Right of Way Width (Needs Study): LARGE TREES & BRUSH
- Right of Way Fence: Type – Right and Left
- Control of Access: 1–None, 2–Partial, 3–Full: NONE
- Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE | 27.56 FEDERAL (STATE MAINTAINED)
- Project No., Type of Construction, and Year Constructed: (S-0144 (1), 1958) 11L–01–91M, (R), 1993 (21.26–21.27) | 11L–01–92, (R), 1993 | (F-011-2(11), 1974) (23.58–23.59) STP–011–2(26), RESURFACE, 1996 | 28.16 11HKL–01–97M, 1998, (R) | 28.16 11JK–01–90, (R), 1991
- Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #2 — 20.00 MI.

CULVERT (20.02 MI.) · CULVERT (20.54 MI.) · PAVED RD. (20.70 MI.) · KAHAUALE'A ROAD (NEW HOPE) (21.01 MI.) · ALII KANE ST. (21.52 MI.) · ALII KOA ST. SPEED STATION (LOOP) (22.02 MI.) · CONNECTOR TO VOLCANO RD. (22.38 MI.) · ALI'I ANELA ST. (22.54 MI.) · ROAD TO VOLCANO SOLID WASTE DUMP (23.03 MI.) · NAHELENANI ST. (23.20 MI.) · JADE AVE (23.61 MI.) · PEARL AVE (23.82 MI.) · LANIHUULI RD. (24.03 MI.) · HAUNANI RD. HALE OHIA RD. (24.37 MI.) · DISTRICT OF KAU (R) DISTRICT OF PUNA (L) (25.04 MI.) · HAWAII VOLCANOES NATIONAL PARK BDRY. OLD VOLCANO RD. (25.43 MI.) · BEGIN DIV. HWY (25.86 MI.) · END DIV. HWY VOLCANO NAT'L PARK RD. (26.04 MI.) · ROAD (L) (26.26 MI.) · BEGIN FAULT ZONE (26.43 MI.)

VOLCANO ROAD — MAMALAHOA HIGHWAY

CONTINUED ON SHEET #4. — 30 MI.

- Divided Highway — Undivided — Shoulder: Width and Type: 7'–9' AC | 4'–6' AC (27.59) | 2'–4' AC (26.07)
- Pavement: Width and Type: 24' AC | 12' AC | 24' AC
- Shoulder: Width and Type: 8'–10' AC | 2'–4' AC (27.57) | 0 | 2'–4' AC (28.71)
- Median: Width and Type: 12' PAINTED MEDIAN (28.26–28.60)
- Median Barriers:
- Divided Highway — Divided — 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 (18') | 28.44–28.56 (12')
- (Right Side): 28.32–28.56 (12' | 4' | 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: 28.39 M/M — METAL RAILS ON CONCRETE POSTS (29.36–29.39); 28.26 M/M (28.26–28.46); 28.46 M/M (28.46–28.57)
- Illumination: Type, Location and Number: LOW PRESSURE SODIUM (22.02–22.38) | LOW PRESSURE SODIUM (23.18–23.52) | LOW PRESSURE SODIUM (24.83–28.40) | 2 LOW PRESSURE SODIUM (28.40–28.57)
- 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 (1)
- Terrain: 1–Flat, 2–Rolling, 3–Mountainous: ROLLING | FLAT (23.69–26.81) | 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 01472 (26.04) | B71 0011 02642 (28.25) | B71 0011 02842
- HPMS Sections – AADT 2007: 5,960 | 3,535 | 2,630
- HPMS Sections – AADT 2006: 5,900 | 3,500 | 2,600
- HPMS Sections – AADT 2005: 5,890 | 3,500 | 2,600
- DOD Sections
- Census Tracts: CT 210 (27.56) | CT 212
- Functional Classification: MINOR ARTERIAL (6)
- 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); 11L–01–76M, (R), 1977; S-0144(1), 1956 (23.53–23.58); STA. 313+70.08 \ STA. 213+03.49
  - F-011-2(11), 1974; F-011-2(11), 1973
  - (11JK-01-84M, 1985, RESURFACE) (FLH-011-2(18), (INT. IMPRV.), 1987)– 28.18 (28.67–29.27, 29.36–29.96); 11KL-01-78M & PMS-0100(1) UNIT 1, RESURFACE, 1978 (27.51–27.53); S-0144(2), 1961 (28.06–28.56); NPH-3A, 1962; NPH-5A (28.56–29.98); (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.

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

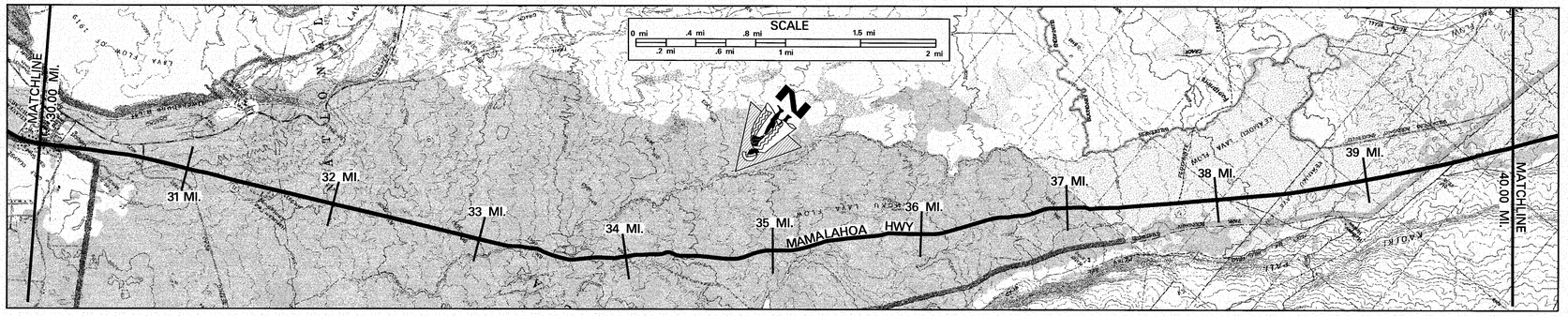
Total Route Length: 122.09 miles

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.) | 11J (8.45 MI.) | 11 H (11.86 MI.)

END 11J BEGIN 11K ON MAMALAHOA HWY 1674' SOUTH OF CENTERLINE CRATER RIM RD./ BIRD PARK RD. AT THE CONTOL SECTION MARKER (30.58)

END 11H – BEGIN 11J ON MAMALAHOA HWY 63' SOUTH OF HAWAII NATIONAL PARK BDRY. AT THE CONTROL SECTION MARKER (39.48)

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' (39.14–39.34) | 80'

Available Right of Way Width (Needs Study)

LARGE TREES AND BRUSH (33.57) | BUSHES & TREES IN LAVA ROCK

Right of Way Fence: Type – Right and Left

(WIRE ON WOOD 15' FROM PAVEMENT L&R) (39.48)

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) | STATE (39.47)

Project No., Type of Construction, and Year Constructed

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

Project No., Type of Construction, and Year Constructed

11JK–01–90M, (R), 1991 (30.84) | FLH–011–2(27), RESURFACE, 1998 (33.35) | STP–011–2(28), RESURFACE, 1995 (37.07) | 11JK–01–90M, (R), 1991 (39.62) | (11H–01–80M, (R), 1980)

CONTINUED FROM SHEET #3

30.00 MI.

MAMALAHOA HIGHWAY

KILAUEA MIL. CAMP (30.05 MI.) | PI'I MAUNA DR. (30.15 MI.) | CRATER RIM RD. (30.74 MI.) | END FAULT ZONE (30.85 MI.) | NAMAKANI PAIO CAMPGROUND (31.44 MI.) | PAVED ROAD (34.03 MI.) | ECB TO FOOTPRINTS (KAU DESERT TRAIL HEAD) (37.77 MI.) | PAVED RD. (38.01 MI.) | HAWAII VOLCANOES NAT'L PARK BDRY. (39.47 MI.) | PAVED RD. (39.61 MI.)

CONTINUED ON SHEET #5

40.00 MI.

Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

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

Divided Highway – Undivided

Shoulder: Width and Type

2'–4' AC (30.58) | 6' AC | 2'–4' AC (37.11)

Pavement: Width and Type

24' AC (37.38) | 22' AC (39.50) | 24' AC

Shoulder: Width and Type

2'–4' AC (30.58) | 5'–7' AC | 3' AC (38.82) | 9'–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' (37.38) | 2–11' (39.50) | 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 31.28 31.30 31.69 31.79 31.92 32.01 32.02 32.12 32.22 32.41 32.48 32.61 32.69 32.78 32.86 32.88 32.96 33.06 33.10 33.19 33.25 33.28 33.55 33.57 34.38 34.50 34.55 34.57 34.60 34.82 34.84 35.11 35.12 35.22 38.27 38.76 38.93 38.97

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 (1)

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

ROLLING

Speed: 1–Design, 2–Posted

55 MPH (2), 40 MPH MIN. (30.71) | 45 MPH (2), 30 MPH MINIMUM | 55 MPH (2), 40 MPH MINIMUM (37.26)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

B71 0011 02842 (30.63) | B71 0011 03073 | B71 0011 03705

HPMS Sections AADT 2007

2,630 | 2,125

HPMS Sections AADT 2006

2,600 | 2,100

HPMS Sections AADT 2005

2,600 | 2,060

DOD Sections (30.73) (37.05)

Census Tracts

Functional Classification

MINOR ARTERIAL (6)

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

33.32 FLH–011–2(19), 1990 34.70 FLH–011–2(22), WIDENING, 1991 35.93 FLH–011–2(23) 1992 37.00 STP–011–2(28), RESURFACE, 1995 37.07

30.13–(11JK–01–84M, 1985, RESURFACE) 33.88–(11JK–01–84M, 1985, RESURFACE) 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 + 80 35.16 39.47 11H–01–80M, (R), 1980

NPH–3A, 1962 30.94 STA. 11 + 00 STA. 780 + 35.41 NP–3B, 1931 34.46 NP–3C, 1940 38.83 F–18(5), 1953

SCALE: (In Miles) 2" = 1 mile

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

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

ROAD INVENTORY
OAHU RTE 11
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

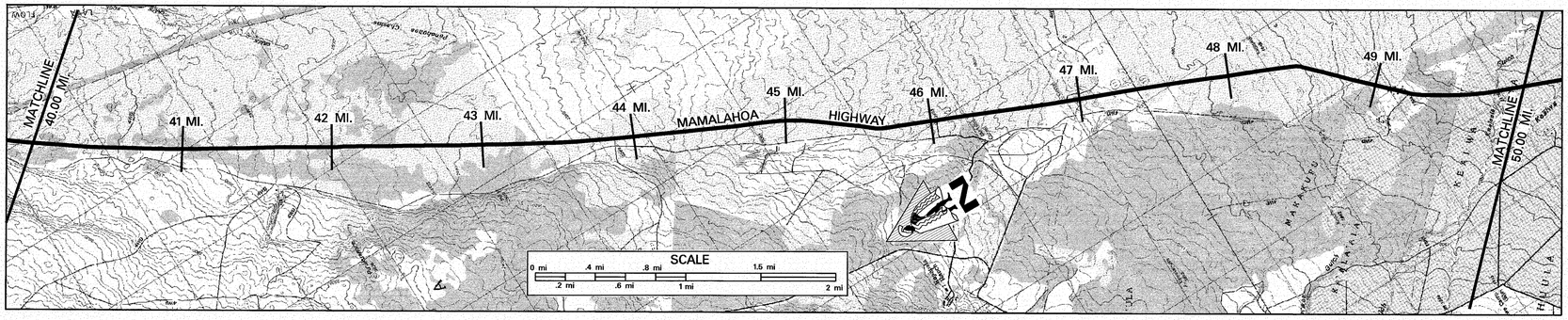
Total Route Length: 122.09 miles

a. Survey Length: 122.09 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

11 H (11.86 MI.)

Structure Carrying Road

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

CONC. BOX CULVERT
1997 HS–20–44

PRESTRESSED CONC. PLANK,
HL–93, 2006

160' (48.07) 73' (48.46) 145' (48.77)

Vertical Clearance

40' 34' 40'

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

80' (41.37) 80' (41.44) 80' (48.00) 60'

Available Right of Way Width (Needs Study)

BUSHES AND TREES IN LAVA ROCK

Right of Way Fence: Type – Right and Left

WIRE ON WOOD 15' FROM PAVEMENT (L) & (R) (48.70) (48.96)

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

NONE

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

STATE

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

183+00 (48.87) 200+00 (48.72) 193+97.81 (48.59) 200+98 (48.85)

Project No., Type of Construction, and Year Constructed

11H–01–80M, RESURFACE, 1980 (45.63)

11HKL–01–97M, RESURFACE, 1998

(11HKL–01–97M RESURFACE, 1998) (48.43)

(STP–011–2(25), IMPRV., 1997) (48.59)

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #4 — 40.00 MI.

MAMALAHOA HIGHWAY

PAVED RD. — 40.58 MI.

PAVED RD. — 41.00 MI.

SPEED STATION — 42.00 MI.

PAVED RD. — 42.77 MI.

KAPAPALA RANCH RD. — 42.99 MI.

CULVERT — 43.88 MI.

PAVED RD. — 44.98 MI.

CULVERT — 46.02 MI. 45.97 MI.

CULVERT — 46.81 MI.

CULVERT — 46.97 MI.

PAVED ROAD TO MAKAKUPU PLANTATION — 47.21 MI.

MAKAKUPU BRIDGE (193+53) — 47.48 MI.

SPEED MONITORING STA. — 47.69 MI.

PIKEA BR. — 47.96 MI.

CULVERT KAALAALA STR. BR. (196+76) — 48.96 MI.

CONTINUED ON SHEET #6 — 50.00 MI.

SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided

Shoulder: Width and Type — 8' AC (40.24) 3' AC / 3' GRAVEL (41.57) 6' AC (41.76) 7'–8' AC (41.94) 3' AC / 3' GRAVEL (43.60) 7' AC (44.78) 3' AC / 3' GRAVEL (45.54) 4'–6' AC (48.84) 3'–5' AC (49.03) 6'–8' AC (49.74) 6'–8' AC

Pavement: Width and Type — 24' AC (45.59) 22' AC

Shoulder: Width and Type — 8'–10' AC (40.94) 3' AC / 3' GRAVEL (43.00) 8' AC (43.89) 3' AC/2' GRAVEL (44.53) 7' AC (44.89) 3' AC / 3' GRAVEL (45.59) 4'–5' AC (48.87) 5'–7' AC (49.12) 5'–7' AC (49.40) 7'–9' AC (49.83) 5'–7' 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' (45.59) 2–11'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left) — AC GUTTER (48.95) (48.99) (49.20) (49.43) (49.78) (49.90) CONC. GUTTER

Protective Devices: Type, Location and Number — ALL METAL ON METAL (48.91) (49.15) (49.43) (49.46) (49.59) (49.76)

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year) — 42.77 B71 0011 03705 — B71 0011 04606

HPMS Sections – AADT 2007 — 2,125 — 2,125

HPMS Sections – AADT 2006 — 2,100 — 2,100

HPMS Sections – AADT 2005 — 2,060 — 2,060 (46.06)

DOD Sections

Census Tracts

Functional Classification — MINOR ARTERIAL (6)

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

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

SCALE: (In Miles) 2" = 1 mile

Date Released	
June 2005,	D.B.
Revised	
6/06	D.B.
1/07	D.B.

ROAD INVENTORY

HAWAII RTE 11
MAMALAHOA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

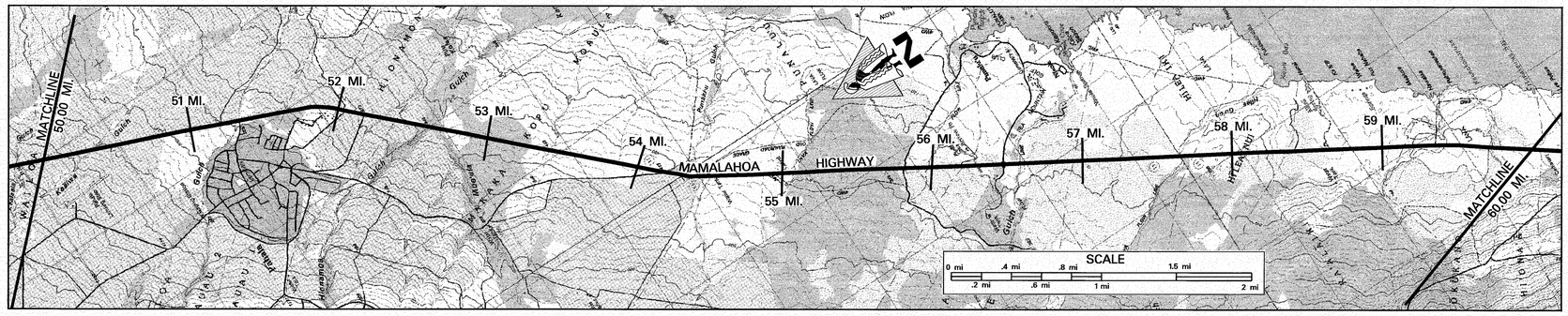
Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

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 51.54 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: 234' (50.36–51.32); 40'
PRE–STRESSED CONC. PLANKS 2003, HL–93: 126' (51.32–52.58); 40'
CONC. FRAME 1938, H–15: 82' (52.58–52.85); 24'
70' (52.72–52.86); 24'
SLAB 1938, H–15: 43' (53.45–53.53); 24'
TEE–BEAM 1940, H–15: 31' (54.53–54.63); 24'
TIMBER STRINGER 1950, H–15: 60' (56.58–56.70); 24'
TIMBER STRINGER 1940, H–15: 41' (56.70–57.12); 24'

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

60' (50.36–51.21); (65') (51.21–51.54); 60' (51.54–51.98); (60') (51.98–52.14); (85') (52.14–52.58); 60' (52.58–52.85); 60'–80' (52.85–54.03); 60' (54.03–58.74)

Available Right of Way Width (Needs Study)

BUSHES AND TREES ON LAVA ROCK (50.36–52.85); BUSHES AND LARGE TREES ON LAVA ROCK CUT SLOPES (52.85–58.74)

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) (50.36–51.37); (11HKL–01–97M, (R), 1998) (ER–12(1), (BRIDGE REPLACEMENT), 2001) (50.36–51.37); (11HKL–01–97M, (R), 1998) (50.86–51.28); (11GH–01–82M, (R), 1982) (51.37–53.47); 389 + 50 (53.53); 392 + 75 (53.47); (11G–01–04, DRAINAGE IMPR. 2008) (53.53–58.74)

Project No., Type of Construction, and Year Constructed

11G–01–91M, 1992 (51.37–58.74); 11FG–01–90M, (R), 1991 (58.74)

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #5

KEAIWA BR. 50.36 MI.; CULVERT 50.99 MI.; CULVERT KAMAKI ST. 51.32 MI.; PAAUAU BR. 51.37 MI.; POWER SUBSTATION 51.52 MI.; CULVERT 51.73 MI.; CULVERT PAVED RD. 51.96 MI.; MAILE ST. 52.06 MI.; CULVERT 52.20 MI.; MOAULA BR. 52.32 MI.; HIONAMOA BR. 52.63 MI.; CULVERT 52.72 MI.; CULVERT 52.99 MI.; CULVERT 53.13 MI.; KANENELU BR. 53.24 MI.; 388 + 37; CULVERT 53.50 MI.; CULVERT 53.99 MI.; CULVERT 54.07 MI.; PAVED ROAD 54.12 MI.; PUNALUU BR. 54.30 MI.; MAMALAHOA HWY. 54.53 MI.; PAVED RD (R) TO PUNALUU BLACK SAND BCH. (L) 54.99 MI.; BEGIN PAINTED MEDIAN 55.83 MI.; NINOLE BR. 56.32 MI.; END PAINTED MEDIAN NINOLE ROAD 56.49 MI.; PAVED ROAD 56.58 MI.; HILEA BRIDGE 56.98 MI.; PAVED ROAD 57.51 MI.; 57.70 MI.; 57.98 MI.; 58.98 MI.; PAVED ROAD 59.97 MI.

CONTINUED ON SHEET #7

SCALE: (In Miles) 2" = 1 mile

50 51 52 53 54 55 56 57 58 59 60

Divided Highway – Undivided

Shoulder: Width and Type

4'–9' AC (50.36–50.86); 4'–8' GRASS (50.86–51.28); 4' AC (51.28–51.46); (4'–8' GRASS) (51.46–56.74); 4' AC (56.74–56.84); (4'–15' AC) (56.84–56.92); 4'–6' AC (56.92–59.97)

Pavement: Width and Type

(6' GRAVEL) (50.36–50.78); (8' GRAVEL) 22' AC (50.78–51.28); 20' AC (51.28–56.74); 10'–18' AC (56.74–56.92); 20' AC (56.92–59.97)

Shoulder: Width and Type

4'–9' AC (50.36–50.86); 5'–15' GRASS (50.86–51.13); 7' BR (51.13–51.28); 4' AC (51.28–51.46); (6'–16' GRASS) (51.46–56.74); 4' AC (56.74–56.92); 4'–6' AC (56.92–59.97)

Median: Width and Type

Median Barriers:

12' PAINTED MEDIAN (56.32–56.58)

Shoulder: Width and Type

0 (56.74–56.92)

Pavement: Width and Type

10'–18' AC (56.74–56.92)

Shoulder: Width and Type

4' AC (56.74–56.92)

Number of Traffic Lanes

2–11' (50.36–51.37); 2–10' (51.37–56.32); 1–10'–18' (L) & (R) (56.32–56.58); 2–10' (56.58–59.97)

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) (50.36–50.86); (AC GUTTER) (50.86–51.37); (4' CONC. GUTTER) (53.53–53.47); (CONC. GUTTER) (56.58–56.63)

Protective Devices: Type, Location and Number

METAL ON METAL (56.58–56.63)

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 (1)

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 04606 (54.53); B71 0011 05649 (56.49); (B71 0011 05997) (59.97)

HPMS Sections – AADT 2007

2,125 (54.53–56.49); 2,525 (56.49–59.97)

HPMS Sections – AADT 2006

2,100 (54.53–56.49); 2,500 (56.49–59.97)

HPMS Sections – AADT 2005

2,060 (54.53–56.49); 2,470 (56.49–59.97)

DOD Sections

Census Tracts

Functional Classification

MINOR ARTERIAL (6)

National Highway System (NHS)

NOT ON NHS (0)

Previous Projects: Project No., Date and Limits

11 HKL–01–97M, (RESURFACE), 1998 (51.37–53.53); 11GH–01–82M, (RESURFACE), 1982 (51.43–53.53); (11G–01–78, (SHLDR. STAB.), 1978) (50.53–51.43); 11GH–01–81, (SHLDR. STAB.), 1981 (52.64–53.66); FAP 18 B 1938 (53.66–53.73); (11GH–01–82M, (R), 1982) (53.73–54.21); FAP 18C(1), 1940 (54.21–56.19); FAP 18C(1), 1938 (56.19–59.97)

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.

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

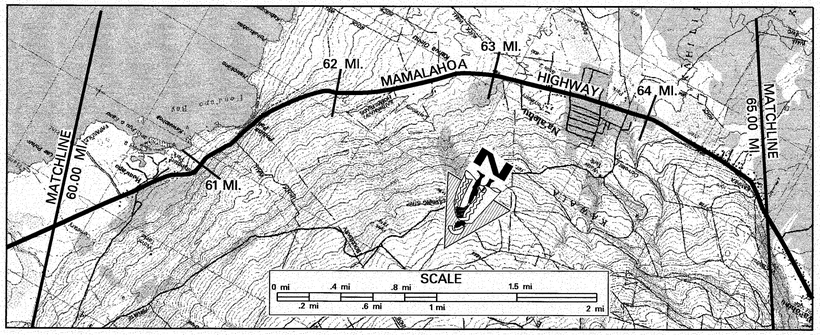
Total Route Length: 122.08 miles

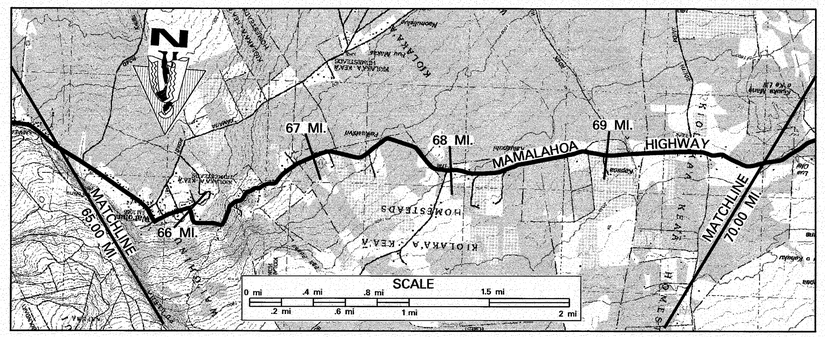
a. Survey Length: 122.08 miles

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.) | 60.00 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 72' WEST OF CENTER-LINE INTERSECTION WITH SOUTH POINT ACCESS ROAD. 69.52 | 11E (9.31 MI.)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: SLAB 1940, H–15 | 44' | 24'

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 60' | 60'–110'

Available Right of Way Width (Needs Study)

Right of Way Fence: Type – Right and Left: BUSHES, LARGE TREES ON LAVA ROCK CUT SLOPES | RESIDENTIAL | TREES – DENSE BRUSH – GRASS

Control of Access: 1–None, 2–Partial, 3–Full: WIRE ON WOOD 15' FROM PAVEMENT | WIRE ON WOOD 15' FROM PAVEMENT | NONE

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

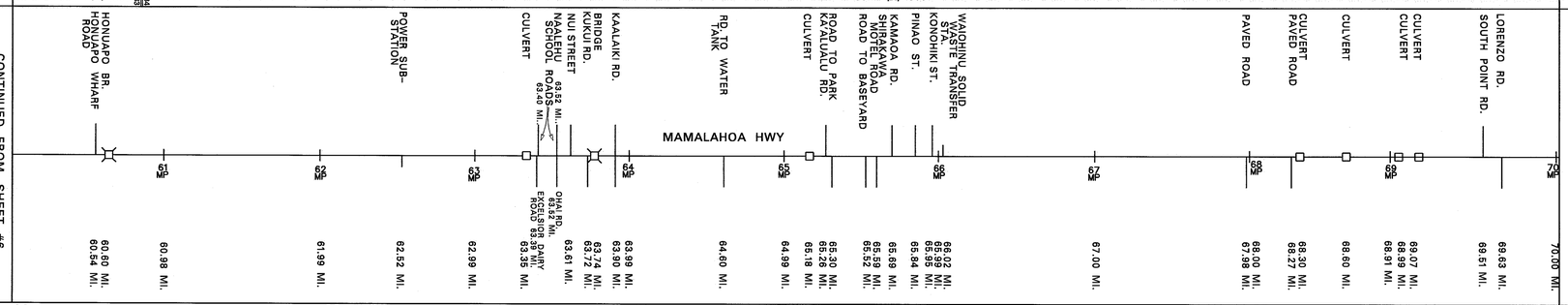
Project No., Type of Construction, and Year Constructed: 11FG–01–90M (R) 1991 | 11EF–01–93M (R) 1996

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #6



CONTINUED ON SHEET #8

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type: 4'–6' AC | 4'–6' GRASS | 4'–6' BP | 4'–36' GRV. | 4'–15' GRASS | 4'–6' BP | 8' GRASS | 0' | 14' AC | 2'–8' GRASS | 2'–8' BP | 0' | 2'–8' GRV. (6'–12' GRV.) (12' AC) | 2' – 4' AC

Pavement: Width and Type: 20' AC (12' GRAVEL) | 22' AC | 24' AC | 18' AC | 22' AC

Shoulder: Width and Type: 4'–6' AC | 6' AC | 2'–10' GRASS | 4'–8' AC | 2'–6' GRASS | 2'–5' AC | 4'–15' GRS. | 4'–16' GRV. (6'–10' BP) | 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 | 2'–10' GRV. | 4'–12' AC | 4'–10' GRAVEL | 3'–6' AC | 2' – 4' AC

Median: Width and Type

Median Barriers: METAL ON CONCRETE GUARDRAILS | MV | MV

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

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

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 2–12.5'

(Right Side): 4' CONC. S.W. | 2' AC S.W. | (8' BP S.W.) | CONC. CURB (AC ROLL)

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 (1)

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 2007: 2,525 | 2,500 | 2,470 | 3,740 | 3,700 | 3,710

HPMS Sections – AADT 2006

HPMS Sections – AADT 2005

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (6)

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 | COUNTY (P–1829) 1974

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2001

Revised	
5/06	G.N.

ROAD INVENTORY

HAWAII RTE 11
MAMALAHOA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

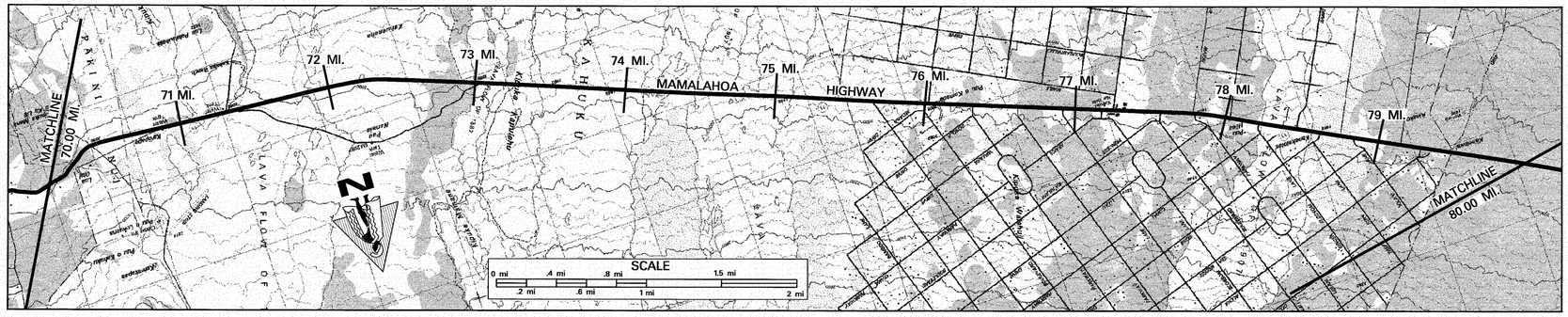
Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

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 Phy Brg

- Vertical Clearance
- Horizontal Clearance

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

60'–110' (73.18) | 100' (75.33) | 90' (75.54) | 60'–110' (78.61) | 80' (79.41) | 85' (79.51) | 80' (79.83) | 90' (79.94) | (80') (78.88)

Available Right of Way Width (Needs Study)

TREES – DENSE BRUSH – GRASS (70.49) | TREES & BRUSH (72.49) | 1000' CLEAR – LAVA ROCK 15' FROM EDGE OF PAVEMENT (75.38) | TREES AND HEAVY BRUSH (78.85)

Right of Way Fence: Type – Right and Left

ROCK WALL (70.34 – 72.07) | ROCK WALL (74.70 – 75.46) | ROCK WALL (75.85 – 77.88) | ROCK WALL (77.76 – 77.88) (ROCK WALL)

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

NONE (75.60 – 77.44)

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 (72.94) | 11E-01-02M GUARDRAIL & SHOULDER IMPROVEMENT 2005 | STA 610+00 (77.26)

Project No., Type of Construction, and Year Constructed

11EF-01-93M, (R), 1996 | COUNTY (P-1957) 1977 (72.46 – 73.23) | 11E-01-75, 1976 (75.44 – 78.90) | 11EF-01-93M, (R), 1976 | 11D-01-79M, (RESURF.), 1979 (78.84 – 80.00)

CONTINUED FROM SHEET #7

KAHUKU RANCH RD. (70.00 MI.) | OLD HAWAII BELT RD KAHUKU RANCH RD (70.22 MI.) | ROAD (71.00 MI.) | ENTRANCES TO SCENIC LOOKOUT (71.41 MI. / 71.32 MI.) | S.POINT BAR & RESTAURANT (72.01 MI.) | TIKI LANE (73.03 MI. / 73.01 MI.) | KOHALA BLVD. KING KAMEHAMEHA (73.87 MI.) | DONOLA DR. (74.90 MI. / 74.85 MI.) | ORCHID PARKWAY (75.66 MI.) | LEHUA LANE (75.83 MI. / 75.81 MI.) | BEG DIVIDED (76.03 MI. / 76.00 MI.) | LOTUS BLOSSOM LN (76.33 MI.) | END DIVIDED PRINCE KUHIO DR (76.63 MI.) | HAWAII BLVD. (76.84 MI. / 76.93 MI.) | LEILANI PRWY. (R) LEILANI MAKAI (L) (77.10 MI. / 77.18 MI.) | KULA KAI BLVD. (77.27 MI.) | GINGER BLOSSOM LN (77.58 MI.) | ROAD (KONA GARDEN ESTATES) (77.80 MI. / 77.83 MI.) | KONA DRIVE (78.05 MI.) | IOLANI LANE (78.24 MI.) | ALOHA BLVD. (78.45 MI.) | (78.65 MI.) | (78.83 MI. / 78.89 MI.) | (79.34 MI.) | (79.83 MI.)

MAMALAHOA HWY

CONTINUED ON SHEET #9

Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

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

Divided Highway – Undivided

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

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

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

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

Divided Highway

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

12' PAINTED AC (77.10 – 77.41)

0

12' AC

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. (77.27 – 77.38)

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)

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

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

–4.43 (74.25 – 74.48) | +2.34 (74.48 – 74.83) | –0.85 (74.83 – 75.00) | +2.85 (75.00 – 75.24) | –1.38 (75.24 – 76.46)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL (1)

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

ROLLING

Speed: 1–Design, 2–Posted

45 MPH (2) (70.22) | 55 MPH (2) 45 MPH (2) (72.42) | 55 MPH (2) | 55 MPH (2) (MINIMUM 40) (79.04)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

B71 0011 06798 (70.22) | 71.42 | B71 0011 07022 | B71 0011 07663 (76.83 – 77.30) | B71 0011 07758 (77.38)

HPMS Sections – AADT 2007

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

HPMS Sections – AADT 2006

3,700 | 3,700 | 3,700 | 3,700

HPMS Sections – AADT 2005

3,710 | 3,710 | 3,710 | 3,710

DOD Sections

Census Tracts

Functional Classification

MINOR ARTERIAL (6)

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 (78.90) COUNTY | 11D–01–79M (RESURF.) 1979 BF–011–(3) 1959

823 + 00 | 705 + 00 | 623 + 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.

ROAD INVENTORY

HAWAII RTE 11
MAMALAHOA HWY.

STATE OF HAWAII
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FEDERAL HIGHWAY ADMINISTRATION

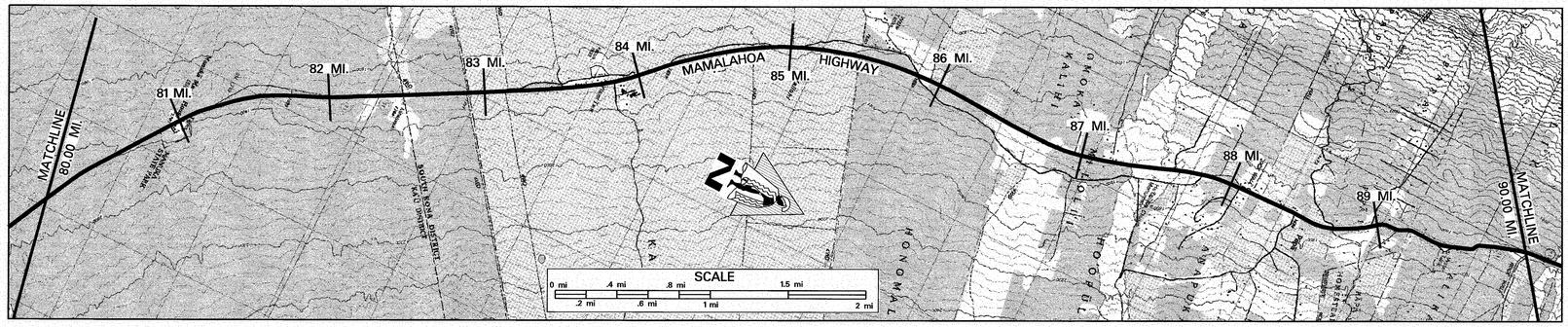
Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

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. 88.72 | 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' | 90' | 80' | 80' | 90' | 80' | 80'–120' | 80' | 80'–105' | 80' | 80'–150' | 80'–95' | 80'–90' | 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) | (STONEWALL 20' FROM E.P.) | (STONEWALL 20' FROM E.P.) | RUBBLE WALL 20' FROM E.P. FENCE | RUBBLE WALL 20' FROM E.P. FENCE

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

NONE

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

STATE

Project No., Type of Construction, and Year Constructed

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

Project No., Type of Construction, and Year Constructed

CONTINUED FROM SHEET #8

MANUKA PARK ENTRANCE | DISTRICT OF SOUTH KONA | DRIVEWAYS | KAPUA MAUKA ROAD | HONOMALINO AGRI. OFF. RD. | MAMALAHOA HWY | PAVED ROAD | PAVED ROAD | ENTRANCE TO KAHUA RANCH S'TEWART | PAVED ROAD | ROAD | OLD MAMALAHOA HIGHWAY | LANI KONA RD. | HONOMALINO RD. | MILOLII VILLAGE ACCESS RD. | PAPA BAY DRIVE | PAPALANI PLACE | ROAD

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. | 87.97 MI. | 88.37 MI. | 88.73 MI. | 88.83 MI. | 88.98 MI. | 89.15 MI. | 89.46 MI. | 89.82 MI.

CONTINUED ON SHEET #10

SCALE: (In Miles) 2" = 1 mile

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

6' BP | 22' AC | 6' BP | 0'–6' GRASS | 8' AC | 0'–6' AC | 20' AC | 24' AC | 20' AC | 2'–8' GRAVEL | 8' AC | 2'–8' GRV.

Number of Traffic Lanes

2–11' | 2–10' | 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

METAL ON METAL | 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 (1)

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

ROLLING | MOUNTAINOUS

Speed: 1–Design, 2–Posted

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

B71 0011 07758 | B71 0011 08837

HPMS Sections – AADT 2007

3,740 | 3,740

HPMS Sections – AADT 2006

3,700 | 3,700

HPMS Sections – AADT 2005

3,710 | 3,710

DOD Sections

Census Tracts

Functional Classification

MINOR ARTERIAL (6)

National Highway System (NHS)

NOT ON NHS (0)

Previous Projects: Project No., Date and Limits

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

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2001

Revised	
Feb 06	D.B.
6/06	D.B.

ROAD INVENTORY

HAWAII RTE 11
MAMALAHOA HWY

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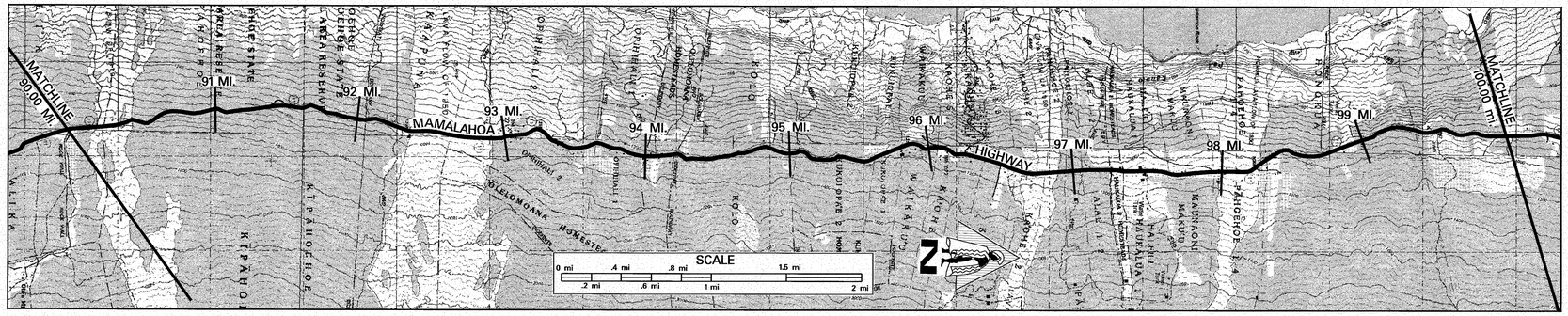
Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

90 91 92 93 94 95 96 97 98 99 100

Maintenance Control Sections : Length and Description — 11 C (12.43 MI.)

Structure Carrying Road

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

Structure Over Road

- Vertical Clearance
- Horizontal Clearance

- Right of Way Width (min.–max.) if varies — 50′ | 80′ | 50′ | 80′ | 50′ | 80′ | 50′
- Available Right of Way Width (Needs Study) — LAVA ROCK AND LARGE TREES | LAVA ROCK & TREES | RESIDENTIAL AREA | BRUSH AND LARGE TREES
- Right of Way Fence: Type – Right and Left — (STONE WALL 20' FROM EDGE OF PAVMT) RUBBLE WALL | (STONE WALL 20' FROM EDGE OF PAVMT) RUBBLE WALL | (RUBBLE WALL) FENCE | (RUBBLE WALL) FENCE | STONE WALL 20' FROM EDGE OF PAVEMENT | STONE WALL 20' FROM EDGE OF PAVEMENT
- Control of Access: 1–None, 2–Partial, 3–Full — NONE
- Jurisdiction, Transfer Phase No. and Date (C to S or S to C) — STATE
- Project No., Type of Construction, and Year Constructed — (11C-01-90M, (R), 1990) (11C-01-76M, (R), 1976) 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

CONTINUED FROM SHEET #9.

KIPAHOEHOE NATURAL AREA RESERVE — KA OHE RANCH — KIPAHOEHOE NATURAL AREA RESERVE — CONC. ROAD — 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. WAIEA DUMP RUBBISH

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

MAMALAHOA HIGHWAY

90.17 MI. 90.06 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. | 94.40 MI. | 94.50 MI. | 94.78 MI. | 94.81 MI. | 95.79 MI. | 96.05 MI. | 96.24 MI. | 96.38 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

Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

90 91 92 93 94 95 96 97 98 99 100

Divided Highway — Undivided

- Shoulder: Width and Type — 0′–6′ GRASS | 8′ AC | 0′–6′ GRASS | 4′ GRAVEL | 0′–4′ GRASS | (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 — 2′–8′ GRAVEL | 0′–6′ GRASS | 8′ AC | 0′–6′ GRASS | 2′ AC | 3′ AC | 3′–6′ GRASS | 0′–6′ GRASS | (8′) | 0′–6′ GRASS | 4′ AC
- Median: Width and Type
- Median Barriers:
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type

- Number of Traffic Lanes — 2–10′ | 2–12′ | 2–10′ | 2–(8′–9′) | (2–11′) | 2–(8′–9′) | 2–10′ | 2–(8′–9′) | 2–10′ | 2–9′ | 2–10′ | 2–(8′–9′)
- Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
- (Right Side)
- Frontage Road: No. of Lanes, and Width (Right and Left)
- Sidewalk: Width and Type (Right and Left)
- Curb and/or Gutter: Type (Right and Left) — 2′ AC GUTTER | 1′ AC GUTTER | 2′ AC GUTTER
- Protective Devices: Type, Location and Number — ALL GUARDRAILS METAL ON METAL
- Illumination: Type, Location and Number
- Curves: Degree of Curvature (Right and Left)
- Superelevation (Range)
- Grades: % Grade, Positive or Negative
- Vertical Curve: Crest or Sag, Curve Limits
- Area and Development:
- Terrain: 1–Flat, 2–Rolling, 3–Mountainous — RURAL (1) / MOUNTAINOUS
- Speed: 1–Design, 2–Posted — 35 MPH (2)
- Intersection Control Devices: Type, Location and Cycle Timing
- Traffic Stations (Cuurent Year) — 94.56 B71 0011 08837
- HPMS Sections AADT 2007 — 3,740
- HPMS Sections AADT 2006 — 3,700
- HPMS Sections AADT 2005 — 3,710
- DOD Sections
- Census Tracts
- Functional Classification — MINOR ARTERIAL (6)
- National Highway System (NHS) — NOT ON NHS (0)
- Previous Projects: Project No., Date and Limits — (11BC-01-91, (IMPROV., REALIGN), 1993) | 11C-01-76M, (RESURFACE), 1976 | FAP 8A, 1930 | 11C–01–91M, (RESURFACE), 1992 | ER 2(1), FLOW #3, 1951 | (40 + 06.28) | (113 + 01.67) | (11BC-01-90, (IMPRV.), 1991) | 11C-01-75M, (RESURFACE), 1976 | FAP 8-A, 1930 | (727 + 12) | 11C-01-90M, (R), 1990 | (11C-01-76M, (R), 1976) | ER 2(1), FLOW #2, 1951 | (0 + 00) | (FAP8B, ER 2(1), 1953) | FAP 8A, 1932 | FAP 8-A, 1930 | (20 + 00) | 11BC-01-89M, (R), 1989 | (HHS-011-1(15), 1976) | (11C-01-76M, (R), 1976) | (633 + 93) | (FAP 8-C , 1931) | (658 + 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.

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

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

Maintenance Control Sections : Length and Description

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

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) | STONE WALL 20' FROM EDGE OF PAVEMENT | (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

CULVERT | HOOKENA BEACH RD. | HOOKENA SCHOOL RDs | ROAD | ROAD | POWER SUB STATION | ROAD TO CITY & NAPOOPOO (KEALAKEKUA BAY STATE HWY 160) | STATE HWY BASEYARD (TELEMETRY STATION 76E) | MIDDLE KEEI RD. | HONAUNAU ELEM. SCH. RD. | ROAD | ROAD | CULVERT | ROAD | KALAMALANI PL. | ANOI PLACE | ROAD | KILOA ROAD | BEGIN 4 LANE DIV. HWY | PAVED RD. END DIV. HWY & BEGIN 4 LANE DIV. HWY | KINUE RD. | CAPTAIN COOK ROAD | "CAPT. COOK VILLAGE RD. KOA RD." SIGN.

DOD 785 | DOD 790 | MAMALAHOA HWY

100.50 MI.. | 100.77 MI.. | 101.10 MI.. | 101.32 MI.. 101.34 MI.. | 101.77 MI.. 101.82 MI.. | 102.09 MI.. | 102.73 MI.. 102.77 MI.. | 103.60 MI.. | 103.77 MI.. | 104.14 MI.. | 104.78 MI.. | 105.59 MI.. | 105.78 MI.. 105.92 MI.. 105.95 MI.. | 106.10 MI.. | 106.31 MI.. | 106.78 MI.. | 107.79 MI.. | 108.00 MI.. | 108.13 MI.. | 108.61 MI.. 108.68 MI.. | 108.76 MI.. | 108.98 MI.. | 109.15 MI.. 109.20 MI.. | 109.22 MI.. | 109.34 MI.. | 109.50 MI.. | 109.53 MI.. | 109.60 MI.. | 109.78 MI.. | 109.87 MI..

CONTINUED FROM SHEET #10

CONTINUED ON SHEET #12

Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

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

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

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

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

Curb and/or Gutter: Type (Right and Left)
1' BITUMINOUS CURB | 1' BITUMINOUS CURB | 1' BITUMINOUS CURB | (BITUMINOUS CURB) | CONC. CURB | CONC. CURB

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

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

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

1 MV | 20 MV

Area and Development:
RURAL (1)

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 2007
3,740 | 5,960 | 10,100 | 10,100

HPMS Sections – AADT 2006
3,700 | 5,900 | 10,000 | 10,000

HPMS Sections – AADT 2005
3,710 | 5,800 | 9,930 | 9,930

DOD Sections

Census Tracts

Functional Classification
MINOR ARTERIAL (6)

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

Previous Projects: Project No., Date and Limits

11BC–01–89M, (R), 1989 | 11BC–01–89M, (R), 1989 | 11B–03–70, 1971 | 11B–01–96M, (RESURFACE), 1998 | 11B–01–81M, (RESURFACE), 1981
(11B–03–70, 1971) | (HHS–011–1(15), 1976) | NRH 8–E, 1936 | WPH 8–F, 1936 | COUNTY | WPH 8–F, 1936 | FAP 8–G, 1937 | COUNTY
FAP 8–C, 1931 | FAP 8–D, 1931 | NRH 8–E, 1935 | WPH 8–F, 1935 | EXCEPTION | WPH 8–F, 1935 | PROJ. #8–G
450 + 98.79

SCALE: (In Miles) 2" = 1 mile

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

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

ROAD INVENTORY

HAWAII RTE 11

MAMALAHOA HWY, KUAKINI HWY, QUEEN KAAHUMANU EXT.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

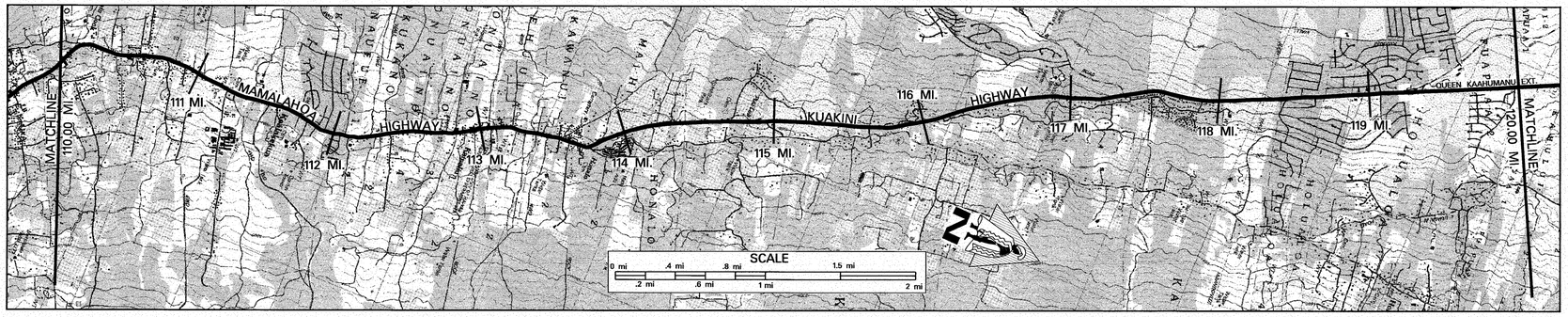
Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



Road Diagram

* MP = Milepost Signage

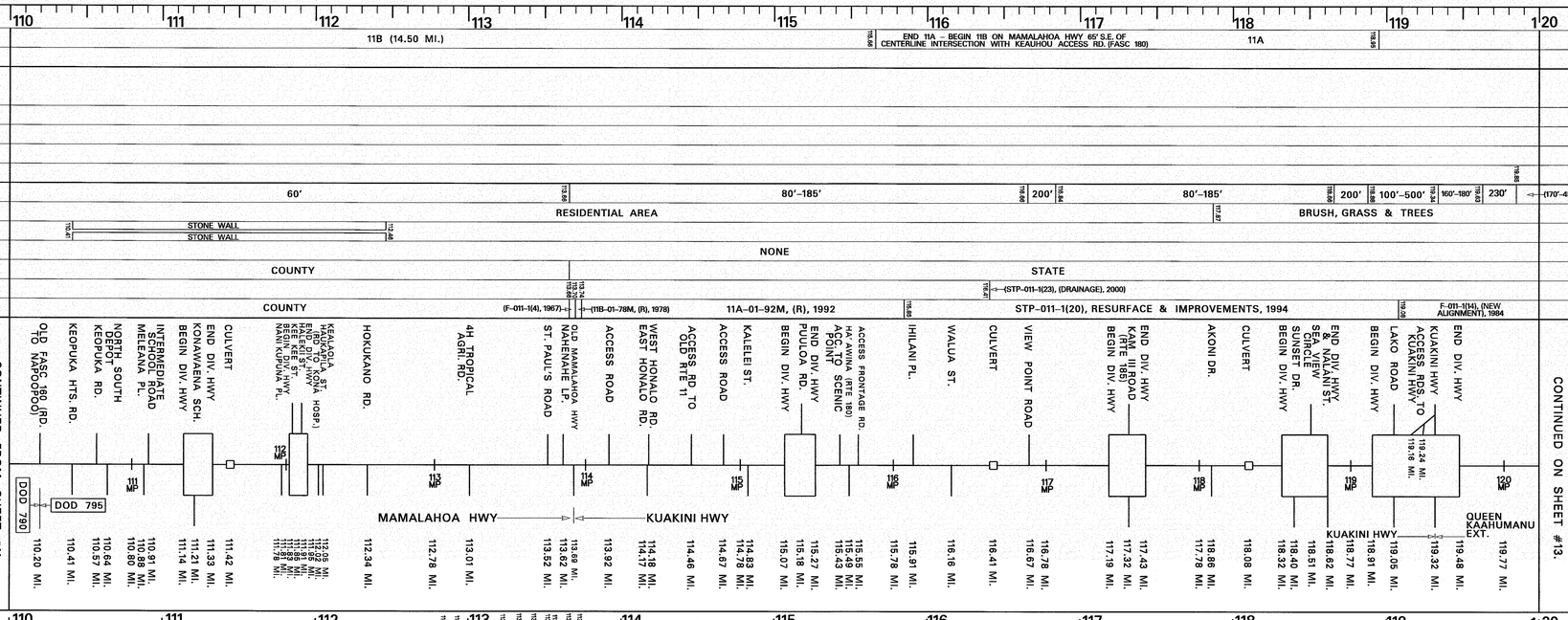
SCALE: (In Miles) 2" = 1 mile

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



SCALE: (In Miles) 2" = 1 mile

Divided Highway

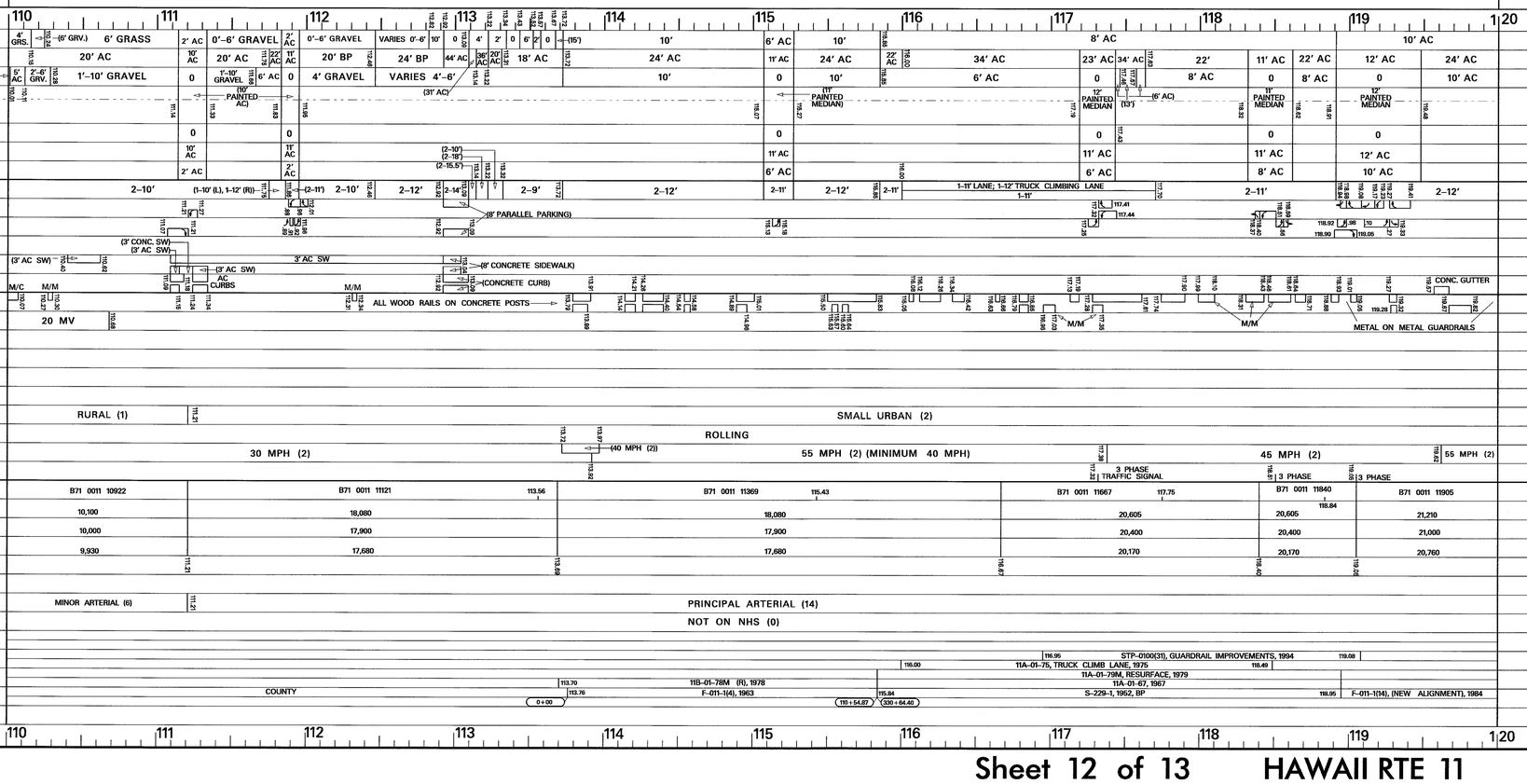
Undivided
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type

Median: Width and Type

Median Barriers:

- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type

- Number of Traffic Lanes
- Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
- (Right Side)
- Frontage Road: No. of Lanes, and Width (Right and Left)
- Sidewalk: Width and Type (Right and Left)
- Curb and/or Gutter: Type (Right and Left)
- Protective Devices: Type, Location and Number
- Illumination: Type, Location and Number
- Curves: Degree of Curvature (Right and Left)
- Superelevation (Range)
- Grades: % Grade, Positive or Negative
- Vertical Curve: Crest or Sag, Curve Limits
- Area and Development:
- Terrain: 1–Flat, 2–Rolling, 3–Mountainous
- Speed: 1–Design, 2–Posted
- Intersection Control Devices: Type, Location and Cycle Timing
- Traffic Stations (Current Year)
- HPMS Sections – AADT 2007
- HPMS Sections – AADT 2006
- HPMS Sections – AADT 2005
- DOD Sections
- Census Tracts
- Functional Classification
- National Highway System (NHS)
- Previous Projects: Project No., Date and Limits



SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
6/06	D.B.
2/08	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

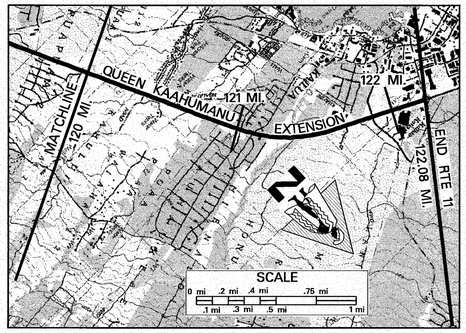
Total Route Length: 122.08 miles

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
175'

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

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

NONE

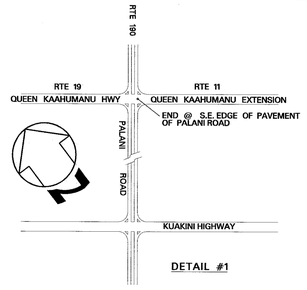
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)

STA 193+00 | 11A-01-02 Inter Imp 2005 | STATE | STA 167+50

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed

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



DETAIL #1

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #12

BEG. DIV HWY. HUALALAI ROAD | BEG. DIV HWY. SB W.I.M. STA. END DIV HWY. | END DIV HWY. PONI PL. NAANI-KAILUA DR. | BEG. DIV HWY. ROAD | (SEE DETAIL #1) HENRY ST.

120.41 Mi. | 121 MP 120.77 Mi. | 122 MP

QUEEN KAAHUMANU EXT.

120.21 Mi. | 120.37 Mi. | 120.45 Mi. | 120.74 mi. | 120.77 Mi. | 120.81 Mi. | 121.01 Mi. | 121.14 Mi. | 121.20 Mi. | 121.45 Mi. | 121.54 Mi. | 121.78 Mi. | 121.85 Mi.

END DOD 805

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

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

* 122.08 MI.

SCALE: (In Miles) 2" = 1 mile

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

Divided Highway – Undivided

Shoulder: Width and Type

10' AC

Pavement: Width and Type

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

Shoulder: Width and Type

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

Median: Width and Type

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

Median Barriers:

Shoulder: Width and Type

0 | 0 | 0

Pavement: Width and Type

12' AC | 12' AC | 12' AC

Shoulder: Width and Type

10' AC | 10' AC | 10' AC

Number of Traffic Lanes

2–12' | 2–12' 1–12'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

ALL CONC. GUTTERS

Protective Devices: Type, Location and Number

ALL METAL ON METAL GUARDRAILS

Illumination: Type, Location and Number

4 LPS – LOW PRESSURE SODIUM

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

SMALL URBAN (2)

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

ROLLING

Speed: 1–Design, 2–Posted

55 MPH (2) | 45 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

B71 0011 11905 | B71 0011 12045 | B71 0011 12114

HPMS Sections – AADT 2007

21,210 | 25,250 | 31,760

HPMS Sections – AADT 2006

21,000 | 25,000 | 31,444

HPMS Sections – AADT 2005

20,760 | 24,710 | 22,580

DOD Sections

Census Tracts

Functional Classification

PRINCIPAL ARTERIAL (14)

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.

ROAD INVENTORY

HAWAII RTE 19

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

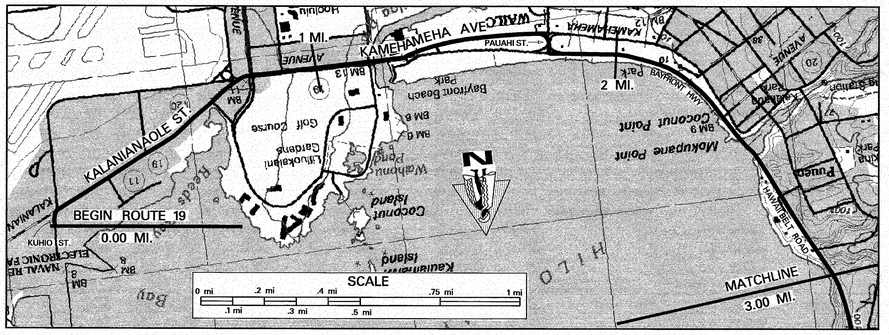
Total Route Length: 99.59 miles

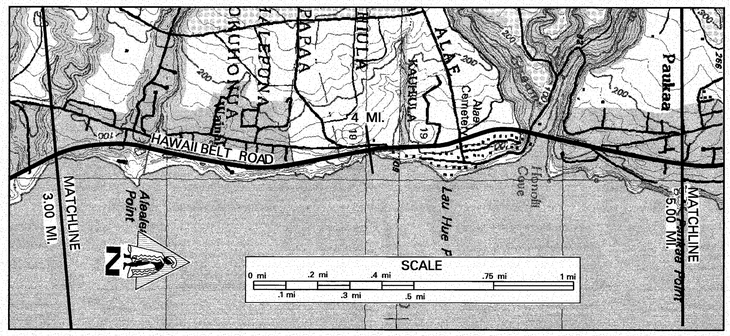
a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*





SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

END 19L SAME AS BEGIN RTE 19 | 19L (2.57 MI.) | END 19K AND BEGIN 19L AT N.W. END OF WAILUKU BR. 2.07 | 19K (1.63 MI.) | END 19J AND BEGIN 19K AT ALAE CEM. ACCESS RD. 4.70 | 19J (10.76 MI.)

Structure Carrying Road

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

Vertical Clearance: 152′ | 442′ | 146′ | 544′

Horizontal Clearance: 1.29 | 2.60 | 2.84 | 4.48

Structure Carry Road

Vertical Clearance: 106′ | 28′ | 28′ | 24′

Horizontal Clearance: 20′ | 23′–02″ | 18′–02″
2.89 | 40′ | 3.09 | 57′ | 3.26 | 44′

Right of Way Width (min.–max.) if varies: 75′–120′ (2.29 – 3.43) | 70′–261′

Available Right of Way Width (Needs Study)

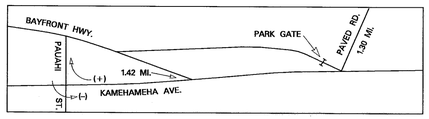
Right of Way Fence: Type – Right and Left

Control of Access: 1–None, 2–Partial, 3–Full: NONE (0.84) | PARTIAL (2.98) | NONE

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE (1.38) | COUNTY (1.83) | STATE

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

Project No., Type of Construction, and Year Constructed: 0.15 STP-0100(037), (IMPRV.), 1997 0.75 | NH-019-2(54), (BIKEWAY IMPRV.), 2003 1.48 1.68 | STP-019-2(31), (R), 1995 2.49 2.56 | STP-019-2(34), (RESURFACE), 1998 4.87



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.

0.00 MP (KUHIO ST.) SILVA. ST. END DIV. HWY BEGIN DIV. HWY | KALANIANAOLE ST & END DIV. HWY | PAVED ROAD KUMAU ST. | KEAA ST. | PAVED ROAD | END DIV. HWY & BANYON WAY BEG. DIV. HWY | KAMEHAMEHA AVE. BANYON DR. (R) | KANOELEHUA AVE LIHIKAI ST. (R) | KALANIKOA ST. | BEG. DIV. HWY | WAILOA BRIDGE LIHIKAI ST. (R) MANONG ST. (L) | PAVED ROAD | ONE WAY ROAD | ROAD FROM PARKING LOT | BEG. DIV. HWY END DIV. HWY | SEE DETAIL #1 | BAYFRONT HWY. PAUAHI ST. | END DIV. HWY | WAIANUENUE AVE. (FAU-C 1950) BEG. DIV. HWY | WAILUKU BR. END DIV. HWY | PUKIHAE ST. | HALAULANI ROAD O.P. PUKIHAE BRIDGE | END DIV. HWY HILO PLNT. RD. O.P. | HILO PLNT. RD. H.M.S.P. (R) HILO PLNT. FLUME O.P. BEG. DIV. HWY | END DIV. HWY HILO PLNT. RD. O.P. | HAU ST. | SCENIC LOOKOUT | WAINAKU ST. | NAHALA ST. (R) KAHOA RD. (L) | ALAE CEMETARY ENTRANCE | HONOLII BRIDGE | KAHOA PL. | KULANA ST. PAUKAA DR. BEG. DIV. HWY | END DIV. HWY | CONTINUED ON SHEET #2 5.00 MI.

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

0.00 MI. | 0.10 MI. | 0.08 MI. | 0.08 MI. | 0.29 MI. | 0.34 MI. | 0.43 MI. | 0.64 MI. | 0.69 MI. | 0.79 MI. | 0.84 MI. | 0.94 MI. | 1.05 MI. | 1.23 MI. | 1.27 MI. | 1.33 MI. | 1.43 MI. | 1.53 MI. | 1.63 MI. | 1.65 MI. | 1.78 MI. | 1.83 MI. | 1.96 MI. | 2.32 MI. | 2.40 MI. | 2.49 MI. | 2.50 MI. | 2.70 MI. | 2.74 MI. | 2.84 MI. | 2.89 MI. | 3.04 MI. | 3.09 MI. | 3.13 MI. | 3.22 MI. | 3.26 MI. | 3.32 MI. | 3.53 MI. | 3.75 MI. | 4.04 MI. | 4.19 MI. | 4.28 MI. | 4.49 MI. | 4.68 MI. | 4.73 MI. | 4.78 MI. | 4.87 MI. | 4.94 MI.

SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided

Shoulder: Width and Type: (6′ GRS.) 0.09 | (4′–6″ AC) | 25′ GRASS | 0.29 | 6″–15′ GRASS (4′–6″ AC) | 0.84 | 0.89 | 0 | 5′ AC SHLDR. / BIKELANE | 2′–4″ AC | 8″–20′ AC | 1.47 | 1.48 | (50′ AC) | 0′–1′ AC | 1.88 | 8′ AC | 2.35 | 30′ AC | 2.39 | 2.43 | 2.49 | (0′–1′ AC) | 4′ AC | 4.68 | 4.87 | 4.90 | 8′ AC (6′ AC)

Pavement: Width and Type — ALL PAVEMENT AC: 28′ (16′) | (25′ GRS./GRV.) 28′ | 12′ | 36′ | 0.79 | 0.84 | 0.92 | 45′ | 24′ AC | 28′ AC | 28′ AC | 1.70 | 12′ AC | 32′ AC (20′ AC) | 2.39 | 24′ AC | 2.43 | 2.49 | (12′ AC) | 24′ | (50′) | 24′ | 27′ | 53′ | 3.38 | 24′ | (22′ AC) | 4.68 | 12′ AC | 24′ AC

Shoulder: Width and Type: (6′–8″ GRASS) 0.03 | 0 | 0 | 15′ AC | 0.17 | 0.22 | 0.28 | 15′ GRS. | 0.42 | 8′–12′ GRS. | 0 | 16′ AC | 0.79 | 0.84 | 0.92 | 5′ AC SHLDR. / BIKELANE | 0 | (0′–1′ AC) | 8′ AC | 1.84 | 0 | 1′ AC | 8′ AC | 0 | 1′ AC | 0 | 6′ AC

Median: Width and Type: (32′ GRV.) 0.03 | 0.15 | 0.17 | 0.22 | 0.27 | (0′–12′ PAINT) | 0′–20′ PAINTED AC (PAINTED AC) | 1.63 | 1.66 | 0′–10′ RAISED AC 12′ GRASS | 1.82 | 1.88 | (0′–12′ PAINTED AC) | 2.32 | 2′–12′ RAISED GRASS | 4′–12′ GRASS M/M | 3.04 | 3.32 | 0′–8′ PAINTED AC

Median Barriers: (0′–8′ PAINT)

Shoulder: Width and Type: 0 | 0 | 0 | 1′ AC | 0 | 1′ AC

Pavement: Width and Type — ALL PAVEMENT AC: (15′) | 12′ | (1–13′) (1–17′) | (1–11′) (1–12′) | 22′ AC | 22′ AC | 1.88 | 20′ AC | 16′ AC | 26′ | 12′ AC

Shoulder: Width and Type: 0 | (8′–16′ AC) | 0.80 | 0.84 | 5′ AC SHLDR. / BIKELANE | 1.37 | 8′ AC | 1.42 | 0′–1′ AC | 0′–1′ AC | 1.52 | 2′ AC | 2′ AC | 4′ AC | 8′ AC

Number of Traffic Lanes: (2–14′) | 2–14′ | (1–16′) (1–15′) (1–12′) (1–12′) | 1–14′ | 0.78 | 0.84 | 0.94 | 2–12′ | 1.48 | 2–11′ | 2–14′ | 1.76 | 1.88 | 1–12′ | 1–20′ | (2–12′) | 1–16′ | 2.40 | 2–12′ TLs | 2–12′ | 3.00 | 2–12′ | 3.10 1–13′ (L), 1–14′ (R) | 3.38 | 2–12′ | (2–11″) | 4.68 | 2–12′

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 11′ TL | 0.74 | 0.78 | 0.84 | 0.94 | 13′ | 1.37 | 1.42 | 11′ TL | 1.73 | 1.78 | 1.82 | 12′ TLs | 3.10 | 3.15 | 3.25 | 10′ T.Ls | 3.47 | 11′ TL | 3.86 | 12′ TL | 4.72 | 4.78 | 4.81 | 12′ ACC. LN.

(Right Side): (10′ PARKING LN.) | 12′ TL | 0.05 | 0.09 | 0.16 | 0.69 | 0.80 | 10′ T.L. | 1.16 (10′) | 12′ T.L. | 1.21 | 1.27 | 1.33 | 12′ T.L.

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

Sidewalk: Width and Type (Right and Left): 0.03 | 0.05 | 0.09 | (8′ CONCRETE) | 0.60 | 8′ CONC. 1.06 | CONC. CURB 1.06 | 1.33 | 1.49 | 1.73 | 1.84 | CURB + GUTTER | 2.37 | CURB + GUTTER 2.45 | 2.48 | 2.61 | 2.73 | 2.85 | 2.87 | 2.90 | 2.94 | 3.02 | 3.24 | 3.27 | 3.32 | 3.34 | 3.68 | 3.86 | 3.99 | 4.05 | 4.19 | WOOD ON CONC. METAL ON CONCRETE | 4.79 | 4.84

Curb and/or Gutter: Type (Right and Left): 0.03 | 0.05 | (CONC. CURB) | 1.02 | 1.89 | 2.32 | 2.45 | 2.80 | 2.87 | 2.90 | 2.94 | 3.02 | 3.24 | 3.27 | 3.32 | 3.34 | 3.68 | 3.86 | 3.99 | 4.05 | 4.19 | 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) | RURAL (1)

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

Speed: 1–Design, 2–Posted: NOT POSTED 0.22 | 35 MPH (2) | 55 MPH (2) 2.16 | 45 MPH (1) | 35 MPH (2) 2.71 | 45 MPH (2) | 55 MPH (2) (MINIMUM 40 MPH)

Intersection Control Devices: Type, Location and Cycle Timing: 0.04 | 3 PHASE | (B71 0019 00178) 1.78 1.83

Traffic Stations (Current Year): B71 0019 00000 0.41 | B71 0019 00079 1.07 | B71 0019 00133 1.65 | B71 0019 00183 2.17 | B71 0019 00248 2.60 | B71 0019 00289 2.97 | B71 0019 00322

HPMS Sections – AADT 2007: 15,255 | 20,000 | 26,765 | (10,100) 10,910 | 16,565 | 16,565 | 15,455

HPMS Sections – AADT 2006: 15,100 | 19,800 | 26,500 | (10,800) 10,800 | 16,400 | 16,400 | 15,300

HPMS Sections – AADT 2005: 14,980 | 19,590 | 26,220 | (9,900) 10,680 | 16,240 | 16,240 | 15,160
0.79 | 1.33 | 1.78 | 1.83 | 2.48 | 2.89 | 3.22

DOD Sections: PRINCIPAL ARTERIAL (14) | PRINCIPAL ARTERIAL (2)

Census Tracts: ON NHS (1)

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits:
0.76 | STP-019-2(32), (R), 1996 | 1.07
1.00 | BR-F-019-2(27), (BR. REPLACEMENT), 1993 | 1.49
STP-0100(037), (IMPRV.), 1997 | 0.76 | 0.81 | 19L-01-82M, (R), 1982
0.15 – (19L-01-82M, (R), 1982) | 1.31 | 19L-01-79M, (R), 1979
SDR-2(2), 1951
COUNTY TO STATE (PHASE 1) | 1.42 | 60+00 | (SDR 3(8), 1950) 2.49 | 2.57 | 132+42 | 19 K-01-72, (R), 1972 | 3.32 | 19K-01-85M, (RESURFACE), 1985 | 4.60 | 19J-02-88M, (R), 1988
0+00 | 86+64 | SDR 3(1), 1948 | 19JK-01-70 (RESURFACE & REHAB) 1971 | 4.65 | SDR-3(4), 1950

SCALE: (In Miles) 4" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
6/06	D.B.

ROAD INVENTORY

HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

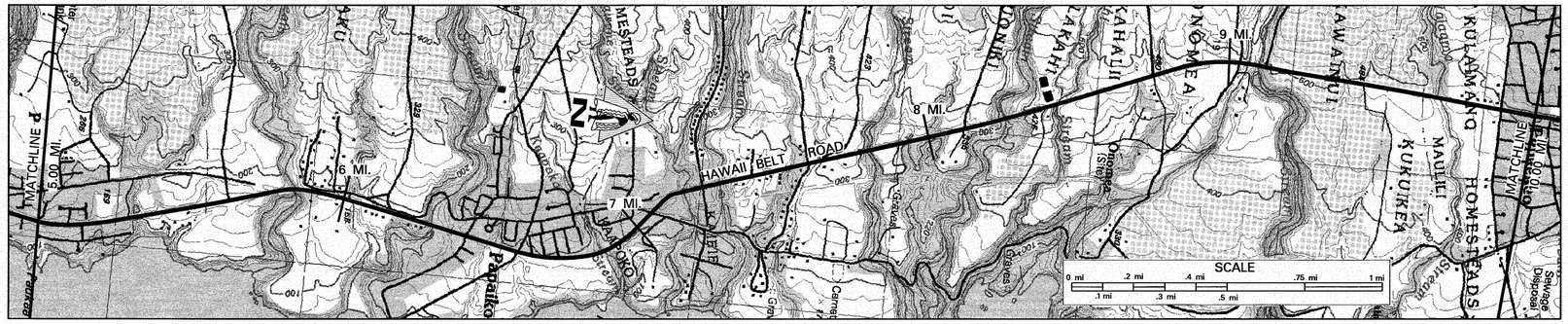
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

Maintenance Control Sections : Length and Description

19J (10.76 MI.)

Structure Carrying Road

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

CONC. MASONRY ARCH HS–20, 1912, (1967) 49′ (5.62) | STEEL GIRDER & FLOOR BEAM H–20, 1950 415′ (6.27) | PRESTRESSED BEAM HS–20, 1967 210′ (7.29) | PRESTRESSED BEAM HS–20, 1967 145′ (7.77) | PRESTRESSED BEAM HS–20, 1968 424′ (8.20) | STEEL GIRDER & FLOOR BEAM H–20, 1948 71′ (9.08) | PRESTRESSED BEAM 1968, HS–20 198′ (9.86)

Vertical Clearance

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′ (7.90) | 80′–135′

Available Right of Way Width (Needs Study): (SUGAR CANE) (9.85) | (9.86) RESIDENTIAL

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

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STA 144+40 (9.70) 19J–01–02 IMP 2005 (9.88) STA 159+00

Project No., Type of Construction, and Year Constructed: (19HJ–02–95M, (BRIDGE REPAIR), 1996) (6.27) (7.08) (7.29) (7.77) (8.20) STP–019–2(35), (RESURFACE), 1997

Project No., Type of Construction, and Year Constructed: 19J–01–97M, (R), 1999

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #1 — 5.00 MI.

KUKAHI ROAD NANEA ROAD (5.09 MI.) | HIKINI PLACE LALI PLACE (5.38 MI.) | ROAD (L) (5.65 MI.) | PAHOEHOE BR. (5.74 MI.) | ROAD TO PUUEOPAKU (5.82 MI.) | KAPUE RD. (6.01 MI.) | KAPUE BRIDGE (6.10 MI.) | ROAD TO PAPAIKOU (6.27 MI.) | PAVED ROAD (6.40 MI.) | PAVED ROAD (6.57 MI.) | KA IE IE RD. PAPAIKOU PEDESTRIAN O.P. (6.74 MI.) | KAIEIE BRIDGE KA IE IE RD. (7.04 MI.) | KALAOA CAMP RD. (7.29 MI.) | KALAOA BRIDGE (7.60 MI.) | TELEMETRY STATION 17J PAVED ROAD (7.77 MI.) | HAWAWI BRIDGE PAVED ROAD (7.95 MI.) | PAVED ROAD (8.14 MI.) | PAVED ROAD (8.44 MI.) | KAWAINUI BRIDGE OLD ONOMEA RD. (8.59 MI.) | BEGIN DIV. HWY. WAIAAMA BRIDGE (8.73 MI.) | KULAIMANO RD. STA 153+75 (9.08 MI.) | (9.71 MI.) | (9.73 MI.) | (9.88 MI.)

MP 6 | MP 7 | MP 8 | MP 9 | MP 10

HAWAII BELT ROAD

CONTINUED ON SHEET #3 — 10.00 MI.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type: 6′ AC (5.28) | 5′ AC (5.31) | 6′ AC (5.47) | 5′–10′ AC (6.46) | 6′ AC (6.57) | 5′–8′ AC (7.08) | 1′ AC (7.17) | 1′ AC (7.22) | 8′–14′ GRASS/GRAVEL (8.04) | 4′ AC (8.31) | 8′–18′ GRAVEL (8.92) | 5′ AC (9.03) | 6′ GRS (9.08) (6′ GRV.) | 11′–19′ GRAVEL (9.54) | 3′ AC (9.69) | 6′ AC (9.88) (2′–4′ AC)

Pavement: Width and Type: 24′ AC (7.08) | 22′ AC (8.31) | 35′ AC (8.89) | 22′ AC (9.69) | 12′ AC (9.88)

Shoulder: Width and Type: 6′ AC (6.06) | 5′ AC (6.18) | 6′ AC (7.08) | 1′ AC (7.17) | 1′ AC (7.22) | 8′–12′ GRASS/GRAVEL (8.21) | 4′–6′ AC (8.45) | 6′–15′ GRAVEL (9.08) | 6′ GRS (9.17) | 18′–23′ GRAVEL (9.54) | 3′ AC (9.69) | 13′ AC (9.86) | 0

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

Divided Highway — Median

Median: Width and Type

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′ (8.89) | 2–11′ | 2–12′

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

(Right Side): 1–12′ TRUCK CLIMBING LANE (8.31–8.89)

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 (9.72–9.88)

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (1)

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

Speed: 1–Design, 2–Posted: 55 MPH (2), MINIMUM 40 MPH (6.09–8.07) | 45 MPH (2) (7.22) | 55 MPH (2), MINIMUM 40 MPH

Intersection Control Devices: Type, Location and Cycle Timing: FLASHING WARNING LIGHTS (6.97, 7.19)

Traffic Stations (Current Year): B71 0019 00322 (6.25) | B71 0019 00640 (7.20) | B71 0019 00760 (9.60) | B71 0019 00966

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

HPMS Sections – AADT 2006: 15,300 | 11,100 | 11,000 | 9,700

HPMS Sections – AADT 2005: 15,160 | 10,910 | 10,910 | 9,650

DOD Sections: (6.40) | (7.60) | (9.86)

Census Tracts

Functional Classification: PRINCIPAL ARTERIAL (2)

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

Previous Projects: Project No., Date and Limits

19J–02–88M, (R), 1988 (6.35) | 19 JK–01–70, (RESURF. & REHAB), 1971 | SDFI–3(4), 1950 (6.97) | 7.08 | 19GHJ–01–78M, PMS–0100(11), UNIT 2, RESURFACE 1978 (7.78) | (125+03.70) (0+00) | 19J–01–85M, (R), 1985 (7.81–8.21) | (F–019–2(8), 1968) | 9.12 | 9.16 19J–01–85M, (R), 1985 (9.65) | 19J–03–85M, (R), 1985 | 8.29 19J–02–75, UNIT I, TRUCK CLIMBING LANE, 1979 (9.04–9.11) | F–AF 14B(1), 1949 | 19GHJ–01–76, (R), 1976 (9.88) | (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.

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

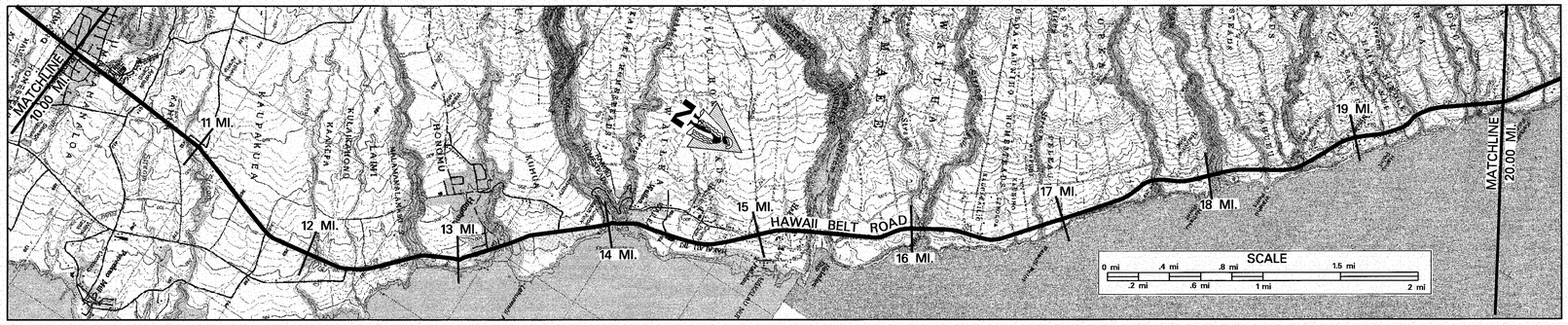
Total Route Length: 99.59 miles

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

	10	11	12	13	14	15	16	17	18	19	20
				STEEL MULTI-STRINGER 195, H-20 225′ (13.30)	STEEL GIRDER AND FLOORBEAM 1950, H-20 497′ (13.96)	H-20, 1953 775′ (15.30)	STEEL MULTI-STRINGER H-20, 1952 281′ (16.02)	H-20, 1952 225′ (17.61)	H-20, 1952 531′ (17.98)	HS-20, 1952 297′ (18.57)	TEE BEAM 34′ H-15, 1934 (19.40)	H-20, 1951 112′ (19.18)	TEE BEAM 1951, H-20 50′ (19.79)

Vertical Clearance

				28′	28′	28′	28′	28′	28′	28′	24′	28′	28′

Horizontal Clearance

Structure Over Road

Vertical Clearance

	16′–04″ (14.42)					16′–03″ (14.63)	25′–08″ (16.27)						

Horizontal Clearance

	42′					42′	38′						

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

	80′–135′ (11.65)		100′–430′ (14.88)			100′–230′ (18.89)		85′–225′ (18.99)			90′–200′ (19.97)		(70′–160′)

Available Right of Way Width (Needs Study)

(RESIDENTIAL) (10.05)	CLEAR 1000′ – SUGAR CANE 10′–20′ FROM PAVEMENT							LARGE TREES & HEAVY BRUSH (18.46)		RESIDENTIAL (19.38)	LARGE TREES (19.66)	(BRUSH AND LARGE TREES)	

Right of Way Fence: Type – Right and Left

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

NONE

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

STATE

Project No., Type of Construction, and Year Constructed

	(19J-02-85, TRUCK CLIMB LN., 1987) (12.45)			(19H-01-70, (R), 1971) (14.06)						(19H-01-00M, REALIGNMENT, 2002) (17.98)			
	STP-019-2(35), RESURFACE, 1997 (12.74)		19J-02-97M, RESURFACE, 2000			STP-019-2(36), (R), 1998						STP-019-2(36), (R), 1998	

Project No., Type of Construction, and Year Constructed

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #2 — 10.00 MI.

KA'AKEPA ST. (10.15 MI.) · END DIV. HWY (10.31 MI.) · HILO COAST POWER CO. KOUPAKUEA SUB STD. ROAD (L) (10.64 MI.) · ROAD (L) (10.74 MI.) · PEPEEKEO PLANTATION O.P. (10.94 MI.) · PAVED ROAD (11.42 MI.) · PAVED ROAD (11.74 MI.) · PAVED ROAD (11.89 MI.) · END DIVIDED BEG. DIVIDED PAVED ROAD (12.17 MI.) · PAHEEHEE BRIDGE RD. TO KAKAHONDALU FALLS (RTE 220) (12.44 MI.) · SOLID WASTE T.S.A. (12.74 MI.) · KOLEKOLE BRIDGE RD. TO KOLEKOLE BEACH PARK (13.30 MI.) · CULVERT (13.69 MI.) · ROAD (L) (13.74 MI.) · RD. TO HAKALAU (R) CO. HOUSE & PEDESTRIAN O.P. (13.96 MI.) · HAKALAU BRIDGE HAKALAU PLANTATION O.P. CULVERT (14.20 MI.) · UMAUMA BRIDGE (14.38 MI.) · KAUNIHO ROAD (14.57 MI.) · OPEA BRIDGE (14.74 MI.) · NANUE BRIDGE PAVED ROAD (14.95 MI.) · PAVED ROAD (15.15 MI.) · WAIKAUMALO BR. (15.30 MI.) · ROAD TO PARK (15.74 MI.) · WAIKOLU BRIDGE (16.02 MI.) · NINOLE BRIDGE (16.42 MI.) · PAVED ROAD (16.74 MI.) · MANOLOA BR. (17.61 MI.) · ROAD (17.74 MI.) · PAVED ROAD (17.88 MI.) · PAVED ROAD (17.91 MI.) · WAIKAUMALO BR. (18.37 MI.) · PAVED ROAD (18.57 MI.) · ROAD TO PARK (18.74 MI.) · WAIKOLU BRIDGE (18.80 MI.) · NINOLE BRIDGE (19.16 MI.) · PAVED ROAD (19.40 MI.) · MANOLOA BR. (19.52 MI.) · ROAD (19.73 MI.) · (19.87 MI.) · 20.00 MI.

HAWAII BELT ROAD

CONTINUED ON SHEET #4

SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided

Shoulder: Width and Type

(2′–4″ AC)	15′ GRV.	(7′ GRV.) 2′–6″ AC (10.89)	6′–12′ GRV. (11.63)	5′–8″ AC (11.98)	7″ AC (12.04)	4′–6″ DIRT (12.38)	5′ AC (12.46)	6′ AC					

Pavement: Width and Type

12′ AC	22′ AC (10.46)	28′ AC (11.27)	24′ AC (11.58)	36′ AC (11.86)	12′ AC (12.46)			24′ AC					

Shoulder: Width and Type

0	8′–18′ GRV. (10.85)	4′–15′ GRASS (11.37)	8′–9″ GRV. (11.53)	5′–12′ GRS. (11.86)	7′ AC (12.38)	0		6′ AC					

Median: Width and Type (12′ PAINT)

Median Barriers:

0′–10′ PAINTED MEDIAN (10.31)						(12.38)	(12.46)						

Shoulder: Width and Type

0						0							

Pavement: Width and Type

12′ AC						12′ AC (12.46)							

Shoulder: Width and Type

8′–18′ GRV.						7′ AC (12.58)							

Number of Traffic Lanes

2–12′	2–11′ (10.46)	2–14′ (11.21)						2–12′					

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

(10.02) (10.15)	(10.28)	TRUCK CLIMBING LANE – 12′ (11.58) (12.38)											

(Right Side)

(10.02) (10.15)	(10.04)												

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′ AC GUTTER) (11.82) (11.87)												

Protective Devices: Type, Location and Number — ALL METAL ON METAL; (2) WOOD ON CONCRETE

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL (1)

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

ROLLING

Speed: 1–Design, 2–Posted

55 MPH (2) – MINIMUM 40 MPH | 45 MPH (1) (17.49) | (55 MPH (2) (40 MPH MINIMUM)) 45 MPH (2) (55 MPH (2) (40 MPH MINIMUM))

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

B71 0019 00966	B71 0019 01054 (12.74)		B71 0019 01325 (15.74)	B71 0019 01674 (18.74)	B71 0019 01916
9,800	9,395		7,375	7,375	7,375
9,700	9,300		7,300	7,300	7,300
9,650	9,230		7,240	7,240	7,240

HPMS Sections – AADT 2007

HPMS Sections – AADT 2006

HPMS Sections – AADT 2005

DOD Sections

Census Tracts

Functional Classification

PRINCIPAL ARTERIAL (2)

National Highway System (NHS)

ON NHS (1)

Previous Projects: Project No., Date and Limits

(19J-03-85M (R) 1985)	10.33	19J-01-87M (R) 1987 (10.74)	11.21	19J-01-78M, RESURFACE, 1978		(19H-01-70, (R), 1971) (14.07)							
	FA-F14B(1), 1949 (198+00)		SDR-3(2), 1951 (0+00)			(SDR-3(10), 1955) (170+58.16)	13.97	65+00	SDR-3(12), 1950 (17+00)	14.99			

	TRUCK CLIMB LANES (11.45)	11.81	19J-02-85, 1987	12.45	19J-01-88M, (R), 1988	(19H-01-70, 1971, (R)) 13.97	14.06	14.37	STP-0100(31), 1994				
		11.45	19J-02-75, U-2, 1982	12.08		(F-FR-019-2(21), RESURFACE, 1983)		14.70		14.98	15.22		

						(19H-01-70, (R), 1971)	14.05	(19J-02-87M, (R), 1987				STP-019-2(36), (R), 1998	

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

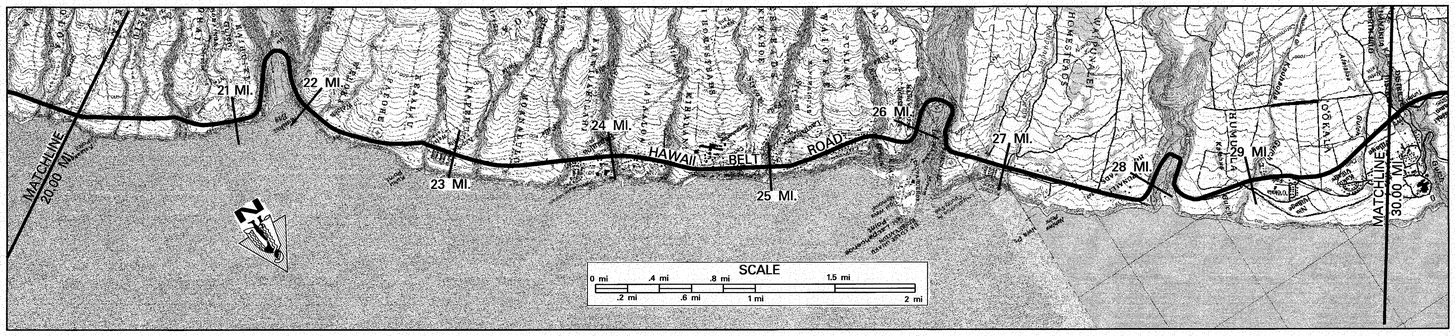
Total Route Length: 99.59 miles

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

19H (14.26 MILES)

END 19G – BEG 19H AT THE CENTERLINE OF OOKALA ACCESS ROAD 28.22

19G (12.57)

Structure Carrying Road

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

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

STEEL MULTI STRINGER, 1957, HS-20

Vertical Clearance

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

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 | (19HJ–02–95M (BRIDGE REPAIRS) 1996)

STP–019–2(36) 1998 RESURF | STP–019–2(33) 1997 (R) | 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

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #3

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

HAWAII BELT ROAD

20.18 MI. | 20.34 MI. | 20.66 MI. | 20.84 MI. | 20.74 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. | 25.28 MI. | 25.30 MI. | 25.63 MI. | 25.75 MI. | 26.74 MI. | 26.88 MI. | 26.90 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 | 4'–8' GRASS (1'–8' GRS.) | 5' AC | 5'–1" AC | 6'–8' GRASS | 4'–8' AC (6' GRS.) | 2'–4' AC | 4' AC | 4'–7' AC | 4' AC | 3' AC | 4' AC | 4'–6' AC | 4' AC | 5'–10' AC | 4' AC

Pavement: Width and Type

24' AC | 36' AC | 24' AC | 36' AC | 24' AC | 36' 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' | 2–12' | 1–12' | 2–12' | 1–12' | 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)

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

(2'–6' CONC. GUTTER) | STONE CURB | 8' CONC. S.W. (1'–6" CONC. GUTTER) | (5' CONC. GUTTER) | (CONC. CURB & GUTTER)

METAL ON METAL | METAL ON CONCRETE | METAL ON METAL | (STONE WALL)

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL (1)

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

ROLLING | MOUNTAINOUS | ROLLING | 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 22.75 | B71 0019 02366 25.75 | B71 0019 02683

HPMS Sections AADT 2007

7,375 | 7,375 | 7,375

HPMS Sections AADT 2006

7,300 | 7,300 | 7,300

HPMS Sections AADT 2005

7,240 | 7,240 | 7,240

DOD Sections

Census Tracts

Functional Classification

PRINCIPAL ARTERIAL (2)

National Highway System (NHS)

ON NHS (1)

Previous Projects: Project No., Date and Limits

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

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

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

(19H–01–70, 1971) 20.39 | 20.50 | SDR–3(16), 1951 | 19H–02–82M, (R), 1982 25.69 | 19H–01–91M, (R), 1991 26.66 | 26.68 | 19GHJ–01–78M, (R), 1978 27.71 | (TRUCK CLIMB LANE) | 19G–01–72, (R), 1972 | 19G–01–85, 1986, TRUCK CLIMB LANE

(SDR–3(15), 1950) 20.29 | 20.58 (SDR–3(3), 1948) | SDR–3(22), 1948 23.14 SDR–3(5), 1955 | SDR–3(17), 1953 | SDR–3(18), 1955 | F–019–2(2), 1957

SCALE: (In Miles) 2" = 1 mile

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

ROAD INVENTORY

HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

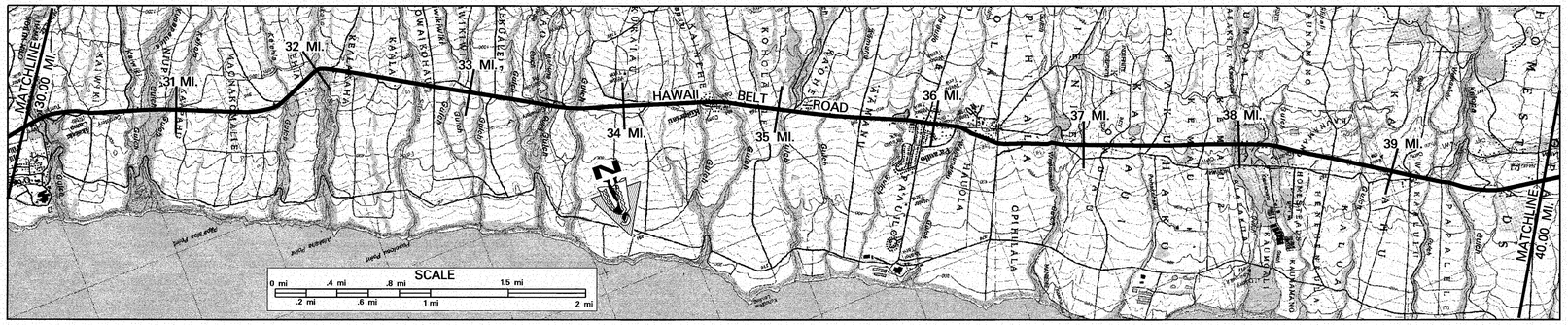
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

19G (12.57 MILES)

Structure Carrying Road

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

CONC. BOX GIRDER 1959, HS-20 — 356'

CONC. MASONRY ARCH 1935, H-15 — WIDEN IN 2005 HL-93 — 353' — 225'

TEE BEAM 1935, H-15 — 483' — 215' — 77'

STEEL MULTISTRINGER 1951, H-20 — 43' — 381'

PRESTRESSED CONC. GIRDER, 1985, HS-20 – 44 (BOTH BRIDGES) — 151' — 253'

TEE BEAM, 1928, H-15 — 40'

PRESTRESSED CONC. GIRDER 1982, HS-20-44 — 168'

PRESTRESSED T - BEAM 1981, HS-20-44 — 242'

CONC. BOX GIRDER 1959, HS-20 — 190'

TEE BEAM 1959, HS-20 — 85'

CONC. BOX GIRDER 1959, HS-20 — 331'

Vertical Clearance — 28' 40' 22' 22' 22' 22' 28' 28' 48' 48' 24' 48' 24' 28' 28' 28'

Horizontal Clearance — 21' 01" — 16' 02"

Structure Over Road

Vertical Clearance — 42' — 46'

Horizontal Clearance

Right of Way Width (min.–max.) if varies — 100' – 140' (30.69) | 70' – 95' (32.83) | 100' – 200' (33.24) | 70' – 100' (36.87) | 100' – 150' (38.77) | 100' – 270'

Available Right of Way Width (Needs Study) — BUSHES, TREES, CANEFIELD (30.77) — 1000' CLEAR, PASTURE GRASSLAND WITH SMALL TREES 20' FROM PAVEMENT

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

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C) — BR-019-2(38), BRIDGE WIDENING, 2005 — (278 + 4.25) 30.69 — (269 + 10.76) 30.86 — (BRF-019-2(14), 1981) — 13 + 46.80

Project No., Type of Construction, and Year Constructed — STP-019-2(37) RESURFACE 1997 — 169 + 15 (32.79) — NH-019-2(55), (R), 2007 — 36.73 — 19G-01-99M RESURFACE 2000

Project No., Type of Construction, and Year Constructed

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUE FROM SHEET #4

Kaula Bridge — Ookala Plant. O.P. — 30.05 mi. — 30.02 mi.

Paved Road — Mamalahoa Hwy — 30.38 mi. — 30.39 mi.

Kupapaulua Bridge — 30.88 mi. — 30.74 mi.

Kahoio Bridge — 31.92 mi. — 31.67 mi.

Keelakeha Bridge — 32.58 mi. — 32.75 mi.

Kaala Bridge — 33.00 mi. — 32.82 mi.

Culvert — 33.75 mi. — 33.60 mi.

Kekuelele Bridge — 34.12 mi. — 33.91 mi.

Kukalau Bridge Culvert — 34.45 mi. — 34.10 mi.

Mohuna Bridge — 34.74 mi. — 34.56 mi.

Paved Road — 35.05 mi. — 34.98 mi.

Paved Road — 35.30 mi. — 35.03 mi.

Paved Road — 35.48 mi. — 35.25 mi.

Kalapahapuu Bridge — 35.70 mi. — 35.48 mi.

Kainehe Bridge — 35.89 mi. — 35.75 mi.

Kawaili Bridge — 36.08 mi. — 35.89 mi.

Tractor Xing — 36.16 mi. — 36.08 mi.

Aamanu Bridge — 36.40 mi. — 36.16 mi.

Kaohe Road — 36.54 mi. — 36.40 mi.

Paved Road — 36.74 mi. — 36.54 mi.

East Pauulio Bridge — 38.59 mi. — 36.74 mi.

Paved Road — 39.75 mi. — 38.59 mi.

Pauulio Ped. Overpass — 39.90 mi. — 39.75 mi.

Paved Road — Hawaii Belt Road — 39.90 mi.

Paved Road — Mamalahoa Highway — 39.90 mi.

Pohakea Road — 39.90 mi.

Plantation Road — 39.90 mi.

Mamalahoa Highway — 39.90 mi.

Waipunahina Bridge — 39.90 mi.

Kaumoeili Bridge — 39.90 mi.

Unnamed Road — 39.90 mi.

Paved Road — 39.90 mi.

Kalopa Road — 39.90 mi.

Kalopa Bridge — 39.90 mi.

Papaulu Le Le Drive — 39.90 mi.

Papaulu Le Le Drive — 39.90 mi.

Paved Road — 39.90 mi.

CONTINUE ON SHEET #6

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type — 4' AC — 5' – 7' AC — 4' AC — 8' AC — 6'–8' AC — 4' AC — 5' AC — 4' AC — 10'–30' AC — 4' AC — 8' – 14' AC — 4' AC

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

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

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

Divided Highway – Median

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 (1)

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 02683 — B71 0019 03530 — B71 0019 03640

HPMS Sections – AADT 2007 — 7,375 — 7,375 — 7,375

HPMS Sections – AADT 2006 — 7,300 — 7,300 — 7,300

HPMS Sections – AADT 2005 — 7,240 — 7,240 — 7,240

DOD Sections

Census Tracts

Functional Classification — PRINCIPAL ARTERIAL (2)

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

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

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.

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

ROAD INVENTORY
HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
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Total Route Length: 99.59 miles
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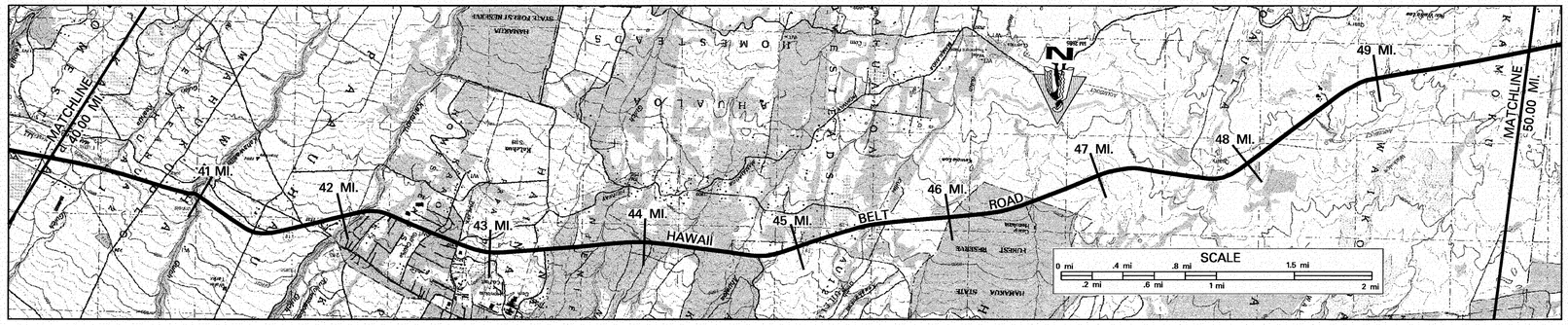


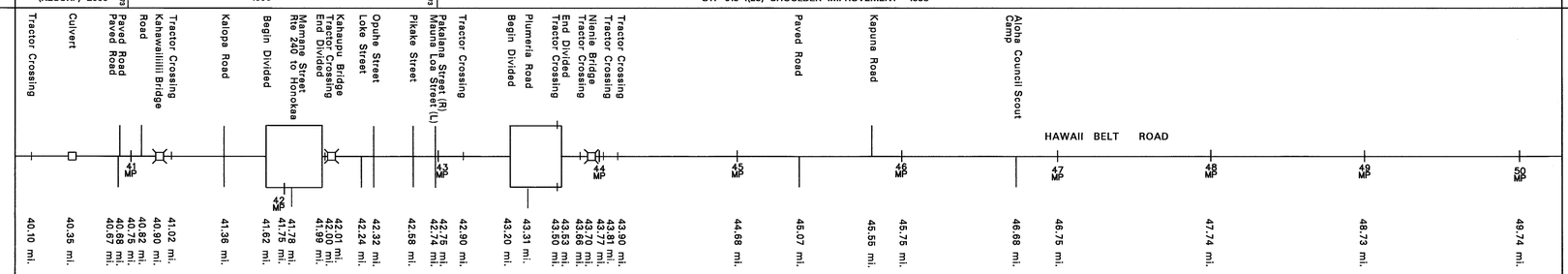
SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description	19G (12.57 MILES) · END 19F & BEGIN 19G ON MAMALAHOA HIGHWAY AT THE CENTERLINE INTERSECTION WITH MAMANE ST. · 19F (10.05 MILES)
Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed	CONC. BOX GIRDER 1959 HS–20 217' · TWIN BOX CULVERT 1953 HS–20 27' · CONC. BOX GIRDER 1963 HS–20 166'
Structure Carrying Road — Vertical Clearance	
Structure Carrying Road — Horizontal Clearance	28' · 36' · 28'
Structure Over Road — Vertical Clearance	
Structure Over Road — Horizontal Clearance	
Right of Way Width (min.–max.) if varies	VARIES 100' – 270' · VARIES 100' – 180' · VARIES 80' – 185'
Available Right of Way Width (Needs Study)	CLEAR 1000' PASTURE GRASSLAND WITH SMALL TREES 20' FROM EDGE OF PAVEMENT (CLEAR 1000' GRASS & SMALL TREES)
Right of Way Fence: Type – Right and Left	WIRE ON WOOD 20' FROM EDGE OF PAVEMENT LEFT AND RIGHT
Control of Access: 1–None, 2–Partial, 3–Full	NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	STATE
Project No., Type of Construction, and Year Constructed	19G–01–99M (RESURF) 2000 · STP–019–1(17) RESURF. 1996 · 19F–01–97M RESURF. 1999
Project No., Type of Construction, and Year Constructed	STP–019–1(25) SHOULDER IMPROVEMENT 1998

Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP = Milepost Signage

CONTINUE FROM SHEET #5



CONTINUE ON SHEET #7

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 · 6'– 8' AC · 4'–6' AC · 0 · 4'–6' AC · 6' AC · 0 · 6' AC
Median: Width and Type	6'– 16' PAINTED AC · 12' PAINTED AC
Median Barriers:	
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 · 1–13' (L) T.L. · 1–12' (L) T.L.
(Right Side)	
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	
Curb and/or Gutter: Type (Right and Left)	
Protective Devices: Type, Location and Number	METAL ON METAL · METAL RAILS ON CONCRETE POST M/M
Illumination: Type, Location and Number	
Curves: Degree of Curvature (Right and Left)	
Superelevation (Range)	
Grades: % Grade, Positive or Negative	
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	RURAL (1)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	ROLLING
Speed: 1–Design, 2–Posted	55 MPH (MIN. 40 MPH) (2) · 55 MPH (2) · 45 MPH (2) · 55 MPH (MIN. 40 MPH) (2) · 55 MPH (MIN. 40 MPH) (2) · 55 MPH (2) · 45 MPH (MIN. 40 MPH) (2) · 55 MPH (MIN. 40 MPH) (2)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Stations (Current Year)	B71 0019 03640 40.75 · B71 0019 04136 42.63 · B71 0019 04274 46.75 · B71 0019 04774 48.40 · B71 0019 04873
HPMS Sections – AADT 2007	7,375 · 7,780 · 8,990 · 9,090 · 9,090
HPMS Sections – AADT 2006	7,300 · 7,700 · 8,900 · 9,000 · 9,000
HPMS Sections – AADT 2005	7,240 · 7,660 · 8,830 · 8,950 · 8,950
DOD Sections	
Census Tracts	
Functional Classification	PRINCIPLE ARTERIAL (2)
National Highway System (NHS)	ON NHS (1)
Previous Projects: Project No., Date and Limits	STP–019–1(17) RESURF. 1996 · STP–0100(31), GUARDRAIL IMPROVEMENT 1994 · 19EF–01–89M (RESURF) 1990 · 19G–02–88M RESURF. · 19FG–01–81M RESURF. 1982 · SDR 3(7) 1952 & 1953 · 19G–01–74 1974 · F–019–2(6) 1958 · F–019–1(1), UNIT 2 1961 · 19F–01–78M 1978 (R) · F–019–1(5) 1986 Inter. Impr. · F–019–1(1), UNIT 2 1961

SCALE: (In Miles) 2" = 1 mile

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

ROAD INVENTORY

HAWAII RTE 19

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

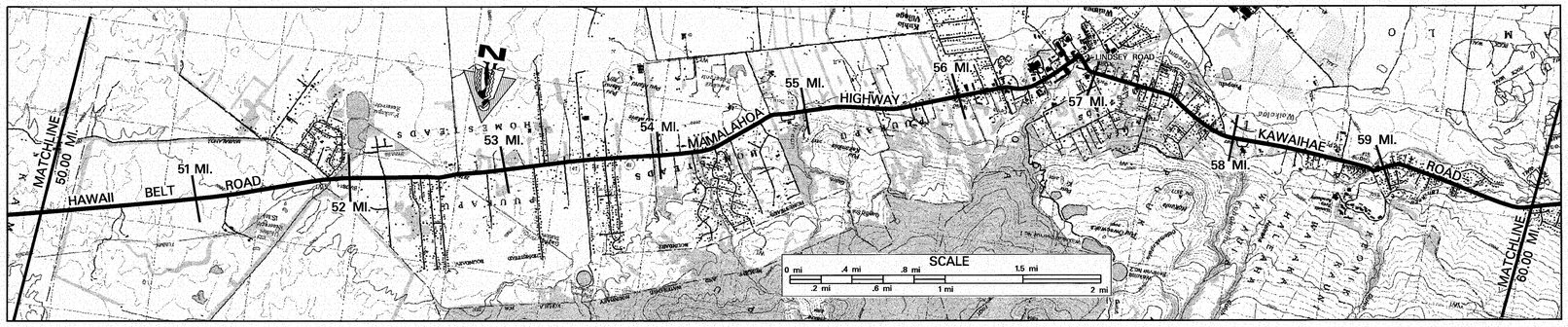
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

Structure Carrying Road

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

Vertical Clearance — (44') | (24')

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

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

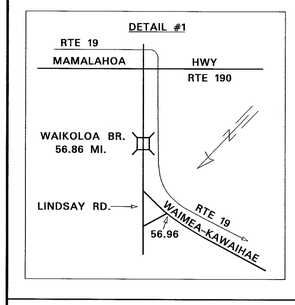
Right of Way Fence: Type – Right and Left — WIRE ON WOOD 20' FROM EDGE OF PAVEMENT LEFT AND RIGHT

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

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

Project No., Type of Construction, and Year Constructed — 19F–01–97M (RESURF) 1999 | STP-0100(42) COUNTY RESURF (MPR) 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

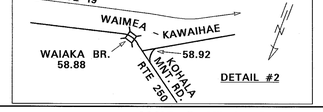
Project No., Type of Construction, and Year Constructed — STP-019-1(25) 1998 SHLDR IMPR | 19EF–01–89M (RESURF) 1990 | WDR 2(1) 1947 | 19D–01–91M (RESURF) 1992 | 19D–01–96M RESURF 1998



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 Golf Course Road to Waimea C.C. | Culvert End Divided | Culvert | Mud Lane (R) Mamalahoa Hwy (L) | End State Hwy Sign | Ke Kahiu Street (R) Kipuulu Street (L) | Nuuanu Street Noeknoek Street Kaiwiki Street Puanuanu Place | Road to U.H. Exp. Station | Kauaiea Street | Kalaka Street Nani Waimea Street | White Road | Kipahele Street (L) Hoohoa Street (R) | Culvert | Culvert Hohale Drive | Iotua Place Puanani Street | End Divided Hwy/ Culvert Begin Divided Mokuloa Drive Begin Divided | Kekamilie Road | Road | Akakahiawa Road | Iona Court | Weliakeahua Place | Kiholo Street | Kamamalu Street Kiholo Bridge (Route 190) | Lindsey Road Mamalahoa Hwy (Route 190) | Culvert Lighthouse Rd. Puuanani Road SEE DETAIL #1 | Paved Road | Paved Road | Opelo Road | Ho'okiba Road | Kanana Road | Puu Opelu Road | Laeiae Road | Begin & End State Hwy Signs | Road Ko Uka Street | Private Road | Begin Divided End Divided Begin Divided | Paved Road Kohala Mountain Road | Weliake Road Kohala Mountain Road End Divided Paved Road Begin Divided | Akuiani Street | SEE DETAIL #2

50.48 mi. | 50.71 mi. | 51.08 mi. | 51.17 mi. | 51.28 mi. | 51.32 mi. | 51.47 mi. | 51.74 mi. | 51.82 mi. | 52.07 mi. | 52.19 mi. | 52.36 mi. | 52.47 mi. | 52.53 mi. | 52.64 mi. | 52.76 mi. | 53.03 mi. | 53.16 mi. | 53.23 mi. | 53.48 mi. | 53.68 mi. | 53.82 mi. | 53.75 mi. | 54.06 mi. | 54.19 mi. | 54.21 mi. | 54.33 mi. | 54.44 mi. | 54.61 mi. | 54.67 mi. | 54.73 mi. | 54.79 mi. | 54.98 mi. | 55.23 mi. | 55.41 mi. | 55.67 mi. | 55.76 mi. | 55.88 mi. | 56.14 mi. | 56.25 mi. | 56.31 mi. | 56.52 mi. | 56.60 mi. | 56.81 mi. | 56.83 mi. | 57.24 mi. | 57.36 mi. | 57.46 mi. | 57.48 mi. | 57.60 mi. | 57.71 mi. | 57.77 mi. | 57.90 mi. | 58.19 mi. | 58.24 mi. | 58.36 mi. | 58.60 mi. | 58.69 mi. | 58.76 mi. | 58.82 mi. | 58.88 mi. | 59.38 mi. | 59.78 mi.

CONTINUE ON SHEET #8

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type — 6' AC | 12' – 24' GRASS | 10" AC | 20' AC | 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 | 22" AC | 20' AC | 10" AC | 20' AC | 11' AC | 22" 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' GRASS | 4'–6' DIRT | 12' – 24' GRASS | 0 | 12'–24' GRASS | 12" AC | 4" AC | 11' DIRT | 0 | 10" AC | 6' AC | 4' AC | 4'–6' AC | 0 | 4'–6' AC | 5' AC | 4' AC | 10' AC

Median: Width and Type — 6'–12" PAINTED AC | 4'–10' DIRT | 12' – 24' GRASS | 4" PAINT | 2'–12" PAINTED AC | 8"–10" RAISED CONC | 12' PAINTED AC | 0–10" AC

Median Barriers: — 2'–12" PAINTED AC | 2'–12" CONC | 2" PAINT | 2" AC | 2" PAINT | 2'–12" CONC | 2'–12" PAINTED AC

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

Pavement: Width and Type — 12' AC | 10" AC | 11' AC | 11' AC

Shoulder: Width and Type — 6' AC | 4'–8" AC | 8" AC | 0 | 4'–6" AC

Number of Traffic Lanes — 2 – 12' | 2–11' | 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) — 4' | 6" | 5' | 8" CONCRETE SIDEWALKS

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

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

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

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: — RURAL (1) | SMALL URBAN (2)

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year) — B71 0019 04873 | B71 0019 05182 | B71 0019 05567 | B71 0019 05652 | B71 0019 05681 | B71 0019 05788 | B71 0019 05892

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

HPMS Sections – AADT 2006 — 9,000 | 15,000 | 16,600 | 20,100 | 17,900 | 15,000 | 9,300

HPMS Sections – AADT 2005 — 8,950 | 14,890 | 16,480 | 19,900 | 17,740 | 14,830 | 9,190

DOD Sections

Census Tracts

Functional Classification — PRINCIPAL ARTERIAL (2) | PRINCIPAL ARTERIAL (14)

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 | 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

Date Released
Feb 2006, D.B.

Revised	
G.N.	4 / 06
D.B.	*1/08*
D.B.	*4/09*

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

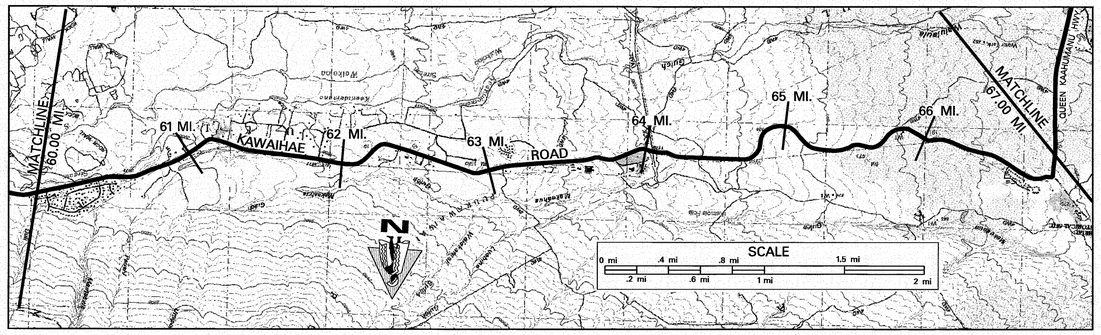
Total Route Length: 99.59 miles

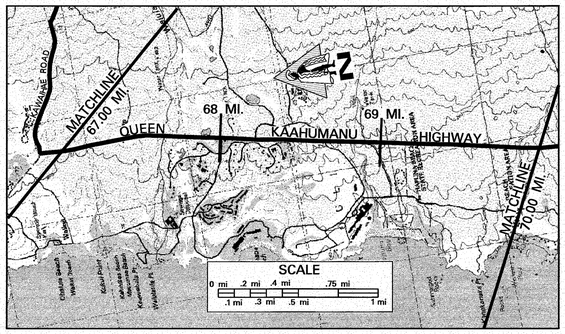
a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*





SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70

19D (8.92 MILES) — END 19C – BEGIN 19D ON QUEEN KAAHUMANU HWY AT CENTERLINE OF KAWAIHAE-MAUKONA ROAD (66.82) — 19C (15.04 MILES)

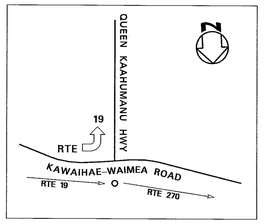
Structure Carrying Road

- 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′ (66.63) | 80′ – 145′ (66.63) | 340′ – 420′ (69.95)
- 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 (63.16) | WIRE ON WOOD 20′ FROM EDGE OF PAVEMENT (63.67)
- 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 2 (89+70)
- 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 (143+00) | 91+33 | (19C–01–76M RESURF 1977) NH–019–1(28), GUARDRAIL & SHOULDER IMPRV., 2006 | (19C–01–94M, 1994 SHLDR IMPROV) 1505+00 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 (143+00) | 19C–01–78 1978 SHLDR. STAB. | 19C–01–78 1978 SHLDR. STAB. | NH–019–1(28), GUARDRAIL & SHLDR IMPR 2004 | 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. (61 MP) | Electric Power Sub–Station 60.75 mi. | Ouli Street 60.91 mi. | Kanehoa Street 61.58 mi. (62 MP) | 61.77 mi. | 61.81 mi. | Kahinu Place 62.36 mi. | Anekona Street 62.67 mi. (63 MP) | 62.77 mi. | Waiula Drive 63.24 mi. | Waiemi Street 63.75 mi. (64 MP) | 63.83 mi. | Tractor Crossing 64.30 mi. | (195+00) 64.77 mi. (65 MP) | Entrance to Water Supply Tank 65.77 mi. (66 MP) | Hulukupuna Street 66.50 mi. | Begin Divided 66.71 mi. | SEE DETAIL Kawaihae Road (Rte 270) and End Divided 66.76 mi. | Culvert 67.10 mi. | Culvert 67.21 mi. | Begin Divided 67.85 mi. (68 MP) | Mauna Kea Beach Hotel Road 67.95 mi. | End Divided 68.16 mi. | Kauna 'Oa Drive/King Kaumana Hotel and Golf 68.31 mi. | Kea Kea Lani Bridge 68.57 mi. | Begin Divided 68.74 mi. | Hapuna Bay Drive 68.93 mi. (1507+75) | End Divided 69.20 mi. | 70 MP 69.77 mi.

KAWAIHAE ROAD — QUEEN KAAHUMANU HIGHWAY

CONTINUE ON SHEET #9

SCALE: (In Miles) 2" = 1 mile

60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70

Divided Highway

		60	61	62	63	64	65	66	67	68	69	70
Undivided	Shoulder: Width and Type	4′ AC	10′ AC	4′ AC	10′ AC	4′ AC	10′ AC	4′ AC	10′ AC	4′ AC	4′–10′ AC	12′ AC (10′ GRV)
Undivided	Pavement: Width and Type	20′ AC			22′ AC		24′ AC	22′ AC	24′ AC	22′ AC	24′ AC	12′ AC (6′ AC/4′ SEAL COAT)
Undivided	Shoulder: Width and Type	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)
Divided	Median: Width and Type											0
Divided	Median Barriers:											6′ AC/4′ SEAL COAT
Divided	Shoulder: Width and Type											(12′ AC)
Divided	Pavement: Width and Type											0
Divided	Shoulder: Width and Type											12′ AC (6′ AC/4′ SEAL COAT)

	60	61	62	63	64	65	66	67	68	69	70
Divided Highway									0 – 11′ PAINTED MEDIAN	0 – 11′ PAINTED MEDIAN	
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)											
Protective Devices: Type, Location and Number (ALL METAL ON METAL UNLESS INDICATED)	BITUMINOUS CURB								(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 (2))		RURAL (1)								SMALL URBAN (2)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous					R O L L I N G						
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 06002			63.44 B71 0019 06036						B71 0019 06679
HPMS Sections – AADT 2007	(9,395)	8,990			8,990						11,920
HPMS Sections – AADT 2006	(9,300)	8,900			8,900						11,800
HPMS Sections – AADT 2005	(9,190)	8,820			8,820						11,730
DOD Sections											
Census Tracts											
Functional Classification	(PRINCIPLE ARTERIAL (14))				PRINCIPLE ARTERIAL (2)						PRINCIPLE ARTERIAL (14)
National Highway System (NHS)					ON NHS (1)						
Previous Projects: Project No., Date and Limits	(19D–01–90M (R) 1991)				(19D–01–90M RESURF 1991)						19C–01–94M 1994 SHLDR IMPROV
					(HES–0100(28) PHASE 2 SAFETY IMPROV 1987)				NH–019–1(28), GUARDRAIL & SHOULDER IMPRV., 2006		(NH–019–1(31) GUARDRAIL & SHLDR IMPR 2004)
	(19D–01–90M (R) 1991)				19CD–01–97M RESURFACE 1999						
	(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–1TC 1933			FAP 11–8 1933						G–3257–01–60 1962

SCALE: (In Miles) 2" = 1 mile

Date Released	
Feb 2006, D.B.	
Revised	
G.N.	4 / 06
D.B.	1/07
D.B.	2/08

ROAD INVENTORY

HAWAII RTE 19
QUEEN KAAHUMANU HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

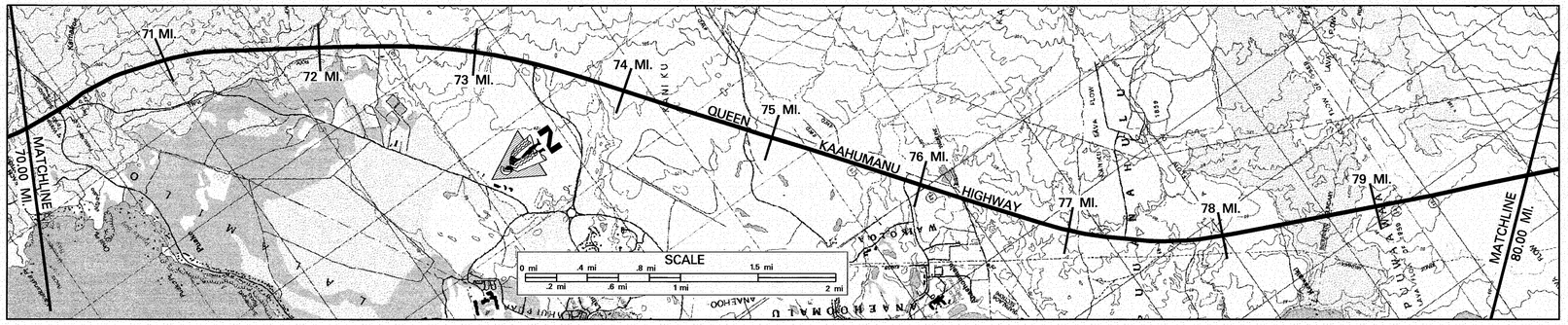
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

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'

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) (75.85)

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

CONTINUE FROM SHEET #8

Begin Divided — Driveway (L) — 1442 + 20 — 70.45 mi.
End Divided — 70.77 mi.
Road — 70.95 mi.
Road (R) (No Name) 70.17 mi.
Pueko Beach Dr. (R) 70.02 mi.
QUEEN — 71 MP
71.77 mi.
72 MP
Police and Fire Station Access Road — 1328 + 80 — 72.32 mi.
73 MP
72.77 mi.
Begin Divided — Driveway (L) — 1274 + 95 — 73.20 mi.
End Divided — 73.58 mi.
Mauna Lani Drive (R) 73.34 mi.
74 MP
73.77 mi.
Begin Divided — 1199 + 59.25 — Waikoloa Road — 74.50 mi.
End Divided — 74.78 mi.
75 MP
74.77 mi.
KAAHUMANU — 74.94 mi.
Begin Divided — 1143 + 50 — Waikoloa Beach Drive (Hilton Waikoloa Village Resort) — 75.68 mi.
End Divided — North Kona–South Kohala District Bdry. — 75.84 mi.
78 MP
75.78 mi.
76.17 mi.
77 MP
76.77 mi.
Begin Divided — Pu'u Pohaku Road — 1050 + 12 — 77.00 mi.
End Divided — 77.31 mi.
78 MP
77.52 mi.
HIGHWAY — 77.76 mi.
Culvert — 78.46 mi.
79 MP
78.75 mi.
80 MP
79.78 mi.

CONTINUE ON SHEET #10

SCALE: (In Miles) 2" = 1 mile

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

Divided Highway — Undivided

Shoulder: Width and Type	(6' AC/4' SEAL COAT) 6' AC/4' SEAL COAT 6' AC 6' AC 10' AC
Pavement: Width and Type	(24' AC) 12' AC 24' AC 12' AC 12' AC 24' 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 6' AC/4' SEAL COAT 0 6' AC 6' AC 0 6' AC 10' AC 0 10' AC
Median: Width and Type	(6' AC/4' SEAL COAT) PAINTED MEDIAN 0 – 12'
Median Barriers:	
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 (2)

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

ROLLING (2)

Speed: 1–Design, 2–Posted

55 MPH (2) | 45 MPH (1) (74.83 – 76.06) | 55 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

3 PHASE (74.77) 3 PHASE (76.84) 3 PHASE

Traffic Stations (Current Year)

B71 0019 06679 71.77 | B71 0019 07334 73.77 | B71 0019 07477 75.55 | B71 0019 07584 79.78

HPMS Sections – AADT 2007

11,920 | 11,920 | 14,545 | 14,545

HPMS Sections – AADT 2006

11,800 | 11,800 | 14,400 | 14,400

HPMS Sections – AADT 2005

11,730 | 11,730 (73.34) | 14,280 (74.77) | 14,280 (76.84)

DOD Sections

Census Tracts

Functional Classification

PRINCIPAL ARTERIAL (14)

National Highway System (NHS)

ON NHS (1)

Previous Projects: Project No., Date and Limits

19C–01–94M 1994 SHOULDER IMPROVEMENT (72.76)
19BC–01–71 PHASE IIIA 1975 PAVING (72.76)
G–3257–01–60 1962 (70.57) (200 + 31.87) (1425 + 72.99)
19C–01–91M 1992 SHOULDER IMPROVEMENT (74.64)
19 BC–01–71 (PHASE IIIA) (GRADING) 1974 (1198 + 50)
(75.82) STP–019–1(23) 1997 SHOULDER IMPROVEMENT
19BC–01–71 (PHASE III B) (GRADING 1974 AND PAVING 1975) (1275 + 72.02) (74.87) (1142 + 00) (76.84)

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 2008
D.B.	1/07
D.B.	3/08

ROAD INVENTORY
HAWAII RTE 19
QUEEN KAAHUMANU HWY

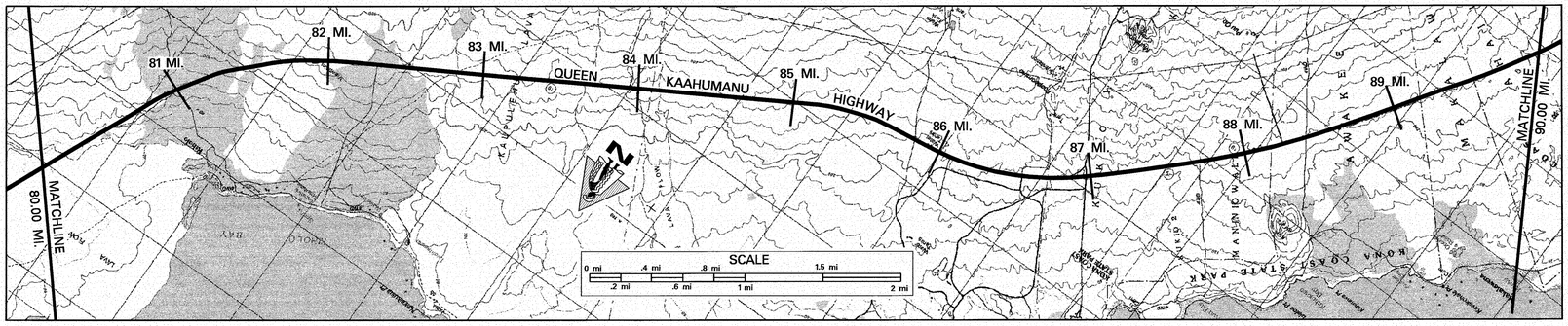
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

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

*



SCALE: (In Miles) 2" = 1 mile

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

Maintenance Control Sections : Length and Description

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

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

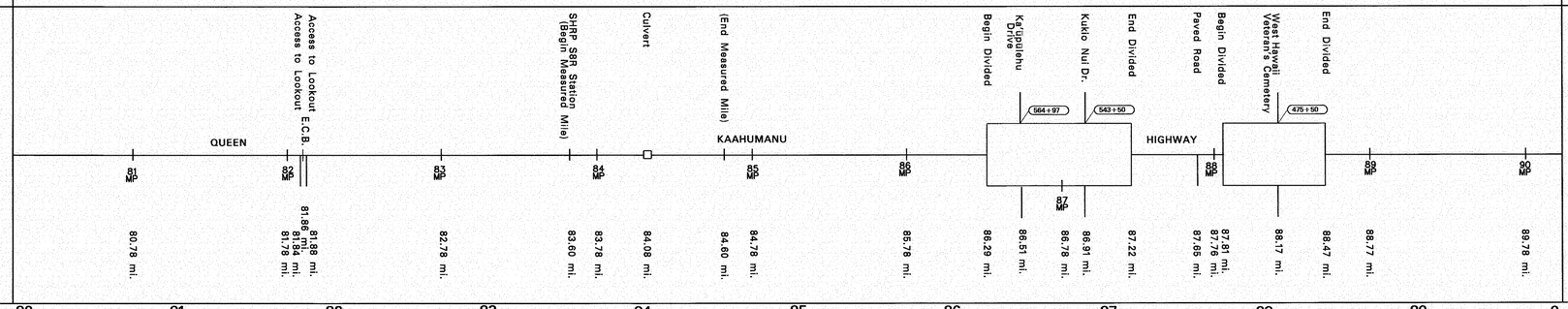
Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies	310' – 390'
Available Right of Way Width (Needs Study)	CLEAR 1000' – LAVA ROCK 8' – 10' FROM EDGE OF PAVEMENT
Right of Way Fence: Type – Right and Left	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

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

Divided Highway – Undivided

Shoulder: Width and Type	10' 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 | 10' AC | 0 (10' AC) 12' AC 30' AC (12' AC) 0 | 10' AC
Median: Width and Type	0'–12' PAINTED AC | 0'–24' PAINTED AC | 0'–18' PAINTED AC
Median Barriers:	
Shoulder: Width and Type	0 | 0
Pavement: Width and Type	8'–10' AC | 12' AC 24' AC 12' AC | 12' AC
Shoulder: Width and Type	8' AC 10' AC | 12' AC 8'–10' AC

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
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)
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 07584 | B71 0019 08578 | B71 0019 08691
HPMS Sections – AADT 2007	14,545 | 14,545 | 14,545
HPMS Sections – AADT 2006	14,400 | 14,400 | 14,400
HPMS Sections – AADT 2005	14,280 | 14,280 | 14,280
DOD Sections	
Census Tracts	
Functional Classification	PRINCIPAL ARTERIAL (14)
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

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

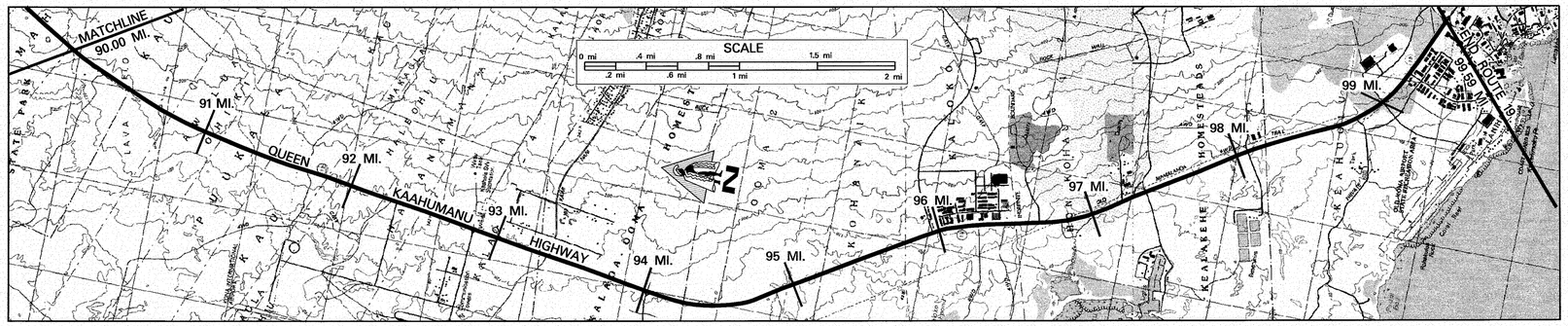
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

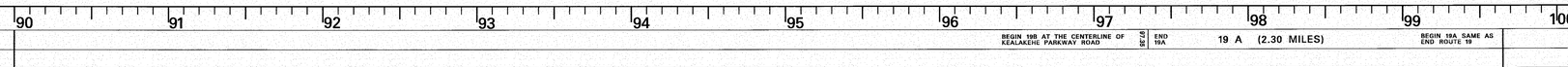
b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile



Maintenance Control Sections : Length and Description

Structure Carrying Road

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

Structure Over Road

- Vertical Clearance
- Horizontal Clearance

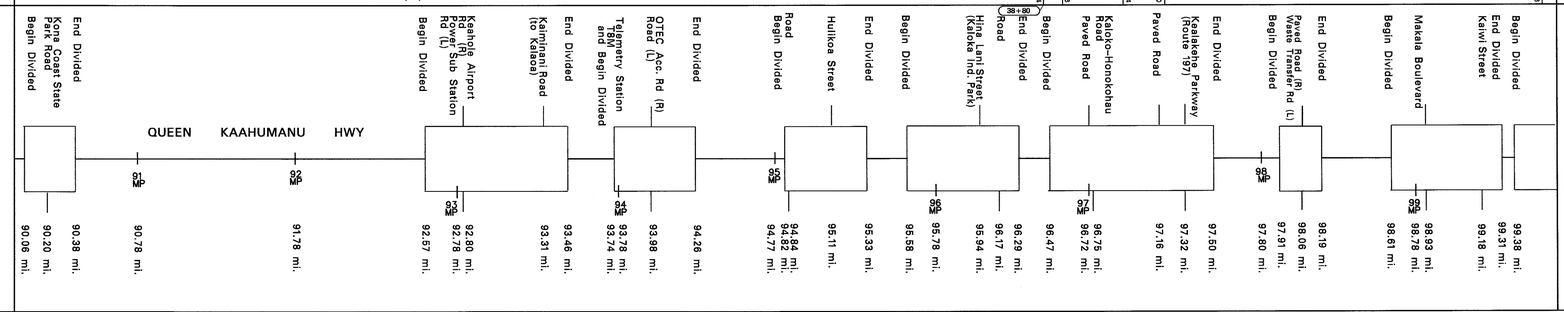
Right of Way Width (min.–max.) if varies	310' – 390' (89.28) 300'
Available Right of Way Width (Needs Study)	CLEAR 1000' – LAVA ROCK 8' – 10' FROM EDGE OF PAVEMENT
Right of Way Fence: Type – Right and Left	N O N E
Control of Access: 1–None, 2–Partial, 3–Full	N O N E
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	S T A T E (97.26) COUNTY TO STATE, PHASE 3
Project No., Type of Construction, and Year Constructed	(NH–019(33), RESUR., 2005) (BD–69–352, PAVING 1969) 19A–01–97M RESURFACE 2000
Project No., Type of Construction, and Year Constructed	NH–019–1(31) GUARDRAIL AND SHOULDER IMPROVEMENT 2004

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUE FROM SHEET #10



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

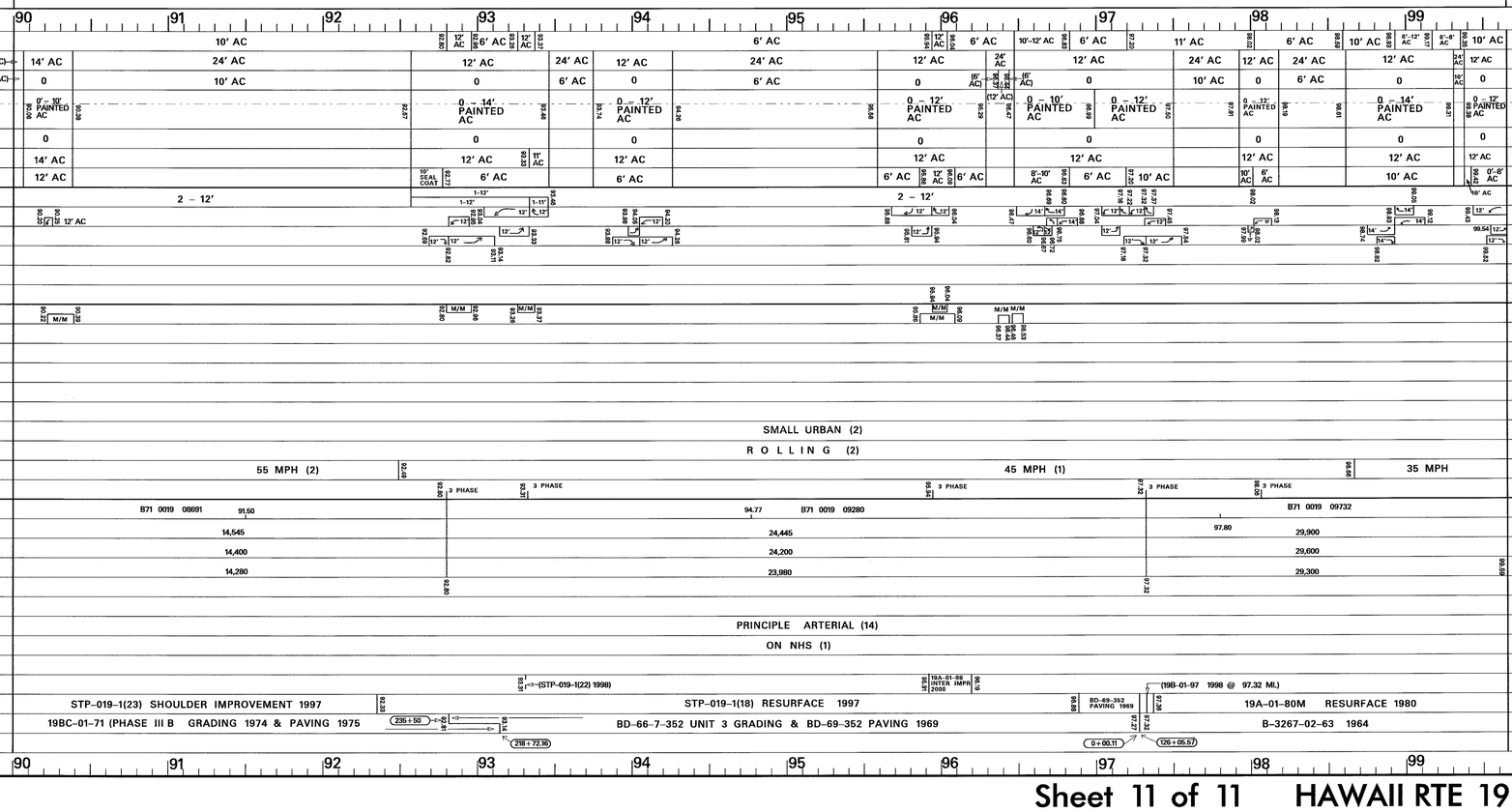
END ROUTE 19 ON QUEEN KAAHUMANU HIGHWAY AT THE NORTHWEST EDGE OF PAVEMENT OF PALANI ROAD (ROUTE 190)
99.59 MILES

SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided

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



Number of Traffic Lanes	2 – 12' (93.46) 2 – 12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	12' AC (92.89) 1–12' 1–11' 12' 12' (93.46) 13' 12' 12' 12' 12' 14' 14' 12' 12' 12' 14' 14' 12' 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)	
Protective Devices: Type, Location and Number (M/M = METAL RAILS ON METAL POST)	M/M (90.22 90.38) M/M (92.40 92.58) M/M (93.08 93.27) M/M (96.36 96.50) M/M (96.50) M/M M/M (96.58 96.77)
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)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	R O L L I N G (2)
Speed: 1–Design, 2–Posted	55 MPH (2) (93.46) 45 MPH (1) (96.46) 35 MPH
Intersection Control Devices: Type, Location and Cycle Timing	3 PHASE (92.80) 3 PHASE (93.31) 3 PHASE (96.34) 3 PHASE (97.26) 3 PHASE (98.02)
Traffic Stations (Current Year)	B71 0019 08691 91.50 B71 0019 09280 94.77 B71 0019 09732 97.80
HPMS Sections – AADT 2007	14,545 24,445 29,900
HPMS Sections – AADT 2006	14,400 24,200 29,600
HPMS Sections – AADT 2005	14,280 (92.00) 23,980 (97.32) 29,300 (99.59)
DOD Sections	
Census Tracts	
Functional Classification	PRINCIPLE ARTERIAL (14)
National Highway System (NHS)	ON NHS (1)
Previous Projects: Project No., Date and Limits	(STP–019–1(22) 1998) (93.31) (19A–01–98 INTER. IMPV. 2000 96.51) (19B–01–97 1998 @ 97.32 MI.)
	STP–019–1(23) SHOULDER IMPROVEMENT 1997 (92.33) STP–019–1(18) RESURFACE 1997 (96.89) BD–69–352 PAVING 1969 (97.26) 19A–01–80M RESURFACE 1980
	19BC–01–71 (PHASE III B GRADING 1974 & PAVING 1975 (235+50 92.58) (218+72.16 93.34) BD–66–7–352 UNIT 3 GRADING & BD–69–352 PAVING 1969 B–3267–02–63 1964 (0+00.11 97.32) (126+05.57)

Date Released
Feb 2006, D.B.

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

ROAD INVENTORY

HAWAII RTE. 130
KEA'AU–PAHOA RD.

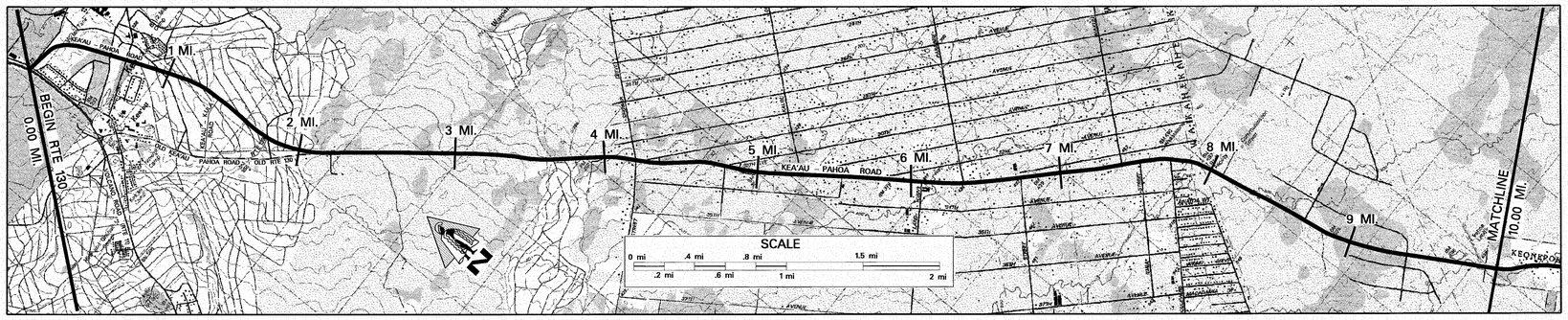
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length:	25.32	MILES (a+b)
a. Existing Length:	25.32	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	21.83	MILES (a+b, less c)
a. Existing Length:	21.83	MILES
b. Temporary Length:	0.00	MILES
c. Length used as T.W. for another Route:	0.00	MILES (–)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

130 B (12.12 mi.)

Structure Carrying Road

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

3 – 72" Pipe Culvert 27' 0.35 | 4 – 70" Pipe Culvert 29' 0.89 | 4 – 44" Arch Culvert 30' 1.09 | Triple Box Culvert 36' 1.86 | Conc. Rigid Frame HS – 20, 1968 86' 3.78

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

150' – 220' (2.33) | 80' – 130' (5.38) | 50' | 80' (9.87) Residential Area

Available Right of Way Width (Needs Study)

Clear 1000' – Small Trees & Bushes – 8' From Pavement.

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, 6.51) | RS–0130(24), Widen & Resurf., 2003 | 130B–01–72, Resurf.,1972 (9.87) | (STP–0130 (25), Resurf, 1996)

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage

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

Culvert 0.27 mi. | Paved Road (Rd. C) 0.35 mi. | Milo Street 0.72 mi. | Culvert 0.88 mi. | Culvert 1.01 mi. | Culvert 1.09 mi. | Culvert 1.21 mi. | Culvert Kea'au Kula Road (High School Rd.) 1.38 mi. | Culvert 1.41 mi. | Culvert Kea'au Access to Old Kea'au – Pahoa Rd. (Rte 19) 1.79 mi. | Culvert 1.86 mi. | Speed Station C2F End Divided Waste–station Rd. 2.00 mi. | Gulvanize Rd. 2.20 mi. | Humane Society 2.26 mi. | 2.34 mi. | 2.46 mi. | 2.51 mi.

Indicates Grass & / or Physical Barrier on Median.

3MP 3.67 mi. | Waiohonohoe Bridge 3.78 mi. | Begin Divided Paved Road 4.01 mi. | Shower Dr. (L) (R) 4.20 mi. | End Divided Ponoku Cr. 4.38 mi. | Paved Rd. 4.69 mi. | 4MP 4.67 mi. | Begin Divided Ponoku Pl. 4.71 mi. | End Divided Ponoku St. 4.78 mi. | Begin Divided 4.88 mi. | End Divided 5.09 mi. | Begin Divided Kaloli Dr. 5.28 mi. | End Divided 5.36 mi. | Pohaku Circle 5.55 mi. | 5MP 5.67 mi. | Begin Divided Orchid Land Dr. 5.97 mi. | End Divided 6.07 mi. | Paradise Dr. 6.34 mi. | Begin Divided 6.44 mi. | Aulii St. 6.59 mi. | 6MP 6.71 mi. | End Divided 6.88 mi. | Begin Divided 7.20 mi. | Illimaa St. & Maku'u Dr. 7.38 mi. | End Divided 7.51 mi. | Begin Divided Ainaloa Blvd. 7.59 mi. | 7MP 7.71 mi. | End Divided 7.80 mi. | Rd. to Com. Sta. 7.83 mi. | Rd. to Power Sta. 7.90 mi. | End Divided 8.07 mi. | Begin Divided 8.49 mi. | End Divided Ka Ohi'walu 8.66 mi. | 8MP 8.78 mi. | Begin Divided 9.25 mi. | End Divided Kaliuwa'a St. (L) 9.37 mi. | Aulani Rd (R) 9.49 mi. | Begin Divided 9.79 mi. | 9MP 9.68 mi. | Water Tank Rd.

ROUTE CONTINUED ON SHEET #2

KEA'AU – PAHOA ROAD

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type — 10' AC

Pavement: Width and Type — (12'AC) 0.04 | 24' AC 2.15 | 12' AC | 24' AC | 8' AC | 8' Grv | 8' AC | 24' AC | 8' Grv | 8' AC | 8' (4'AC,4' Grv) | 10' AC (24' AC) 6.34 | (4'AC,4' Grv) 6.51 | 4' Grass 7.07 | 6' AC 9.87 | (8' Gravel)

Shoulder: Width and Type — 4' AC | 10' AC | 0 | 8' Grv | 0 | 8' Grv | 0 | 0 | 8' (4'AC,4' Grv) | 0 (4'AC,4' Grv) | 0 | 6' AC | 0 (6' AC) | 0 | 6' AC | 0 | 6' AC | 0 | 6' AC | (8' Gravel)

Divided Highway

Median: Width and Type — 10' Painted AC 0.94 | 10' Grass (Flush) 1.37 | (10' Paint) 1.66 | (12' Paint) 1.78 | Varies 0–22' Paint 2.07 2.10 2.48 | (12' Grass) (12' Grass) | 0'–12' Painted AC 4.01 4.38 | 0'–12' Paint ed AC 4.69 4.88 | 0'–12' Painted AC 5.09 5.36 | 0'–12' Painted AC 5.97 6.07 | 0'–18' Painted AC 6.44 6.59 | 0'–18' Painted AC 6.88 7.20 | 0'–18' Painted AC 7.51 7.59 | 0'–18' Painted AC 7.80 8.49 | 0'–18' Painted AC 8.78 9.25 | 0'–18' Painted AC 9.49

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

Pavement: Width and Type — 24' AC | 12' AC 2.04 | 12' AC | 14' AC | 12' AC | 12' AC | 12' AC (4'AC,4' Grv) 6.39 | 12' AC | 12' AC | 6' AC | 12' AC | 6' AC | 12' AC | 6' AC | 12' AC

Shoulder: Width and Type — 10' AC 0.04 2.04 | 8'–12' AC | 8'–12' AC | 8'–10' AC | 6' AC | 6' AC | 6' AC | 6' AC | 6' AC

Number of Traffic Lanes — (1–12') (2–12') 0.03 0.04 | 4 – 12' | (2–12') (1–12') 2.15 | 2 – 12' | 2–14' | 2 – 12' | (2 – 12') 9.87

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

(Right Side) — All Turning Lanes 12' — 0.15 | 4.09 12' T. Lns 4.32 | 5.16 5.31 5.38 | 6.07 6.20 6.34 6.46 6.59 6.82 | 7.20 7.27 7.36 | 7.51 7.66 7.71 7.83 (All T.Ls. 12') | 8.55 8.66 8.71 | 9.37 9.42 9.52

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number — All Metal on Metal — Metal on Concrete

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

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative — 2.40 –1 | 2.70 2.81 –2 | 3.00 3.10 +1 | 3.80 +.5 | 3.97 4.75 +1 | 4.92 5.20 –1 | 5.38 5.48 +2 | 5.80 6.23 +2 | 6.31 6.51 +1 | 6.69 6.88 –1 | 7.69 7.80 +1 | 8.68 8.85 –1 | 9.38 9.58 +2

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural (1) | Small Urban (2) | Rural (1)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous — 0.28 Rolling 2.34 | 3.30 Flat 4.20

Speed: 1–Design, 2–Posted — 35 MPH (1) | 45 MPH (1) 2.19 | 45 MPH When Shoulder Lane is open | 55 MPH (2) Minimum 40 MPH

Intersection Control Devices: Type, Location and Cycle Timing — 2.09

Traffic Stations (Current Year) — B71 0130 00000 1.50 | B71 0130 00220 3.99 4.60 | B71 0130 00399 | B71 0130 00771

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

HPMS Sections – AADT 2006 — 18,100 | 19,500 | 11,600

HPMS Sections – AADT 2005 — 17,890 2.20 | 19,260 | 11,470

Rush Hour Shoulder Lane — 2.34 North bound Shoulder Ln., 6:00–8:00 am, exc. Sat, Sun, & Hol. 4.20 | 7.71

DOD Sections

Census Tracts

Functional Classification — Minor Arterial (6) | 3.99 Minor Arterial (16) 7.71 | Minor Arterial (6)

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

Previous Projects: Project No., Date and Limits — (S–231(1) 1953) 9.93 9.91 | (S–0130(9) 1967) | 130B–01–72 (R) 1972 | (S–0130(9) 1966) 9.86 | S–0130(7) 1967 2.39 | S–231(1) 1952 5.41 | Sta 237+50 | Sta 0+00

SCALE: (In Miles) 2" = 1 mile

Date Released
Nov 2000

Revised	
Oct. 01	J.K.
Feb. 04	D.B.
May 04	D.B.
Sept 04	D.B.
7/06	D.B.
2/08	D.B.

ROAD INVENTORY

HAWAII RTE 130

KEA'AU–PAHOA RD., PAHOA–KALAPANA RD.

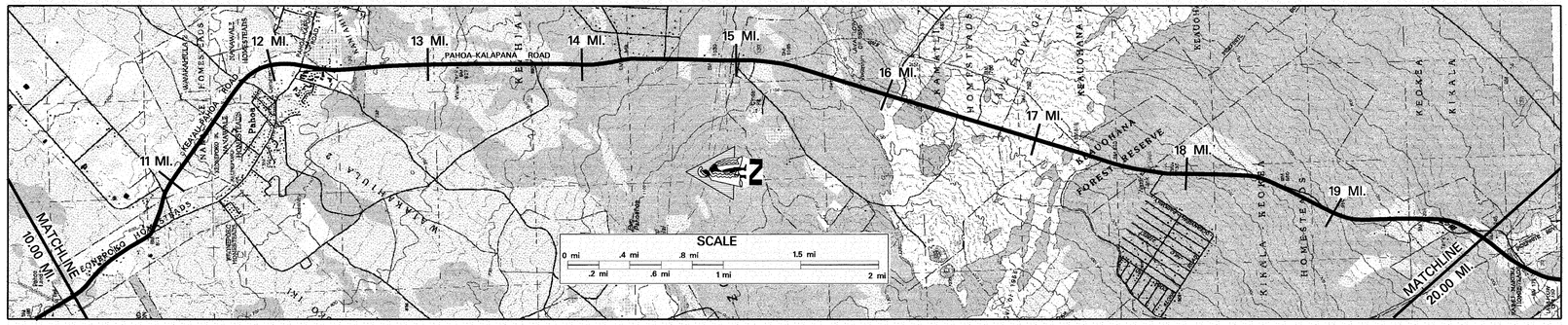
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

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

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

Structure Carrying Road

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

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

Right of Way Fence: Type – Right and Left (SW = Stone Wall): Chainlink Fence (12.27–12.24) | SW (19.83–19.83)

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

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

Project No., Type of Construction, and Year Constructed: (RS–0130(24), Widen & Resurf., 2003) (10.46–10.47) | STP-0130(25), Resurf, 1996 | RS – 0130(20), New Alignment, 1990 (12.38) | 130A–01–92M, Resurf, 1993 (17.42–17.40) | 130A–01–97M Resurfacing 1998 | S–0130(12) 1971

Project No., Type of Construction, and Year Constructed

ROUTE CONTINUED FROM SHEET #1

Road "A" (Rd. to Old Rte 130) Begin Divided Hwy. (10 MP, 10.69 mi., 10.53 mi.) | End Divided Hwy. Kahakai Blvd. (10.66 mi.) | Homestead Rd. (West) (11 MP, 11.68 mi., 10.97 mi., 11.42 mi.) | Homestead Rd. (East) (11.74 mi.) | Begin Divided Hwy. Pahoa-Kapoho Rd. (Rte 132) (12 MP, 12.71 mi., 12.00 mi.) | End Divided Hwy. (12.14 mi., 12.34 mi.) | Board of Water Supply Tank (13 MP, 13.71 mi., 13.16 mi.) | Leilani Ave (14.20mi.) | Malama St. (14.49 mi.) | ALA ILI RD. (14 MP, 14.72 mi., 14.96 mi.) | Road (15.25 mi.) | Road (15 MP, 15.71 mi., 15.74 mi.) | Kamaili Road (to Ophikao) (16.03 mi.) | Project Marker (16 MP, 16.71 mi.) | Upper Puna Rd (17.41mi., 17.38 mi.) | One' Ele Rd. (17 MP, 17.71 mi., 17.77 mi.) | Old Kalapana Rd. (18.55 mi., 18.44 mi.) | Old Kalapana Rd. (18 MP, 18.77 mi., 18.82 mi.) | Old Kalapana Rd. (19.18 mi.) | Old Kalapana Rd. (19.52 mi.) | Old Kalapana Rd. (19 MP, 19.71 mi., 19.82 mi.)

KEA'AU–PAHOA ROAD | PAHOA–KALAPANA ROAD

ROUTE CONTINUED ON SHEET #3

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

- Shoulder: Width and Type: 8' Gravel (10.26) | 8' AC (10.26–10.53) | 8' AC (10.53–12.00) | 8' AC (12.00–12.34) | 3' Gravel (12.34–12.75) | 4' Grass (12.75–14.47) | 0 (14.47–14.64) | 4' Grs. (14.64–14.89) | 6' Dirt (14.89–17.39) | 10' Gravel (17.39–19.82)
- Pavement: Width and Type: 24' AC | 12' AC | 24' AC | 12' AC (24'AC) (12.00–12.38) | 20' AC (12.38–14.89) | 22' AC (14.89–17.39) | 24' AC (17.39–19.82)
- Shoulder: Width and Type: 8' Gravel (10.26) | 8' AC (10.26–10.53) | 0 | 8' AC | 0 | 3' Gravel (12.34–12.75) | 4' Grass (12.75–14.47) | 0 (14.47–14.64) | 4' Grs. (14.64–14.89) | 6' Dirt (14.89–17.39) | 10' Gravel (17.39–19.82)
- Median: Width and Type: 0'–12' Painted AC (10.53–10.97, 12.00–12.34)
- 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' (10.88–12.00) | 2 – 10' (12.38–14.89) | 2 – 11' (14.89–17.39) | 2 – 12' (17.39–19.82)

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): All Turning Ln's = 12' (10.88–10.96, 12.00–12.14)

(Right Side): (10.84–10.88, 12.08–12.24)

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

Sidewalk: Width and Type (Right and Left): (10.36–10.86, 10.88–12.04, 12.14–12.30)

Curb and/or Gutter: Type (Right and Left): 4' (Type 2) Gutter (10.88–11.47, 11.60–11.85, 11.89–12.33, 12.27–12.24) | Metal on Concrete (15.04–15.08) | Metal on Metal (15.87–15.97) | 6' Gutter (17.18–17.77)

Protective Devices: Type, Location and Number: (10.66–10.74, 10.89–10.92, 11.07–11.20, 11.24–11.37, 11.45–11.60, 11.74–11.89, 12.10–12.33, 12.24–12.27)

Illumination: Type, Location and Number: 3 Low Pressure Sodium (10.86–10.79) | 6 Low Pressure Sodium (10.88–11.61) | 4 Low Pressure Sodium (12.13–12.38) | Low Pressure Sodium (15.87–17.77)

Curves: Degree of Curvature (Right and Left): .20

Superelevation (Range)

Grades: % Grade, Positive or Negative: (10.41) –2 (10.72–12.61) | +2 (12.40–13.17) | –1 (13.32–14.75) | +2 (14.91–15.39) | –1 (15.50–16.11) | –5 (16.47–16.59) | –1 (17.31–17.45) | –4 (17.86–17.88) | –6 (18.21–18.73) | –5 (18.87–19.14) | –4 (19.31)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural (1)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Flat (10.79–11.07) | Rolling

Speed: 1–Design, 2–Posted: 55 MPH ② 45 MPH ① 55 MPH ① 45 MPH ① (10.49–10.97, 11.84–12.38) | (Minimum 40 MPH ②) 45 MPH ① 55 MPH ① | 55 MPH ② Minimum 40 ②

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0130 00771 (10.69) | B71 0130 01088 (11.66) | B71 0130 01214 (13.71) | B71 0130 01420 (17.53) | B71 0130 01777 (18.77) | (B71 0130 01982)

HPMS Sections – AADT 2007: 11,720 | 7,680 | 3,435 | 1,820 | 1,820 | 1,720

HPMS Sections – AADT 2006: 11,600 | 7,600 | 3,400 | 1,800 | 1,800 | 1,700

HPMS Sections – AADT 2005: 11,470 | 7,550 | 3,330 | 1,750 | 1,750 | 1,640

DOD Sections

Census Tracts

Functional Classification: Minor Arterial (6) (10.88–12.14) | Major Collector (7) (12.14–19.82)

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

Previous Projects: Project No., Date and Limits

S–0130(9), 1967 (10.46–10.49) | RS–0130(20) (New Alignment) 1990 (12.38–12.38) | HWY–H–01–69 (10.95–12.10) | (RS–0132(3) 1986 Widen and Resurf) | RS–SR–0130(19) Resurf 1982 | S–0130(9) 1966 (10.74–12.09) | County (12.72–14.94) | A–130–01–61 Sect. A (R/W) | ER–4(1) 1957, 59 (17.40–17.40) | S–130 (12) 1970

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

SCALE: (In Miles) 2" = 1 mile

Road Diagram

* MP = Milepost Signage

Date Released
November 2000

Revised	
Sept 02	J.K.
Feb. 04	D.B.
May 04	D.B.
Sept 04	D.B.
7/06	D.B.

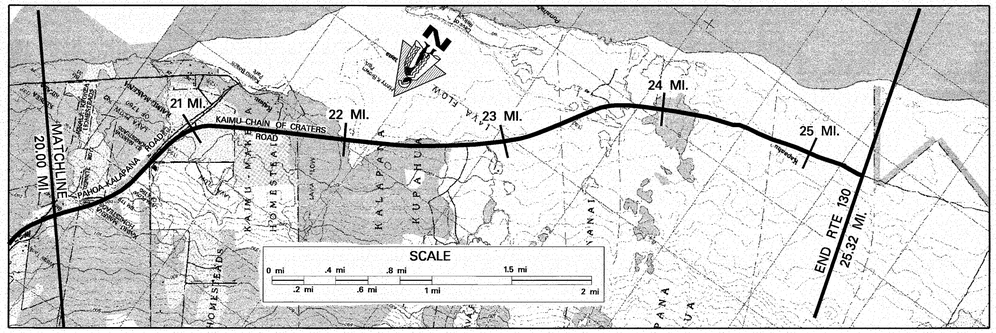
ROAD INVENTORY
HAWAII RTE 130
PAHOA–KALAPANA ROAD, KAIMU–CHAIN OF CRATERS ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

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

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

130 A (13.19 Mi.) — Beg. 130 A Same as End Rte 130

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

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: 100' – 150' | 125' – 580' | 155' | 120' | 155'–170' | 150' | 140' | 120' | 130' | 100'–110' | 120' | 130'–145' | 145' | 120' | 80'

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

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

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

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

Project No., Type of Construction, and Year Constructed: 130A–01–97M 1998 Resurf.

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

ROUTE CONTINUED FROM SHEET #2

Old Kalapana Rd | Begin Divided Hwy | Access Rds to Pahoa–Kalapana Rd | End Divided Hwy | 1982 Lava Flow & Road Barricade | Lokelani St. Lava Flow & Road Barricade | Keone Dr. | Lava Flow Access to Kalapana Beh. Rd. | Road | Coconut Palm Dr. Royal Palm Dr. | Road to Queen's Bath | Cattle Guard

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

20.24 mi. | 20.79 mi. | 20.80 mi. | 20.82 mi. | 20.69 mi. | 20.97 mi. | 21.13 mi. | 21.83 mi. | 22.72 mi. | 22.80 mi. | 22.82 mi. | 23.13 mi. | 23.59 mi. | 24.17 mi. | 24.37 mi. | 24.49 mi. | 24.59 mi. | 24.90 mi. | 24.93 mi. | 25.13 mi. | 25.31 mi. | 25.32 mi.

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

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 | 22' AC
- Shoulder: Width and Type: 10' Gravel | 0 | 10' AC | 6' AC

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

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

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left): 6' Gutter

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative: –3 | –3 | –2

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural (1)

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

Speed: 1–Design, 2–Posted: 55 MPH – Minimum 40 MPH (2) | 45 MPH (2) | 35 MPH (2) | 25 MPH (2) | 35 MPH (2) | Not Posted 25 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): 20,69 B71 0130 01982 | B71 0130 02183

HPMS Sections – AADT 2007: 1,720

HPMS Sections – AADT 2006: 1,700

HPMS Sections – AADT 2005: 1,640

DOD Sections

Census Tracts

Functional Classification: Major Collector (7)

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

Previous Projects: Project No., Date and Limits: S–130 (12), 1971 | County A–130–01–60 (Sec. C) 1964 | (130A – 01 – 79 M PMS – 0100(8), Unit 3) S–130(1) 1964

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

SCALE: (In Miles) 2" = 1 mile

Road Diagram

* MP = Milepost Signage

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

ROAD INVENTORY

HAWAII RTE 139
OLD KEA'AU – PAHOA ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

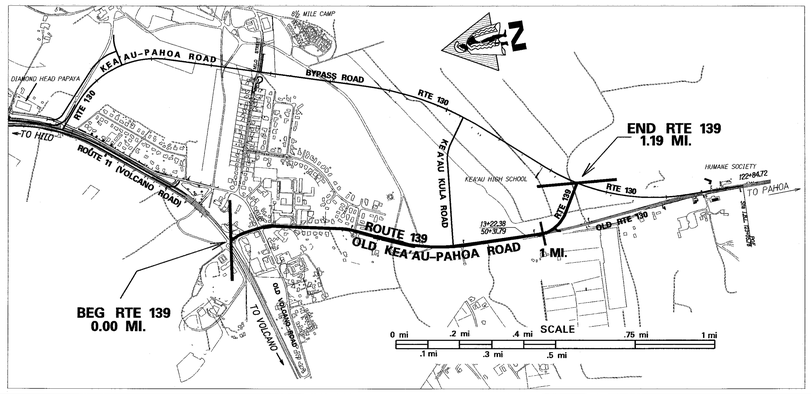
Total Route Length: 1.19 **MILES**

a. Survey Length: 1.19 **MILES**

b. Proposed Length: 0.00 **MILES**

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

*



SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Maintenance Control Sections : Length and Description

End 139A same as Begin Route — 139A (1.19 mi.)

Structure Carrying Road

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

Continuous Conc. Slab
HS–20, 1968

Vertical Clearance 18'

Horizontal Clearance 44'

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

80'–85' (0.95) 80'–130' (0.85) 90'–140'

Available Right of Way Width (Needs Study)

Residential (0.30) Clear 1000' – Sugar Cane – 6' from Pav't

Right of Way Fence: Type – Right and Left

(0.10) Pipe (0.07) Chain Link (0.52) (0.23) Chain Link (0.88)

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

None

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

State

Project No., Type of Construction, and Year Constructed

(0.98) (0.05) 130B–01–91, Imp., 1993 (0.52)

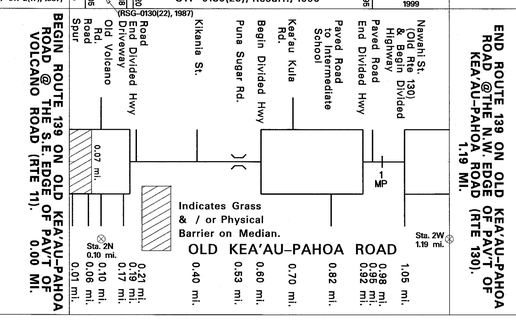
Project No., Type of Construction, and Year Constructed

(F–011–2(17), 1987) (0.38) (0.20) STP–0130(25), Resurf., 1996 (0.56) 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) (0.19) 10' Painted Median (0.60) | 12' Painted Median | (0.92) (1.05) 12' Painted Median

Shoulder: Width and Type 0 | 0 | 0

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

Shoulder: Width and Type 0 | 2' AC (0.70) 8'–10' AC | 4' AC

Number of Traffic Lanes 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) 12' TL (0.13) (0.08) (0.25) (0.14) 10' TLs (0.07) — 11' TL (0.64) (0.70) 12' TLs (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. (0.38) (0.70) (0.90)

Curb and/or Gutter: Type (Right and Left) (0.07) 6" Conc. Curb | 2' AC (0.39) | 8" Conc. Curb (0.80)

Protective Devices: Type, Location and Number C. Curb | Curb | (0.41) Curb | C. Curb (0.85) (0.95) (0.08) (0.17) (0.32) (0.45) (0.70) All Metal on Metal. (1.09) (0.35) (0.39) (0.55) (0.60) (0.83)

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 (1)

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

Speed: 1–Design, 2–Posted 25 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing (0.10) 2 Phase (0.70) 2 Phase

Traffic Stations (Current Year) B71 0139 00000 0.75

HPMS Sections – AADT 2007 6,970

HPMS Sections – AADT 2006 6,900

HPMS Sections – AADT 2005 0.00 6,870 1.19

DOD Sections

Census Tracts

Functional Classification Major Collector (7)

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

Previous Projects: Project No., Date and Limits

(RSG–0130(22), 1987)

(0.05) (0.08) 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.*

ROAD INVENTORY
HAWAII RTE 160
KE–ALA–O–KEAWE ROAD

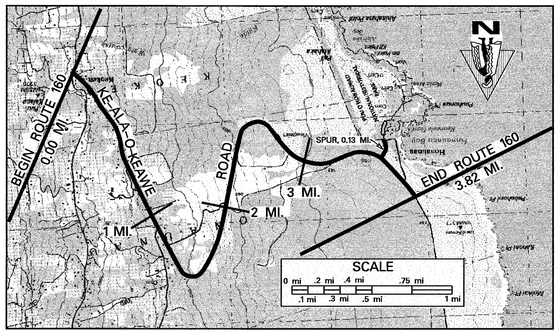
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

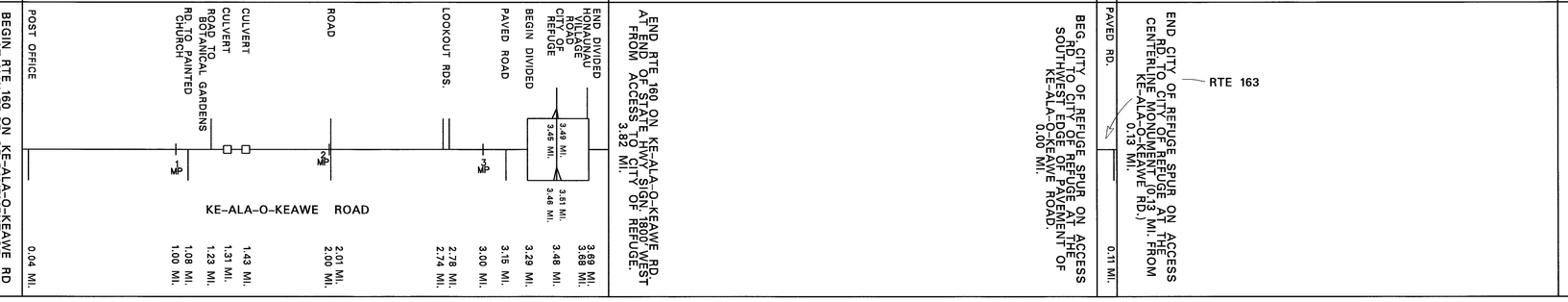
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

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 1.48 — CLEAR 1000' BRUSH W/ SMALL TREES 5'–15' FROM EDGE OF PAV'T
		Right of Way Fence: Type – Right and Left	1.23 FENCE (R) — 1.70 FENCE (L) & (R) WIRE ON WOOD 25' FROM EDGE OF PAV'T — 3.12 FENCE (L) 3.35
		Control of Access: 1–None, 2–Partial, 3–Full	NONE; (NONE)
		Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	STATE
		Project No., Type of Construction, and Year Constructed	
		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 – 3.96)
		(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)	
		Protective Devices: Type, Location and Number	METAL ON CONCRETE (0.01 – 1.62; 1.67 – 2.28; 2.45 – 2.84) — METAL ON METAL (2.86 – 3.01; 3.30 – 3.39); (METAL ON METAL) (0.11 – 0.06)
		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 (1); (RURAL (1))
		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 0.75; B71 0160 00131 3.00; (B71 0160 00348)
		HPMS Sections – AADT 2007	1,415; 1,010; 3.48 710
		HPMS Sections – AADT 2006	0.00 1,400; 1,000; 700 3.61
		HPMS Sections – AADT 2005	1,430; 1.31; 1,010; 653
		DOD Sections	
		Census Tracts	
		Functional Classification	MAJOR COLLECTOR (7); (MAJOR COLLECTOR (7))
		National Highway System (NHS)	NOT ON NHS (0); (NOT ON NHS (0))
		Previous Projects: Project No., Date and Limits	RS–0160(6) RESURFACE 1980 (2.80); S–0160(1), 1961 (1.01, STA. 53 + 59); S–0160(2) UNIT 1, 1961 (3.16); S–0160(2) UNIT 2, 1961; (S–0160(2) UNIT 2, 1961)
		SCALE: (In Miles) 2" = 1 mile	0 | 1 | 2 | 3 | 4 | 0 | 1

Date Released
OCT. 05, DB

Revised	
7/06	D.B.

ROAD INVENTORY

HAWAII RTE 190
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

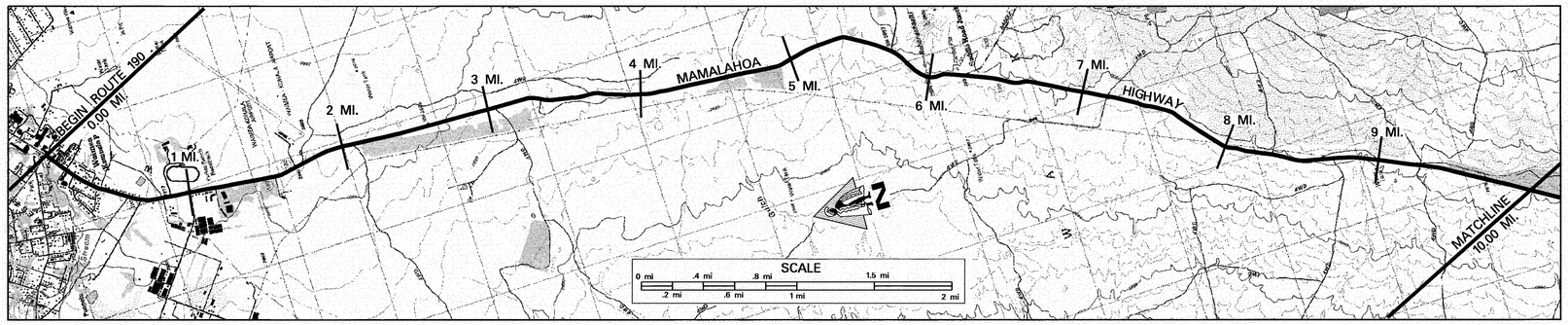
Total Route Length: 38.99 miles

a. Survey Length: 38.99 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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'

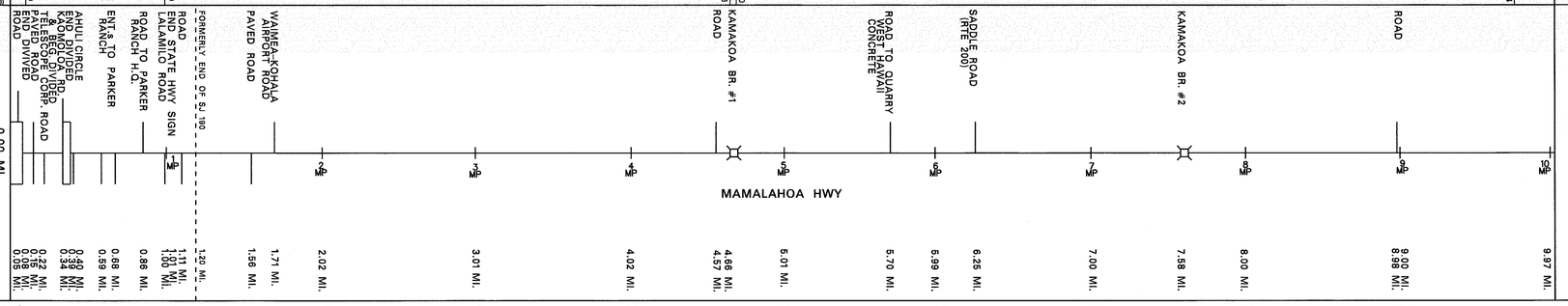
Structure Over Road

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

- **Right of Way Width (min.-max.) if varies**: 70' | 8.42 100'-145' 8.73 80'-90' 8.78 100'-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(34), 2000 RESURF., IMPRV. (ALSO SEE RTE 19)) 0.00 WDRC 12(1), 1947 | 1.00 190E-01-98M, RESURF., 1999 | 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**: 0.08 1' AC 25' GRASS
- **Pavement: Width and Type**: (0'-10' AC) (8'-3' AC) (11' AC) 22' AC 22' AC (11' AC) 22' AC
- **Shoulder: Width and Type**: 0 0.08 GRASS 0.27 0 0.34 15' GRASS
- **Median: Width and Type**: (11'-0' PAINTED AC) 0.27 (12'-0' PAINTED AC)
- **Median Barriers**: 0.08 0.34 0.39
- **Shoulder: Width and Type**: 0 0
- **Pavement: Width and Type**: (28'-11' AC) (11' AC)
- **Shoulder: Width and Type**: (0'-10' AC) (5' AC)

- **Number of Traffic Lanes**: (1-11') (1-(28'-11')) 0.30 | 2-11' | 8.38 2-12' 9.09 5.11 2-12' 9.74 2-11'
- **Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**: 14' T.L. 0.04 0.23 / 11' T.L. 0.27 0.32 / 10' T.L. 0.05 0.23 0.28 | (2-10')
- **(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. / 0.06
- **Curb and/or Gutter: Type (Right and Left)**: 0.03 CONC. CURBS (NO GUTTERS)
- **Protective Devices: Type, Location and Number**: 5.45 5.90 METAL ON METAL | METAL ON METAL 7.55 7.89 | 9.14 9.24 9.30 9.88 9.97 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**: 9.32 +2 9.89 -4
- **Vertical Curve: Crest or Sag, Curve Limits**
- **Area and Development:**: SMALL URBAN (2) 2.02 | RURAL (1)
- **Terrain: 1-Flat, 2-Rolling, 3-Mountainous**: FLAT 1.44 | ROLLING
- **Speed: 1-Design, 2-Posted**: 0.72 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 0.72 | B71 0190 00100 1.91 | B71 0190 00202 9.00
- **HPMS Sections - AADT 2007**: 10,305 | 5,735 | 7,375
- **HPMS Sections - AADT 2006**: 10,200 | 5,674 | 7,300
- **HPMS Sections - AADT 2005**: 10,140 | 9,580 | 7,230
- **DOD Sections**
- **Census Tracts**
- **Functional Classification**: MINOR ARTERIAL (16) 2.02 | MINOR ARTERIAL (6)
- **National Highway System (NHS)**: NOT ON NHS (0)
- **Previous Projects: Project No., Date and Limits**: WDRC 12(1) 1947 1.00 RS-0190(7), RESURF. & REALIGN., 1987 4.53 RS-0190(8) 1988, (R) (RS-0190(5), 1980) 7.47 7.66 19 DE-01-68 5.45 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.

33

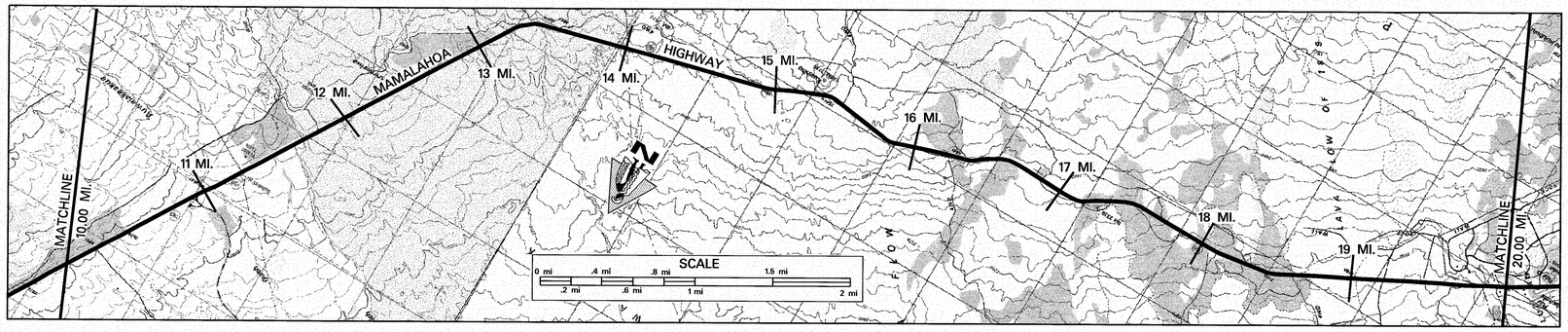
ROAD INVENTORY
HAWAII RTE 190
MAMALAHOA HIGHWAY

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.) | 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
100' – 145' | 60' – 150'

Structure Over Road

Vertical Clearance

Horizontal Clearance
CLEAR 1000' – PASTURELAND W/ LAVA ROCK AND SOME TREES (13.22)
WIRE ON WOOD 10' FROM PAVEMENT (12.94) | CLEAR 1000', LAVA ROCK, GRASS, TREES – 10' FROM PAVEMENT (18.72)
WIRE ON WOOD 10' FROM PAVEMENT | WIRE ON WOOD 10' FROM PAVEMENT (18.92)

Right of Way Width (min.–max.) if varies
NONE

Available Right of Way Width (Needs Study)
STATE

Right of Way Fence: Type – Right and Left

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

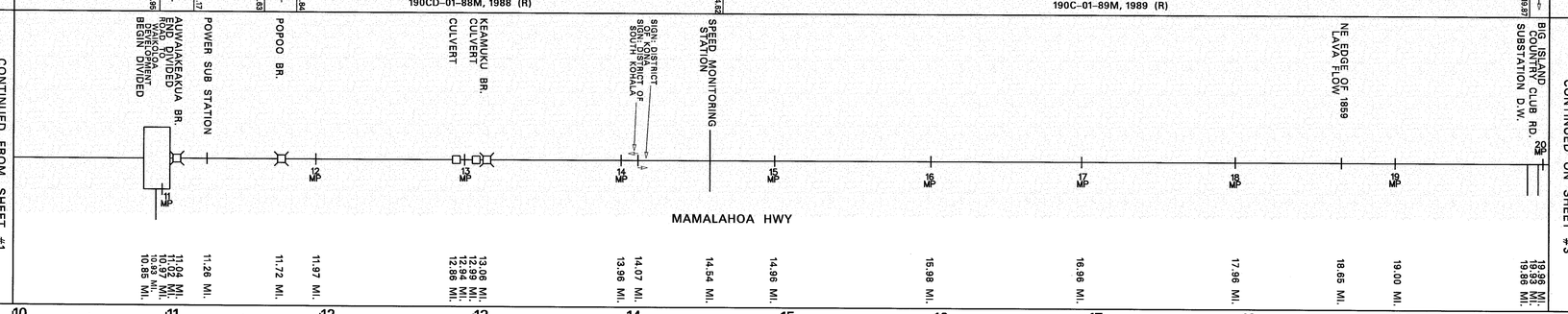
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)
(BR-0190(13), 2001 BRIDGE REPLACEMENT) (10.69–11.17, 11.63–11.84)

Project No., Type of Construction, and Year Constructed
190CD–01–88M, 1988 (R) (11.84–14.82)

Project No., Type of Construction, and Year Constructed
190C–01–89M, 1989 (R) (14.82–19.87)
(19C–01–70, (RESURF. & REHAB.), 1971)

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type
4' AC

Pavement: Width and Type
22' AC (10.76) | 14' AC | 21' AC (13.48) | 18' AC (15.79) | 4' DIRT
4' AC | 4'–5' AC | 22' AC
5' DIRT

Shoulder: Width and Type
0

Median: Width and Type
(0–12' PAINTED MEDIAN) (10.85–11.02)

Median Barriers:
M/M — METAL RAILS ON CONCRETE POSTS (11.01–11.15, 11.77–13.90)

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) | 2–10.5' (13.48) | 2–9' (15.79) | 2–11'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
1–14' (10.76) | 1–17' (10.85–11.01)

(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
(–4)– 10.06 | 10.41 +1 | 10.75 –4 10.84 | 11.08 +1 11.38 | 11.74 +1 12.24 | 13.00 +2 13.23 | 13.61 –3 13.73 | 13.80 –3 14.03 | 14.09 +1 14.29 | 14.49 +4 14.86 | 15.46 +1 15.65 | 18.00 +1 18.12 | 18.28 +1 18.41 | 19.36 –4 19.44 | 19.77 +4 19.87

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
RURAL (1)

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 00202 (10.76–11.26) | B71 0190 01126 (11.26–15.88) | B71 0190 01598 (15.88–)

HPMS Sections – AADT 2007
7,375 | 4,345 | 4,345

HPMS Sections – AADT 2006
7,300 | 4,300 | 4,300

HPMS Sections – AADT 2005
7,230 | 4,300 | 4,300

DOD Sections

Census Tracts

Functional Classification
MINOR ARTERIAL (6)

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

Previous Projects: Project No., Date and Limits
RS–0190(8), 1988 (R) (10.76–13.25) | 190CD–01–88M, 1988 (R) (13.36–13.62) | 19C–01–70 (RESURF & REHAB), 1971 (15.79–16.45) | FAP 10–C(1), 1938 | FAP E–10B, 1932 | FAP 10–A, 1932
STA. # 642 + 00

SCALE: (In Miles) 2" = 1 mile

Date Released
OCT. 05, D.B.

Revised	
7/06	D.B.

ROAD INVENTORY
HAWAII RTE 190
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

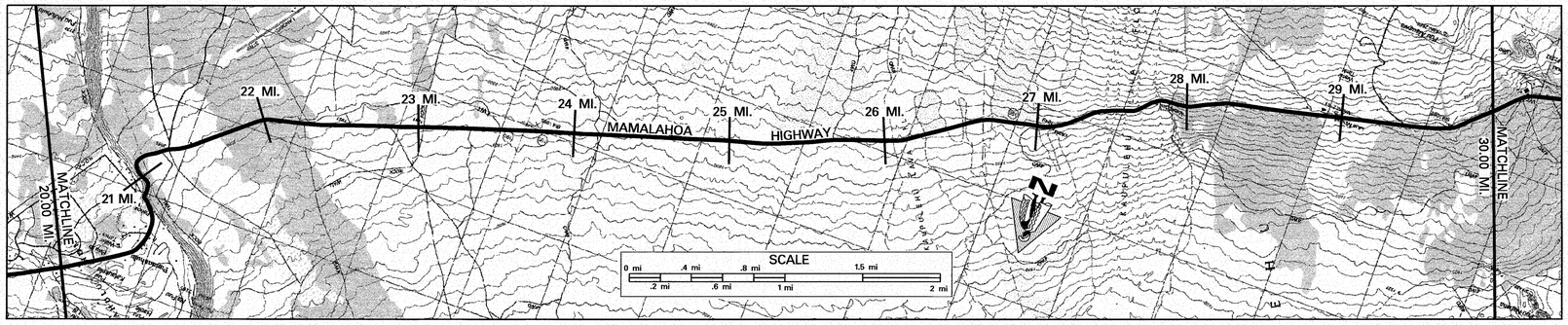
Total Route Length: 38.99 miles

a. Survey Length: 38.99 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

190 C (7.87 MI.) | 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: 60'–150' | 80'–217'

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

Right of Way Fence: Type – Right and Left: STONE WALL 8' FROM PAVEMENT | WIRE ON WOOD 15'-20' FROM PAVEMENT | CRM WALL

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

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

Project No., Type of Construction, and Year Constructed: 190B–02–04M, RESURFACE, 2008

Project No., Type of Construction, and Year Constructed: (19C–01–70 (RESURF. & REHAB.) 1971) 190BC–01–90M (RESURFACE)1991 (190B–01, 1971) HES–0190(9), (IMPROV.) 1991 190B–01–91M (R) 1992 (STP–0100(31) – GUARDRAIL IMPROVEMENTS, 1994)

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #2

PUU LAAU RANCH ROAD | POWER SUB-STATION, PUUWAAWAA RANCH RD. | MAMALAHOA HWY | TRIG. STATION | SCENIC LOOKOUT | HUALALAI RANCH ROAD

20.21 MI. 20.92 MI. 21.33 MI. 21.47 MI. 21.97 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. 29.96 MI.

CONTINUED ON SHEET #4

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type: 4' DIRT | 3' AC | 7' AC | 7' GRAVEL

Pavement: Width and Type: 22' AC | 20' AC | 22' AC

Shoulder: Width and Type: 5' DIRT | 3' AC | 4' AC | 7' GRAVEL

Median: Width and Type

Divided Highway

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

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

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left): 2' AC GUTTER

Protective Devices: Type, Location and Number: CRM WALL

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (1)

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

Speed: 1–Design, 2–Posted: 55 MPH (2) (MINIMUM 40 MPH) | 50 MPH (1) (MINIMUM 40 MPH) 55 MPH (2) | 50 MPH (1) (MINIMUM 40 MPH) | 55 MPH (2) 55 MPH (2) (MINIMUM 40 MPH)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0190 01598 24,96

HPMS Sections – AADT 2007: 4,345

HPMS Sections – AADT 2006: 4,300

HPMS Sections – AADT 2005: 4,300

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (6)

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

Previous Projects: Project No., Date and Limits: 19C–01–70 (RESURF. & REHAB.), 1971 | 190B–01–71 (RESURFACE) 1971 F 10–A, 1932 | F–10(5), 1956 F–10(5), 1954 (FAP 10–A, 1933) (FAP 10–A, 1932)

SCALE: (In Miles) 2" = 1 mile

Date Released
OCT. 05, D.B.
Revised
7/06 D.B.
4/09 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

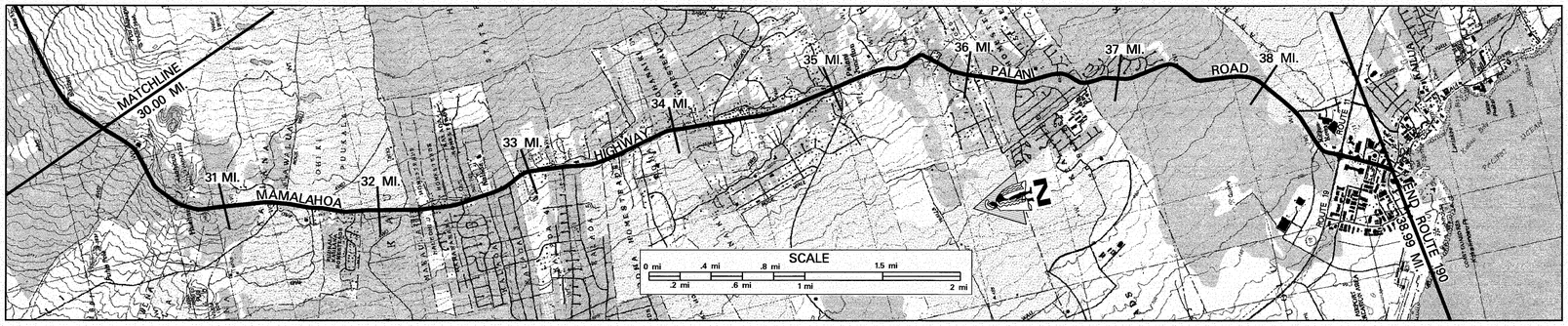
Total Route Length: 38.99 miles

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 190

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

Structure Carrying Road — Vertical Clearance

Structure Carrying Road — Horizontal Clearance

Structure Over Road — Vertical Clearance

Structure Over Road — Horizontal Clearance

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

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

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

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

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

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

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

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #3

2000' ELEV. SIGN · HUEHUE RANCH ROAD · ROAD (R) MAKALEI HAWAII · ROAD · ROAD (R) · BEGIN DIVIDED · MAKAULA RD. ROAD · DIVIDED · KA'A LELE ST. · ROAD · ACCESS RD. · LOLOA DR. · HOLY CHURCH · MANLANI DR. · AHIKAWA ST. · BEGIN DIVIDED · KAUMANI DR. · KAUMANU ST. · MATSUYAMA · END DIVIDED · ENTRANCE TO · ROAD (R) · HAMO STREET · AKINA PL. · KALALOA ST. · CHURCH OF GOD RD. · LIHAU ST. · 1500' ELEV. SIGN · KALOKO DR. · MAKALAPUA RD. · ROAD (R) · END STATE HWY SIGN · OLD MAMALAHOA HWY · END DIVIDED · BEG. DIVIDED · HINALANI ST. (R) · NORTH KONA · BASE YARD · ROAD TO METHODIST · CHURCH · HAO KUNI ST. · IWALANI PL. · LAIMANA PL. · ROAD · TOMITOMI DR. · ULUA 'O 'A ST. · PAMAHOA PL. · PALIHIOLO ST. · PEDESTRIAN OVERPASS · KEALAKAA ST. · RD. TO WATER TANK · KONALANI ST. · END DIVIDED · HENERY ST. · BEGIN DIVIDED · QUEEN KAAHUMANU (L) · BEGIN DIVIDED · MAXEDA PUAD (L) · KOPIKO STREET · LANIHAU SHOPPING CENTER · ROAD · KONA COAST SHOPPING ROADS

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

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

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type: 7' GRAVEL | 6' AC | 7' GRAVEL | 6' AC | 7' GRV 2' AC | 2' AC | 4' DIRT

Pavement: Width and Type: 22' AC | 11' AC | 22' AC | 11' AC | 22' AC | 11' AC | 20' AC | 30' AC | 20' AC | 12' AC | 24' AC

Shoulder: Width and Type: 7' GRAVEL | 0 | 7' GRAVEL | 0 | 7' GRAVEL | 0 | 7' GRV | 4' DIRT | 2' AC

Median: Width and Type: 11' AC PAINTED | (11' AC PAINTED) | (0'–12' PAINTED AC) | (0'–12' RAISED GRASS W/ CURB)

Median Barriers: (0'–28' RAISED GRASS & TREE W/ CURB)

Shoulder: Width and Type: 0 | 0 | 0 | 0 | (1' AC) | 0

Pavement: Width and Type: 11' AC | 11' AC | 11' AC | 12' AC | (12' AC) | 24' AC

Shoulder: Width and Type: 10' AC | 5' AC | 6' AC | 6' AC | (4' AC) | 0

Number of Traffic Lanes: 2–11' | 2–10' | 2–10' 1–10' | 2–10' | 2–12' | 4–12'

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

(Right Side)

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

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

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

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

Illumination: Type, Location and Number: MV

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (1) | SMALL URBAN (2) | RURAL (1) | SMALL URBAN (2)

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 01598 | B71 0190 03131 | B71 0190 03222 | B71 0190 03524 | B71 0190 03864

HPMS Sections – AADT 2007: 4,345 | 13,940 | 18,585 | 20,000

HPMS Sections – AADT 2006: 4,300 | 13,800 | 18,400 | 19,800

HPMS Sections – AADT 2005: 4,300 | 13,710 | 18,220 | 19,640

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (6) | MINOR ARTERIAL (16) | MINOR ARTERIAL (6) | MAJOR COLLECTOR (17)

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

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

STA. 41 + 99

SCALE: (In Miles) 2" = 1 mile

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

ROAD INVENTORY

HAWAII RTE 197
KEALAKEHE PARKWAY

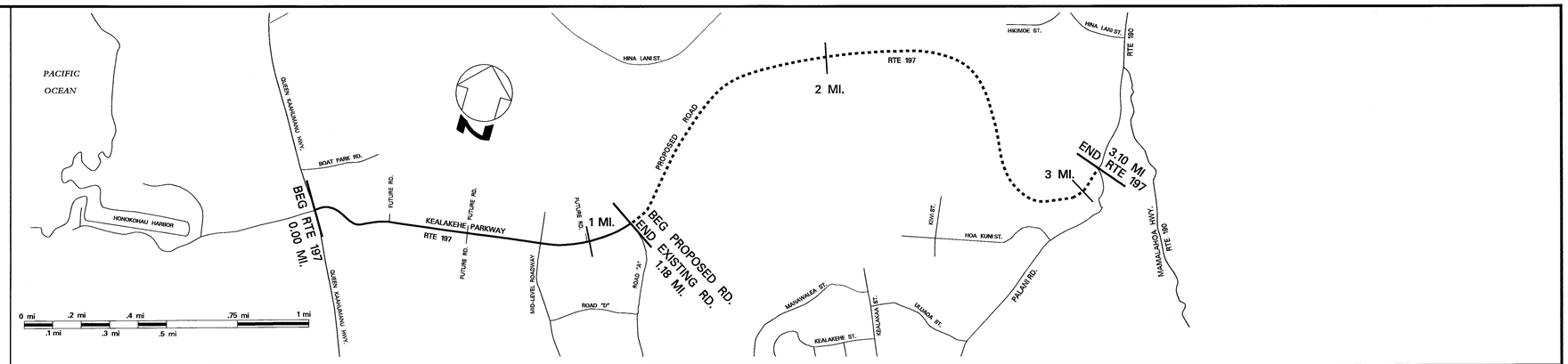
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

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

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles) 4" = 1 mile

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

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

Indicates Grass & / or Physical Barrier on Median.

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

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 → 12'AC
- Shoulder: Width and Type — 12' AC → 0 | 3'AC

Median: Width and Type — 12' PAINTED AC (6' AC (FLUSH) AC CURBS BOTH SIDES) | (6'–15' AC (FLUSH) AC CURBS BOTH SIDES)

Undivided
- Shoulder: Width and Type — 0 | 3'AC
- Pavement: Width and Type — 12' AC | 24'AC
- Shoulder: Width and Type — 12' AC | 2'AC

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

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

(Right Side) — 11'AC

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

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

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

Protective Devices: Type, Location and Number — METAL GUARDRAIL

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

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: — Small Urban (2)

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year) — B71 0197 00000

HPMS Sections – AADT 2007 — 3,500

HPMS Sections – AADT 2006 — 3,500

HPMS Sections – AADT 2005 — 3,510

DOD Sections

Census Tracts

Functional Classification — Minor Arterial (16) | 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.

ROAD INVENTORY
HAWAII RTE 200
SADDLE ROAD

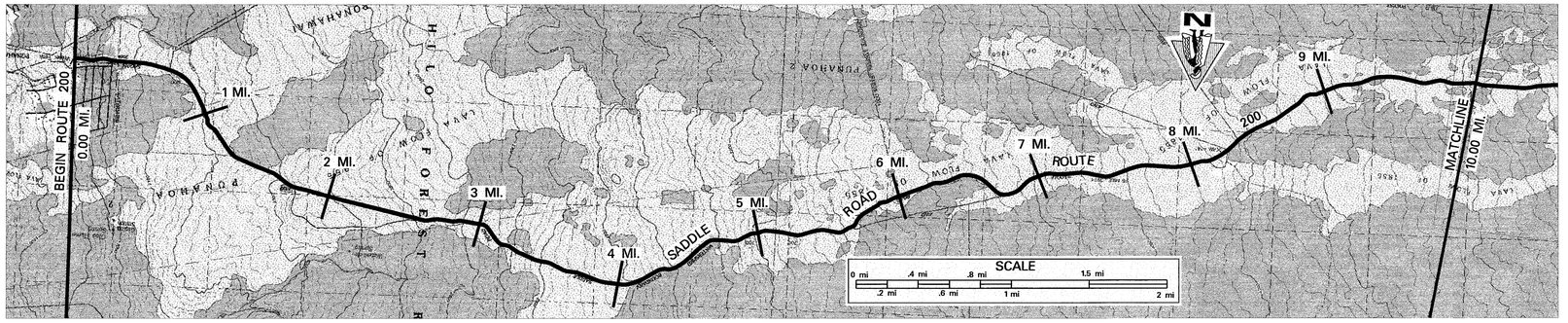
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 44.77 miles
a. Survey Length: 44.77 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

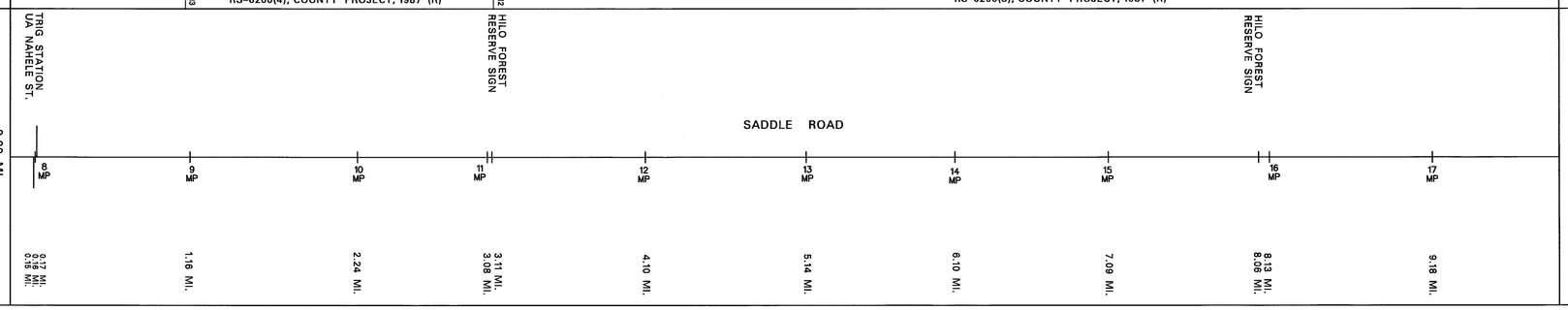
*



SCALE: (In Miles) 2" = 1 mile	0 1 2 3 4 5 6 7 8 9 10
Maintenance Control Sections : Length and Description	
Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed	
Structure Carrying Road — Vertical Clearance	
Structure Carrying Road — Horizontal Clearance	
Structure Over Road — Vertical Clearance	
Structure Over Road — Horizontal Clearance	
Right of Way Width (min.–max.) if varies	VARIES 50'–150'
Available Right of Way Width (Needs Study)	BUSHES, GRASS & TREES
Right of Way Fence: Type – Right and Left	NONE
Control of Access: 1–None, 2–Partial, 3–Full	NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	COUNTY
Project No., Type of Construction, and Year Constructed	1.13 RS–0200(4), COUNTY PROJECT, 1987 (R) 3.12
Project No., Type of Construction, and Year Constructed	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 (1.19–3.12) | 10' DIRT (3.12–3.98) | 4' AC (3.98–4.83) | 10' DIRT (4.83–6.30) | 4' AC (6.30–6.59) | 2' AC/10' DIRT (6.59–9.18) | 4' AC (9.18–9.33) | 10' DIRT
Divided Highway Undivided — Pavement: Width and Type	20' BST (0.18–1.19) | 22' AC (1.19–9.33)
Divided Highway Undivided — Shoulder: Width and Type	2'–4' GRASS | 4' AC (1.19–3.12) | 10' DIRT (3.12–3.98) | 4' AC (3.98–4.83) | 10' DIRT (4.83–6.30) | 4' AC (6.30–6.59) | 2' AC/10' DIRT (6.59–9.18) | 4' AC (9.18–9.33) | 10' DIRT
Divided Highway — Median: Width and Type	
Divided Highway — Median Barriers:	
Divided Highway — Shoulder: Width and Type	
Divided Highway — Pavement: Width and Type	
Divided Highway — Shoulder: Width and Type	
Number of Traffic Lanes	2–10' (0.18–1.19) | 2–11' (1.19–9.33)
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 (1)
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 (0.18–1.15) | B71 0200 00115 (1.15–9.33)
HPMS Sections – AADT 2007	1,028 | 1,028
HPMS Sections – AADT 2006	883 | 887
HPMS Sections – AADT 2005	1,068 | 1,139
DOD Sections	
Census Tracts	
Functional Classification	MINOR ARTERIAL (6)
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.

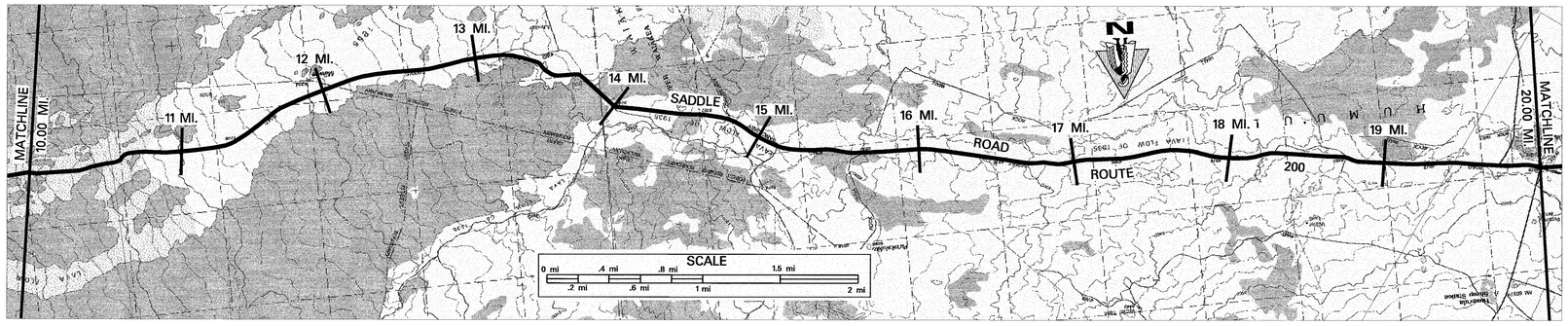
ROAD INVENTORY
HAWAII RTE 200
SADDLE ROAD

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: 44.77 miles
a. Survey Length: 44.77 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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' | VARIES 170'–196'

Available Right of Way Width (Needs Study): BRUSH, GRASS AND TREES | 1000' CLEAR– LAVA ROCK – 10'–15' FROM EDGE OF PAVEMENT (WOOD ON WOOD 40' FROM E.P.)

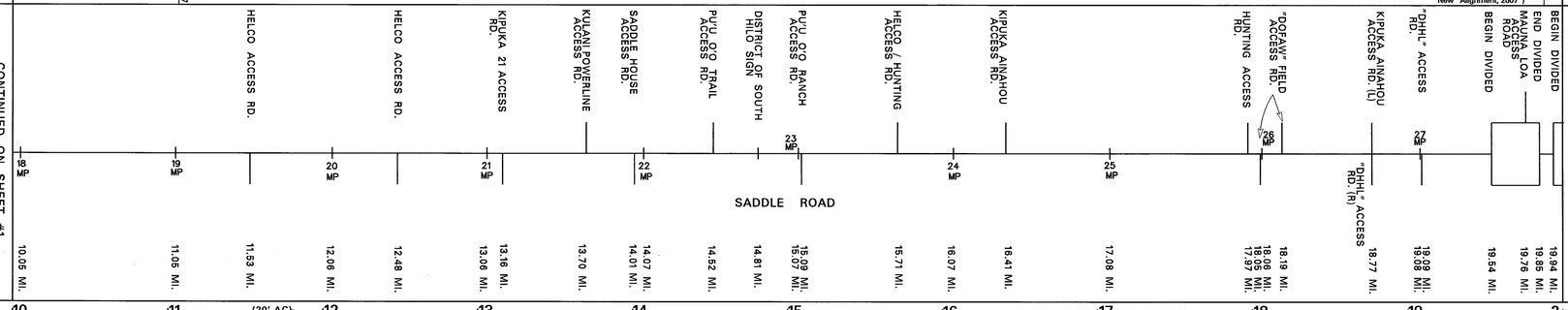
Right of Way Fence: Type – Right and Left: NONE

Control of Access: 1–None, 2–Partial, 3–Full: COUNTY | COUNTY TO STATE (TRANSFER PENDING)

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

Project No., Type of Construction, and Year Constructed: STP 200(1), NEW ALIGNMENT & WIDENING, 2008

Project No., Type of Construction, and Year Constructed: RS-0200(3), COUNTY PROJ., 1987, (R) | 694+00 (HIA-AD/STP 6(3), New Alignment, 2007)



Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

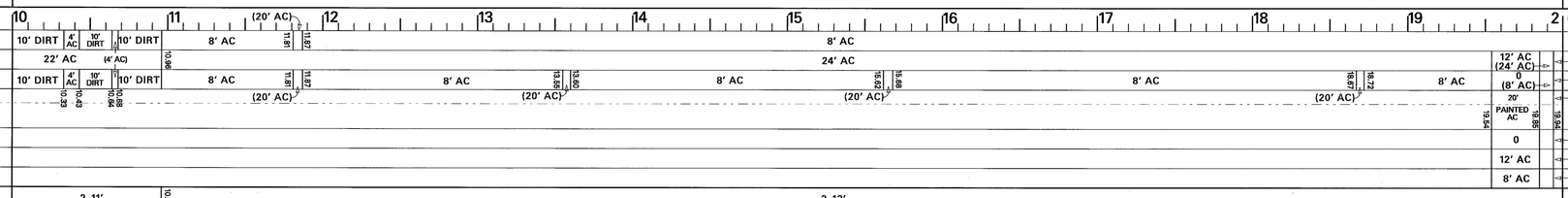
Divided Highway

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

Median: Width and Type

Median Barriers:

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



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

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | (Right Side): 1–12' TRUCK CLIMBING LANE | 1–12' (L) TL | 1–12' (R) TL

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (1)

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0200 00115 | B71 0200 01109 | B71 0200 01529

HPMS Sections – AADT 2007: 1,028 | 1,450 | 787

HPMS Sections – AADT 2006: 887 | 1,434 | 1,100

HPMS Sections – AADT 2005: 1,139 | 1,048 | 1,068

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (6)

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.

ROAD INVENTORY
HAWAII RTE 200
SADDLE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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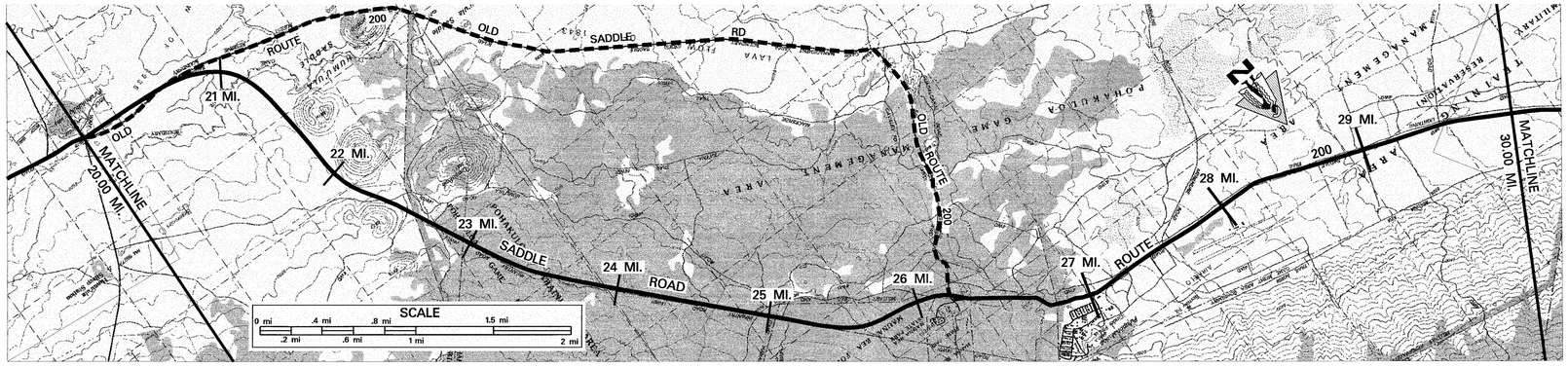
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 44.77 miles
a. Survey Length: 44.77 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

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: 196' (21.07–21.74) | 21.9 | 160' (22.13–22.51) | 140' (22.51–25.58) | 196' (25.58–26.32) | VARIES 50'–150' (26.32–30.00)

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

Right of Way Fence: Type – Right and Left: NONE | (WIRE ON METAL 10' FROM E.P.) (26.00–26.32) (27.20–30.00)

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 (TRANSFER PENDING) | 0+00 (26.32) | COUNTY

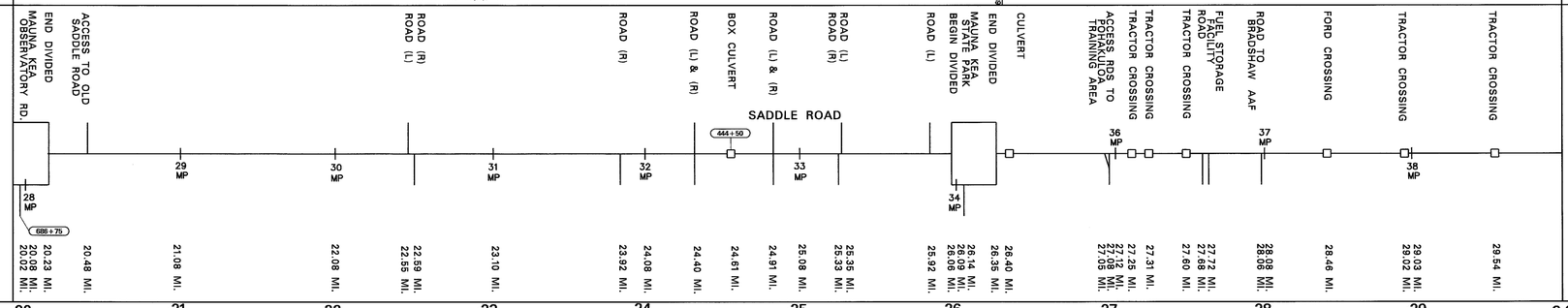
Project No., Type of Construction, and Year Constructed: HI A-AD 6(3), NEW ALIGNMENT, 2007

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #2



CONTINUED ON SHEET #4

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided — Shoulder: Width and Type (= 4' FIREBREAK FENCE): 8' AC | 8' AC | 8' AC FIREBREAK 8' AC | 8' AC | 6' GRAVEL | 5' GRASS/GRAVEL

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

Shoulder: Width and Type (= 4' FIREBREAK FENCE): 0 | 8' AC | 8' AC 8' AC FIREBREAK | 0 | 4' GRS/GRV | 5' GRASS/GRAVEL

Median: Width and Type: (0'–20' PAINTED AC) | 0'–20' PAINTED AC

Median Barriers: (4' WIRE FENCE SEPERATING SHLDR. FROM FIREBREAK)

Divided Highway — Undivided — Shoulder: Width and Type: 0 | 0

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

Shoulder: Width and Type (= 4' FIREBREAK FENCE): 8' AC | 8' AC 8' AC

Number of Traffic Lanes: 2–12' | (2–11') | 2–10' (22' BP)

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 1–12' (L) TL | 1–12' (L) TL

(Right Side): 1–12' (R) TL

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (1)

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): (B71 0200 01529) B71 0200 02004 | B71 0200 02232 | B71 0200 02706

HPMS Sections – AADT 2007: (787) 831 | 695 | 830

HPMS Sections – AADT 2006 (Old Alignment): (1,100) 900 | 685 | 822

HPMS Sections – AADT 2005 (Old Alignment): (1,068) 932 | 1,074 | 929

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (6)

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.

ROAD INVENTORY
HAWAII RTE 200
SADDLE ROAD

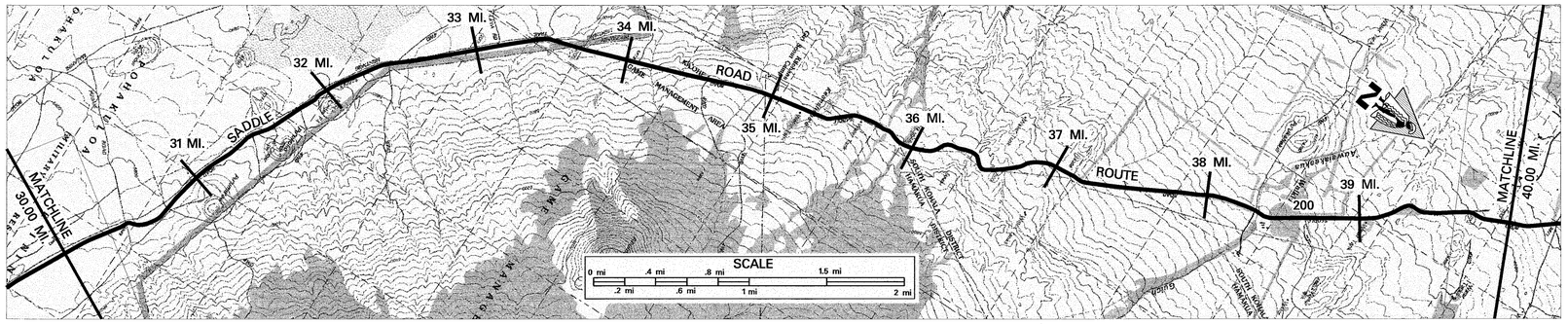
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 44.77 miles
a. Survey Length: 44.77 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

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

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

CULVERT–CORR. METAL PIPE
1957, HS–20
4'
38.36
16'

Right of Way Width (min.–max.) if varies — ESTIMATED 100'–150'

Available Right of Way Width (Needs Study) — 1000' CLEAR– PASTURELAND 30' FROM EDGE OF PAVEMENT

Right of Way Fence: Type – Right and Left — ALL WIRE ON WOOD 30' FROM EDGE OF PAVEMENT
34.41 35.77 37.30 38.44
38.08

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

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #3

TRACTOR CROSSING
TRACTOR CROSSING
BEGIN OLD SR 201 50' S.E. OF POWER POLE #117.
TRACTOR CROSSING
CULVERT
CULVERT
CULVERT
CULVERT
KILOHANA HUNTER CHECKING STATION
RD. TO KILOHANA GIRL SCOUT CAMP
SOUTH KOHALA/ HAMAKUA DIST./ BOUNDRY
CULVERT
CULVERT
CULVERT
CULVERT WATER DEVELOPMENT
ROAD
ROAD
POWER SUB STATION
DIVIDED ROAD
DIVIDED ROAD
WORLD DEEPEST WATER WELL
WATER TANK
CULVERT

39 MP 40 MP 41 MP 42 MP 43 MP 44 MP 45 MP 46 MP 47 MP 48 MP

SADDLE ROAD

30.11 Mi. 30.45 Mi. 30.75 Mi. 31.15 Mi. 32.16 Mi. 32.40 Mi. 33.08 Mi. 33.17 Mi. 33.53 Mi. 33.66 Mi. 33.77 Mi. 34.17 Mi. 34.19 Mi. 34.56 Mi. 35.02 Mi. 35.08 Mi. 35.51 Mi. 35.91 Mi. 36.13 Mi. 36.46 Mi. 36.92 Mi. 37.15 Mi. 38.07 Mi. 38.30 Mi. 38.36 Mi. 38.53 Mi. 38.65 Mi. 38.92 Mi. 39.07 Mi. 39.47 Mi. 39.64 Mi. 39.68 Mi. 39.74 Mi. 39.84 Mi.

CONTINUED ON SHEET #5

SCALE: (In Miles) 2" = 1 mile

30 31 32 33 34 35 36 37 38 39 40

Divided Highway — Undivided
- Shoulder: Width and Type — 5' GRASS / GRAVEL | 3'–6' GRASS
- Pavement: Width and Type — 22' BP | 20' BP | 18' BP | 20' BP | 20' AC | (10' AC) | 20' AC
- Shoulder: Width and Type — 5' GRASS / GRAVEL | 3'–6' GRASS

30.50 31.00 31.80 32.40 39.68 39.74

Divided Highway
- Median: Width and Type
- Median Barriers: (0–10' PAINTED AC)
- Shoulder: Width and Type
- Pavement: Width and Type — (10' AC)
- Shoulder: Width and Type — (3'–6' GRASS)

Number of Traffic Lanes — 2–11' | 2–10' | 2–9' | 2–10'
30.50 31.00 31.80

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) 39.55 39.72

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 (1)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous — FLAT 30.65 | ROLLING

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year) — B71 0200 02706

HPMS Sections – AADT 2007 — 830

HPMS Sections – AADT 2006 (Old Alignment) — 822

HPMS Sections – AADT 2005 (Old Alignment) — 929

DOD Sections

Census Tracts

Functional Classification — MINOR ARTERIAL (6)

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

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 1 mile

30 31 32 33 34 35 36 37 38 39 40

Date Released
FEB. 2006 D.B.

Revised	
7/06	D.B.
9/07	D.B.
1/09	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

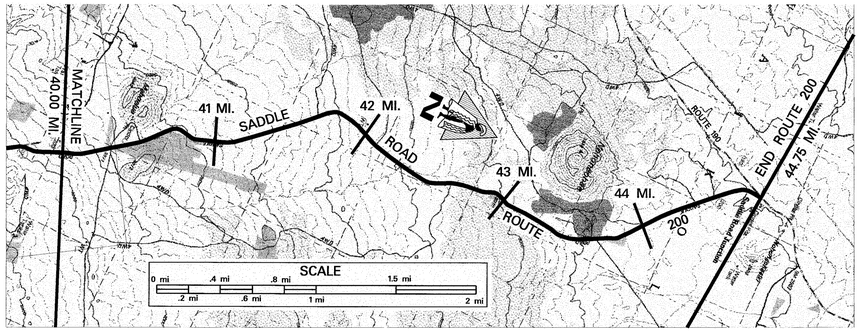
Total Route Length: 44.77 miles

a. Survey Length: 44.77 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

Structure Being Carried
- Vertical Clearance
- Horizontal Clearance

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

Available Right of Way Width (Needs Study)

Right of Way Fence: Type – Right and Left

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

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

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #4

END RTE 200 ON SADDLE ROAD AT THE EAST EDGE OF PAVEMENT OF MAMALAHOA HWY (RTE 190) 44.77 MI.

SCALE: (In Miles) 2" = 1 mile

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

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

Number of Traffic Lanes

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Speed: 1–Design, 2–Posted

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

HPMS Sectiona – AADT 2007

HPMS Sectiona – AADT 2006 (Old Alignment)

HPMS Sectiona – AADT 2005 (Old Alignment)

DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

Date Released
NOV. 05, D.B.

Revised	
7/06	D.B.
8/07	D.B.
1/09	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

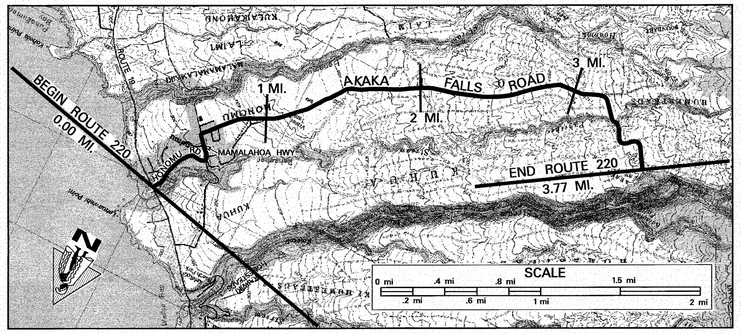
Total Route Length: 3.77 miles

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' (0.81) | 40' (0.89) | 1.08 | 80'

Available Right of Way Width (Needs Study) — RESIDENTIAL AREA | 1000' CLEAR SUGAR CANE FIELD – 15' FROM EDGE OF PAVEMENT

Right of Way Fence: Type – Right and Left

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

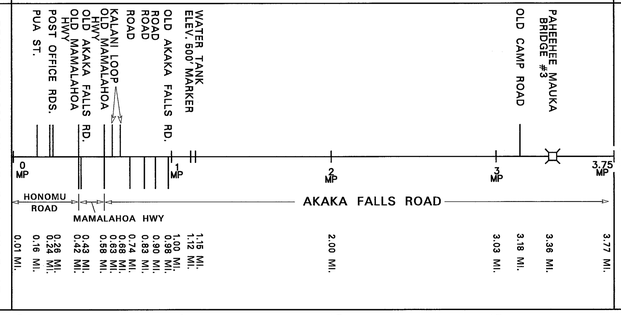
Jurisdiction, Transfer Phase No. and Date (C to S or S to C) — STA 8+70 | STATE

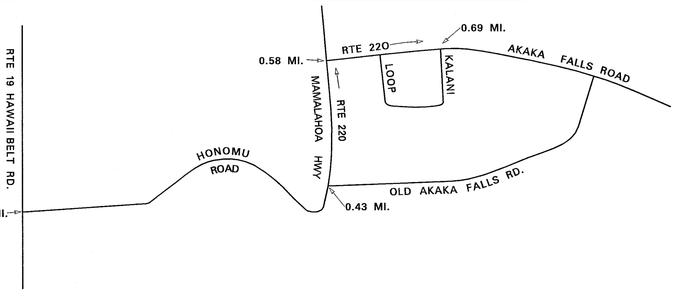
Project No., Type of Construction, and Year Constructed — STA 21+87.59 | 220A–01–03M RESURF 2005 (0.58) | 220A–01–02M, (R), 2004

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

Road Diagram

* MP = Milepost Signage





SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Divided Highway — Undivided

- **Shoulder: Width and Type** — 4' AC (0.24) | 5' AC | (0.48) 4.5' AC | 4' AC
- **Pavement: Width and Type** — 22' AC | (0.58) 38' AC | 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) — (0.43) 8' PARKING LANES (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 (1)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous — (1.20) ROLLING (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) 25 MPH (1) (3.25)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year) — 0.35 B71 0220 00000 | B71 0220 00098 2.00 | B71 0220 00303 3.60

HPMS Sections – AADT 2007 — 1,820 | 1,820 | 1,820

HPMS Sections – AADT 2006 — 1,800 | 1,800 | 1,800 (3.77)

HPMS Sections – AADT 2005 — 1,780 | (0.98) 1,780 | (3.03) 1,780

DOD Sections

Census Tracts

Functional Classification — MAJOR COLLECTOR (7)

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)) | 0.46 (S-246-1, 1950) | 220A-01-79M, 1979 (R); PMS-0100(9), UNIT 5

0.43 (S-246-1, 1950) CTY. (0+16) 0.59 (0+10) | 1.11 (220A-02-72, 1973) (27+50) | A-220-01-64, 1965 (105+00) | 2.69 (21+50) COUNTY | 3.07 (37+00) A-22-01-61, 1961 | 3.62 (7+50) CTY.

SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

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

ROAD INVENTORY

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

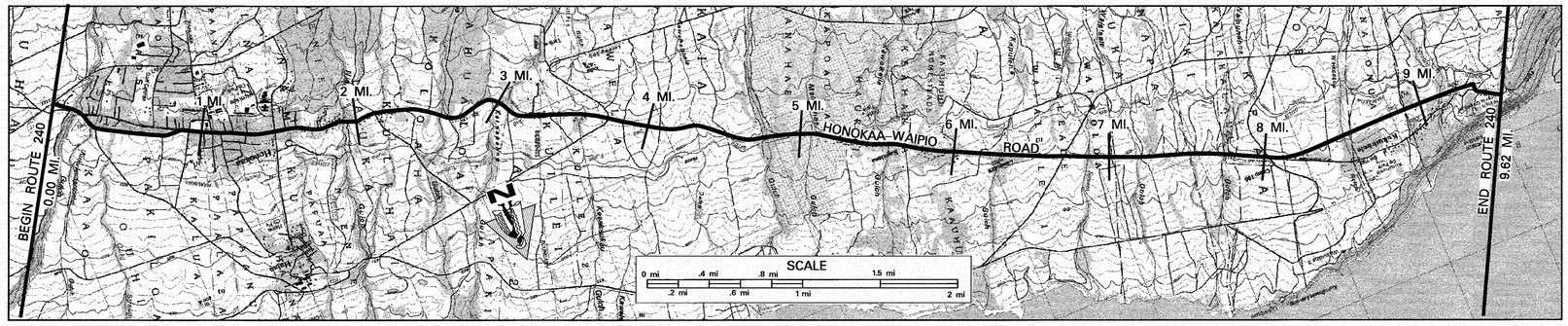
Total Route Length: 9.62 miles

a. Survey Length: 9.62 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

Structure Carrying Road

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

CULVERT 1953, HS 20 — 27′ — 0.21
TEE BEAM, 1967, HS 20 — 80′ — 1.96
CULVERTS 1966, HS 20 — 24′ — 51′ — 4.81
PRESTRESSED CONCRETE GIRDER 1967, HS 20 — 51′ — 5.01 — 154′ — 5.55 — 206′ — 7.79
PRESTRESSED CONCRTETE BEAM 1971 HS 20 / 1972 — 115′ — 6.84 — 67′ — 7.79
PRESTRESSED CONCRETE GIRDER 1979, HS 20–44 — 100′ — 8.17

Vertical Clearance

0.21 | 1.96 | 4.81 | 5.01 | 5.55 | 6.84 | 7.79 | 8.17

Horizontal Clearance

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

Structure Over Road

Vertical Clearance

8.70 | 8.81 | (170′–200′) | 9.34 | 9.48

Horizontal Clearance

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

80′–235′ | 0.02 | 40′–60′ | 0.82 | 80′–100′ | 2.07 | 80′–138′ | 3.88 | 80′–174′ | 5.39 | 80′–110′ | 5.75 | 80′–215′ | 8.02 | 90′ | 8.21 | 90′–130′ | 8.52 | 100′–130′ | 8.70 | 130′ | 8.81 | 100′–110′ | 8.93 | 140′ | 9.27 | 100′–130′ | 9.34 | 90′–100′ | 9.48 | 70′

Available Right of Way Width (Needs Study)

(1000′ CLEAR 15′–20′ FROM E.P.) | 0.15 | SUGAR CANE (L) RESIDENTIAL (R) | 0.98 | RESIDENTIAL / TOWN | 2.27 | 1000′ CLEAR – SUGAR CANE 15′–20′ FROM E.P. | 3.19 | RES. AREA | 3.35 | 1000′ CLEAR – SUGAR CANE 15′–25′ FROM E.P. | 4.53 | TREES & BUSHES | 5.20 | RESIDENTIAL AREA | 6.00 | 1000′ CLEAR – SUGAR CANE 25′ FROM E.P. | 7.17 | RESIDENTIAL AREA | 8.14 | RESIDENTIAL WITH SUGAR CANE ON SIDE | 9.21 | TREES & BUSHES | 9.49 | RES. AREA

Right of Way Fence: Type – Right and Left

0.83 | 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 | 8.07 | STATE | 9.41 | (COUNTY)

Project No., Type of Construction, and Year Constructed

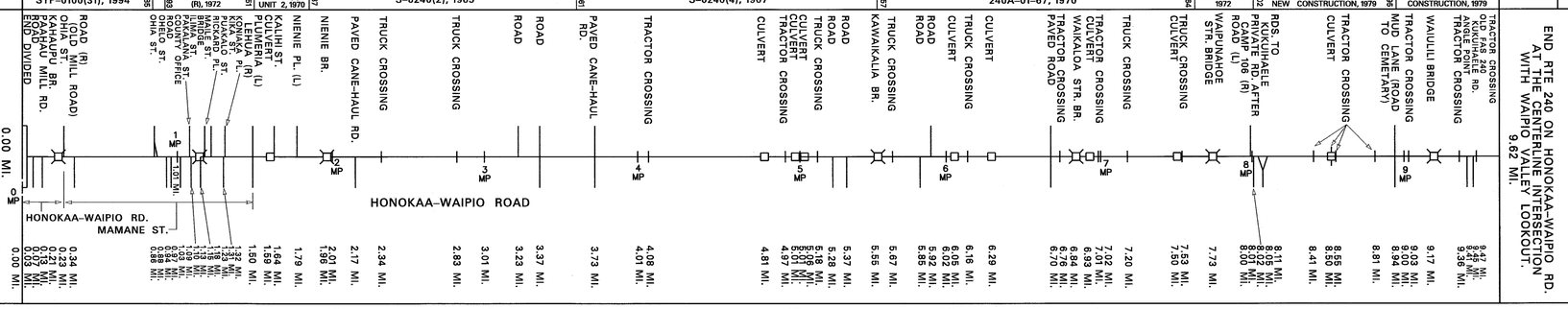
240A–01–92M, RESURFACE, 1994

Project No., Type of Construction, and Year Constructed

STP–0100(31), 1994 | 0.86 | 240A–01–72, (R), 1972 | 1.51 | S–0240(3) UNIT 2, 1970 | 1.87 | S–0240(2), 1965 | 3.81 | 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 | 8.66 | 240A–01–71, UNIT 2, NEW CONSTRUCTION, 1979

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided

Shoulder: Width and Type

3′–6′ AC | 0.84 | 6″ GRS. | 1.00 | 0′ | 1.14 | 1.23 — (3′–5′ AC) — 0′ — (6″ GRV.) 5′ | 1.48 | 7′ AC | 1.87 | 1.95 | 6′ AC | 7.74 | 7′ AC | 8.02 | 6′ AC

Pavement: Width and Type

24′ AC (43′ AC) | 0.94 | 32′ AC | 1.08 | 40′ AC | 1.28 | 51′ AC | 1.41 | 40′ AC (52′ AC) | 1.74 | 24′ AC

Shoulder: Width and Type

3′–6′ AC | 0.84 | 6″ GRS. | 1.00 | 0′ | 1.14 | 1.23 — (3′–5′ AC) — 0′ — (6″ GRV.) 5′ | 1.48 | 7′ AC | 1.87 | 1.95 | 6′ AC | 7.74 | 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

(2–17.5′) | 1.26 | 1.41 | (2–18′)
2–12′ | 0.94 | 1.00 | 2–12′ | 1.48 | 2–12′

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

8′ PARKING LANE | 1.69

(Right Side)

1.58 | 1.62 | 1.74
0.94 | 8′ PARKING LANE | 1.58

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

Sidewalk: Width and Type (Right and Left)

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

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

CONC. CURB (L)&(R)

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

+7 | 0.13 | 0.42 | +1 | 0.73 | 3.82 | +2 | 3.89 | 3.95 | +4 | 4.08 | 4.44 | +2 | 4.57 | 6.07 | 6.05 | +1 | 6.20 | 6.66 | −2 | 6.85 | 7.85 | −2 | 8.00

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL (1)

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

ROLLING | 1.69 | MOUNTAINOUS | 3.20 | ROLLING | 7.94 | MOUNTAINOUS

Speed: 1–Design, 2–Posted

55 MPH (2) | 0.84 | 25 MPH (2) | 1.97 | 45 MPH (2) (MIN. 30 MPH) | 3.18 | 3.34 | 45 MPH (2) | 5.93 | 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 | 0.50 | B71 0240 00086 | 1.40 | B71 0240 00150 | 3.00 | B71 0240 00323 | 4.30 | B71 0240 00501 | 5.54 | 6.84 | B71 0240 00602 | 7.74 | B71 0240 00773 | B71 0240 00811 | 9.16 | B71 0240 00917 | 9.45 | 9.62

HPMS Sections – AADT 2007

4,245 | 5,255 | 2,630 | 2,020 | 2,020 | 2,020 | 2,020 | 2,020 | 2,020

HPMS Sections – AADT 2006

4,200 | 5,200 | 2,600 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000

HPMS Sections – AADT 2005

4,190 | 5,180 | 2,620 | 2,020 | 2,020 | 2,020 | 2,020 | 2,020 | 2,020
0.86 | 1.50 | 3.23 | 5.01 | 6.02 | 7.73 | 8.11 | 9.17

DOD Sections

Census Tracts

Functional Classification

MAJOR COLLECTOR (7)

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 | 7.64 | COUNTY
49 + 84.44 | 0 + 00 | 29 + 00 | 527 + 00 | 563 + 20 | 497 + 21.56 | 418 + 00 | 307 + 43.26 | 203 + 42.40
(S–0240(3) U–2, 1970) | (S–0240(3), UNIT 1, 1966)

SCALE: (In Miles) 2" = 1 mile

Date Released
OCT. 05, DB

Revised	
7/06	DB

ROAD INVENTORY

HAWAII RTE 250
KOHALA MOUNTAIN ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

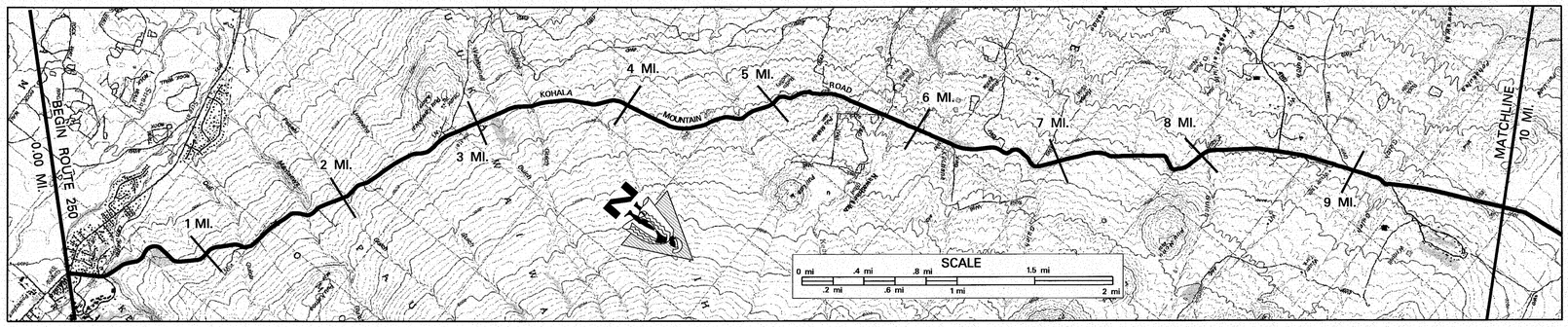
Total Route Length: 19.28 miles

a. Survey Length: 19.28 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Maintenance Control Sections : Length and Description

Begin 250A on Kohala Mountain Road 34' N.W. of West E.P. of Kawaihae Rd. — 250 A (19.23 mi.)

Structure Carrying Road

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

50' Slab HS 20 1961 (5.90) — 31' Culvert H20 1953 (6.82)

Vertical Clearance

36' — 18'

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

60' (Stonewall) 0.00–3.85 — 80'–120' 3.85–4.54 — 80'–130' 4.54–5.39 — 80'–145' 5.39–5.85 — 80' 5.85–6.97 — Heavy Trees 6.97–7.46 — Estimated 80'–140'

Available Right of Way Width (Needs Study)

Mountainous Ranch / Pastureland with Trees 0.10–5.25 — Mountainous Pasture with Trees (1000' Clear most of the way) 7.46–

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

Wood Fence 16' E.P. 0.25–0.29 — Wire on Wooden Posts 10'–50' from Edge of Pavement 3.10–6.81

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

None

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

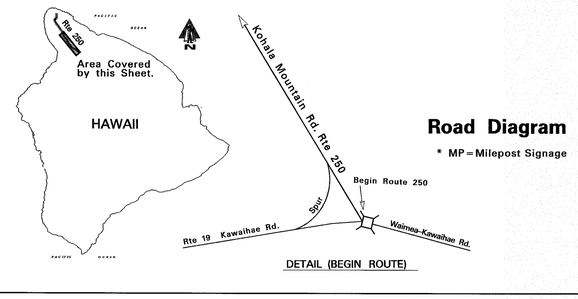
State

Project No., Type of Construction, and Year Constructed

(250A–01–91M (R) 1992) 3.86–6.40

Project No., Type of Construction, and Year Constructed

250A–01–90M (R) 1991 — STP–0100 (31), 1994 Guardrail Improv. 3.86–6.40 — 250A–01–91M (R) 1992 6.40–7.64 — 250A–01–92M (R) 1993



Road Diagram

* MP=Milepost Signage

BEGIN ROUTE 250 ON KOHALA MOUNTAIN ROAD AT THE NORTHWEST EDGE OF PAV'T OF KAWAIHAE ROAD. (RTE 19) (SEE DETAIL)

0.00 mi. 0.00 MP 0.00 KM — Road Lankapu Estates Roads to Kaahumanu Spur to Kawaihae Rd. — Culvert — 3000' Elev. Sign — KOHALA MOUNTAIN ROAD — Road to Com. Sta. — Lookout — Honokoa Bridge — 3564' Crest — Kawaihae Uka Bridge — Culvert "District of North Kohala" Sign — Road to Kohala Ranch — Kahua Ranch Road Culvert — Culvert — 3000' Elev. Sign Culvert

0.08 0.08 mi. 0.22 mi. 0.18 mi. 0.31 mi. 0.43 mi. 1.08 mi. 1.43 mi. 2.16 mi. 2.44 mi. 3.44 mi. 4.44 mi. 5.07 mi. 5.35 mi. 5.44 mi. 5.90 mi. 6.32 mi. 6.45 mi. 6.82 mi. 7.45 mi. 8.08 mi. 8.24 mi. 8.50 mi. 8.46 mi. 9.29 mi. 9.21 mi. 9.49 mi. 9.63 mi. 9.79 mi. 9.80 mi.

CONTINUED ON SHEET #2.

SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Divided Highway Undivided

Shoulder: Width and Type

1' AC/ 6" Grs. 0.00–0.24 — 2' AC 0.24–0.38 — 2' AC / 2' Grs. 0.38–0.80 — 2' AC / 4' Grs. 0.80–1.79 — 2' AC / 8' Grs. 1.79–2.76 — 2' AC / 2' Grs. 2.76–4.01 — 6'–10' AC 4.01–4.58 — 18' AC 4.58–5.24 — (23' AC) 5.24–5.38 — 25' AC 5.38–6.11 — 2' AC / 4' Grs. 6.11–9.41 — 20' AC 9.41–9.98 — 20' AC 9.98–

Pavement: Width and Type

(4' AC / 2' Grv.) 0.38–0.80 — 20' AC 0.80–2.86 — 18' AC 2.86–3.84 — 24' AC 3.84–4.58 — 6'–8' AC 4.20–4.42 — 2' AC / 2' Grs. 4.42–5.33 — 2' AC / 8' Grs. 5.33–5.38 — 2' AC / 4' Grs. 6.11–6.41 — 20' AC 6.41–7.48 — 18' AC 7.48–9.18

Shoulder: Width and Type

4' AC / 2' Dirt 0.00–0.70 — 2' AC / 2' Grs. 0.70–4.20 — 6'–8' AC 4.20–4.42 — 2' AC / 2' Grs. 4.42–5.33 — 2' AC / 4' Grs. 6.11–6.41 — 2' AC / 2' Grs. 6.41–9.18

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

2–10' 0.00–2.86 — 2–9' 2.86–3.84 — 2–12' 3.84–4.58 — 2–9' 4.58–5.38 — (1–11') 5.38–5.44 — 1–13' 5.44–6.41 — 1–12' 5.44–6.41 — 2–10' 6.41–7.48 — 2–9' 7.48–9.18 — 2–10' 9.18–

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 — M/C M/C — M/C — M/C —

ROAD INVENTORY

HAWAII RTE. 250

KOHALA MOUNTAIN ROAD AND HAWI ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

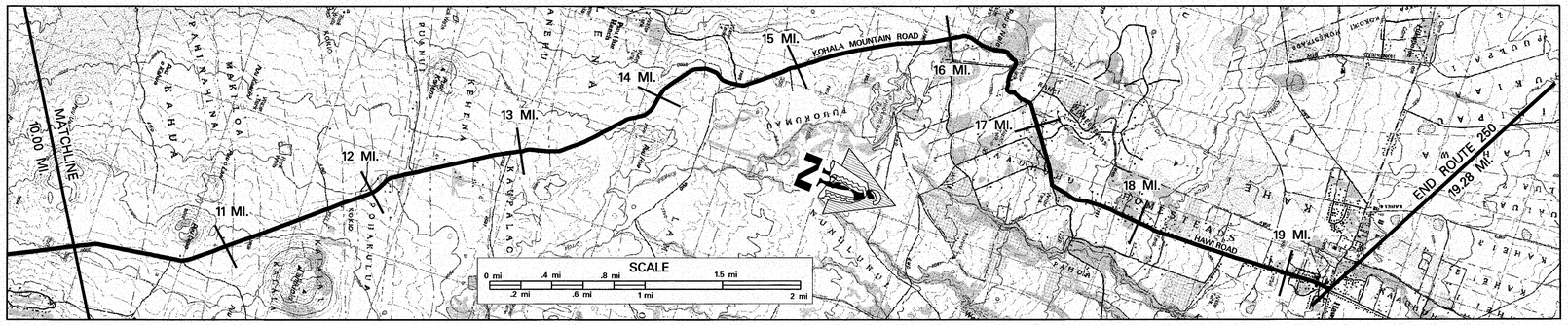
Total Route Length: 19.28 miles

a. Survey Length: 19.28 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

250A (19.23 mi.)

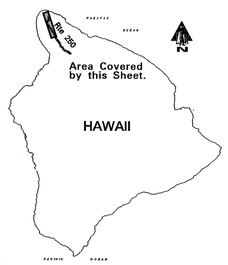
Structure Carrying Road

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

Structure Over Road

- Vertical Clearance
- Horizontal Clearance

- Right of Way Width (min.–max.) if varies — Estimated 80'–140' | Estimated 80'–100'
- Available Right of Way Width (Needs Study) — Mountainous, Pasture w/ Trees (1000' Clear, Most of the Way)
- Right of Way Fence: Type – Right and Left (W/W=Wire on Wood, E.P.=from Edge of Pavement) — W/W 20' E.P.; W/W 15'–50' E.P.; W/W 15' E.P.; W/W 15' E.P.; W/W 12' E.P.; W/W 20' E.P.; W/W 10' E.P.; W/W 12' E.P.
- Control of Access: 1–None, 2–Partial, 3–Full — None
- Jurisdiction, Transfer Phase No. and Date (C to S or S to C) — State
- Project No., Type of Construction, and Year Constructed — 250A-01-02M, Resurface 2005; 250A-01-89M (R) 1989; 250A-01-91M (R) 1992
- Project No., Type of Construction, and Year Constructed — 250A-01-02M,(R) 1993; 250A-01-96M, Resurface 2000



Road Diagram

* MP=Milepost Signage

CONTINUED FROM SHEET #1

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

KOHALA MOUNTAIN ROAD — HAWI ROAD

Culvert; Culvert Ranch Road; Culvert; 250' Elev. Sign; Driveway; Paved Road; Rd. to FAA Station; Paved Road; Kam. Preschool Ent. (L); Bear's Road (R); Pu'u Mamo Drive; Kynnersly Road; Kainoa Road; angle point; Paved Road; Kaauhuhu Road; Future Development; Paved Road; Paved Road; Paved Road (L)

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; (4' AC); (15'–20' 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 — 2–10'; 2–11'; 2–10'
- Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
- (Right Side)
- Frontage Road: No. of Lanes, and Width (Right and Left)
- Sidewalk: Width and Type (Right and Left)
- Curb and/or Gutter: Type (Right and Left)
- Protective Devices: Type, Location and Number (Metal Rail on Metal Post unless otherwise noted. M/C=Metal Rail on Concrete Post.) — M/C; M/C; M/C; M/C; 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 (1)
- 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 00177; B71 0250 01709; B71 0250 01857
- HPMS Sections – AADT 2007 — 2,225; 3,030; 4,145
- HPMS Sections – AADT 2006 — 2,200; 3,000; 4,100
- HPMS Sections – AADT 2005 — 2,180; 2,940; 4,030
- DOD Sections
- Census Tracts
- Functional Classification — Major Collector (7)
- 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; 5239(1), 1956; S-239(1), 1954; 250A-01-72, 1972, County

SCALE: (In Miles) 2" = 1 mile

Date Released
Nov. 2003, D.B.

Revised	
7/06	D.B.

ROAD INVENTORY

HAWAII RTE 270
KAWAIHAE ROAD–AKONI PULE HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

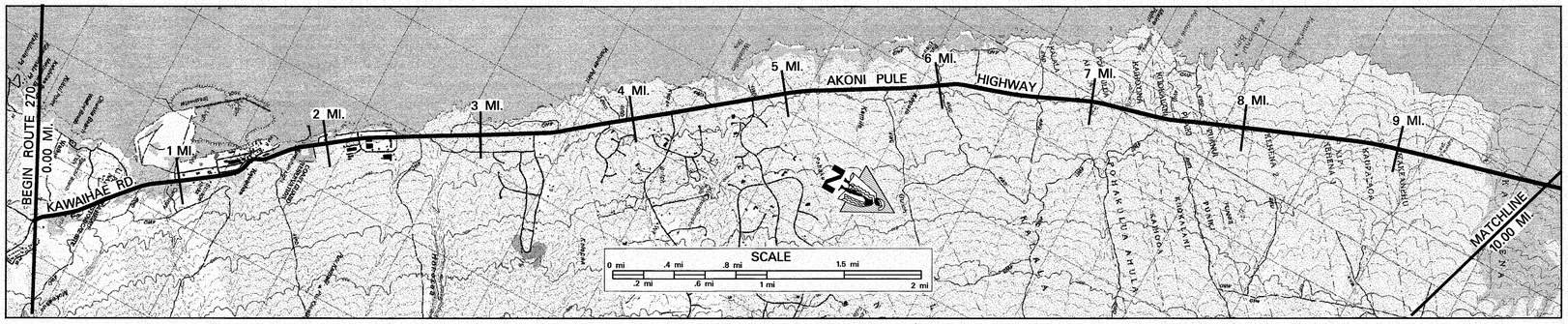
Total Route Length: 27.02 miles

a. Survey Length: 27.02 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

BEGIN 27A SAME AS BEGIN RTE 270 — 27 A (1.50 MI.) — END 27A – BEGIN 270A AT CENTERLINE ROAD TO KAWAIHAE WHARF. — 270A (11.44 MI.)

Structure Carrying Road

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

TEE BEAM 1960 HS–20 59' | SLAB 1960 HS–20 31' | SLAB 1960 HS–20 52' | PRESTRESSED BEAM 1965, HS–20 165'

Vertical Clearance

28' | 40' | 40' | 28'

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

60' – 80' | 60' | 80' – 180'

Available Right of Way Width (Needs Study)

BRUSH & TREES | RES. AREA | BRUSH & TREES | RES. AREA | CLEAR 1000' BUSHES & SMALL TREES (SOME CUT SLOPES)

Right of Way Fence: Type – Right and Left

(CHAINLINK 10' FROM E.P.) | (STONE WALL 10' FROM E.P.) | (STONE WALL 10' FROM PAVMT.) | (CHAINLINK 10' FROM PAVMT.) | (STONE WALL)

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

NONE

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

STATE | (COUNTY TO STATE, PHASE 2)

Project No., Type of Construction, and Year Constructed

(NH-019-1(29), GUARDRAIL & SHLDR. IMPR., 2006) | FLH-0270(18) INTER. IMP., 2006 | STP-0270(13), SHLDR. IMPRV. 1998 | (FLH-0270(17), INTER. IMP., 2006)

Project No., Type of Construction, and Year Constructed

(19CD-01-97M, RESURF., 1998) | 270A-01-99M, RESURF., 2001 (270A-01-99M, RESURF., 2001) | 270A-01-96M, (R), 1997 | STP-0270(13), 1998, (SHLDR. IMPRV.) | 270A-01-83M, 1983, (R)

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

BEGIN ROUTE 270 ON KAWAIHAE ROAD AT THE NORTHWEST EDGE OF PAV'T OF QUEEN KAAHUMANU HIGHWAY (RTE 19). 0.00 MI.

END DIVIDED HWY | BEGIN DIVIDED ROAD | END DIVIDED & BEGIN DIVIDED | END DIVIDED | POHAUKOLE BRIDGE | SPENCER PARK RD. | T.C. ACCESS RD. 0.78 MI. | MAKAHUNA BRIDGE | ROAD TO HARBOR | KAKEAHUA BRIDGE | ROAD TO HARBOR | KAWAIHAE ROAD | ROAD TO KAWAIHAE HARBOR | CULVERT | KAEWA PL. | KALAEOLO ST. (L) MALUOKALANI ST. (R) | CULVERT | MALUOKALANI ST. (L) | CULVERT | HONOKOA BRIDGE | BEGIN DIVIDED | KALO O' LO'O DR. | END DIVIDED | BEGIN DIVIDED | "DISTRICT OF KOHALA" SIGN | END DIVIDED | BEGIN DIVIDED | HOKULELE DR. "ON THE SEA" BY | END DIVIDED | ALA KAHUA | BEGIN DIVIDED | END DIVIDED | BEGIN DIVIDED | ROAD TO KOHALA RANCH | END DIVIDED | CULVERT | CULVERT | CULVERT | CULVERT | CULVERT | CULVERT | CULVERT | CULVERT | CULVERT | KAIHOLENA PLACE

MP 1 | MP 2 | MP 3 | MP 4 | MP 5 | MP 6 | MP 7 | MP 8 | MP 9 | MP 10 | MP 11

KAWAIHAE ROAD — AKONI PULE HWY

0.00 MI. | 0.10 MI. | 0.19 MI. | 0.27 MI. | 0.32 MI. | 0.43 MI. | 0.53 MI. | 0.69 MI. | 0.78 MI. | 0.86 MI. | 0.97 MI. | 1.10 MI. | 1.25 MI. | 1.36 MI. | 1.42 MI. | 1.50 MI. | 1.58 MI. | 1.72 MI. | 1.94 MI. | 2.08 MI. | 2.20 MI. | 2.30 MI. | 2.44 MI. | 2.64 MI. | 3.10 MI. | 3.13 MI. | 3.34 MI. | 3.66 MI. | 3.81 MI. | 3.84 MI. | 4.08 MI. | 4.10 MI. | 4.25 MI. | 4.49 MI. | 4.64 MI. | 4.77 MI. | 4.99 MI. | 5.10 MI. | 5.26 MI. | 6.10 MI. | 6.23 MI. | 6.55 MI. | 6.88 MI. | 6.94 MI. | 7.10 MI. | 7.61 MI. | 8.04 MI. | 8.10 MI. | 9.10 MI. | 9.19 MI. | 9.73 MI.

CONTINUED ON SHEET #2

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type — 7' AC | 6' AC | 7' AC | 5' CORAL | 6' SEAL COAT | 12' AC | 6' SEAL COAT | 6' AC | 6' SEAL COAT

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

Shoulder: Width and Type — (0) | 7' AC | 0 | 6' AC | 0 | 7' AC | 5' CORAL | 6' SEAL COAT | 0 | (6' SEAL COAT) 0 | 0 | 6' SEAL COAT | 0 | 6' AC | 6' SEAL COAT

Divided Highway – Divided

Median: Width and Type — (10' PAINTED AC) | 0'–15' PAINTED AC | 12' PAINT | 10' PAINT | 12' PAINT

Median Barriers:

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

Pavement: Width and Type — (11' AC) | 11' AC | 11' 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 | 6' AC

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

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

(Right Side) — 1–10' (L) T.L. | 12' T.Ls.

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number — ALL METAL ON CONCRETE — M/M | M/M | LP

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left) — 4 MV | 1 MV | 1 MV

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

HOV Lanes/Contra–Flow Lanes

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: — SMALL URBAN (2) | RURAL (1)

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year) — B71 0270 00000 | B71 0270 00136 | B71 0270 00244

HPMS Sections – AADT 2007 — 7,980 | 5,660 | 5,660

HPMS Sections – AADT 2006 — 7,900 | 5,600 | 5,600

HPMS Sections – AADT 2005 — 7,820 | 5,570 | 5,570

DOD Sections

Census Tracts

Functional Classification — PRINCIPAL ARTERIAL (14) | PRINCIPAL ARTERIAL (16) | MINOR ARTERIAL (6)

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

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

SCALE: (In Miles) 2" = 1 mile

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

ROAD INVENTORY

HAWAII RTE 270
AKONI PULE HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

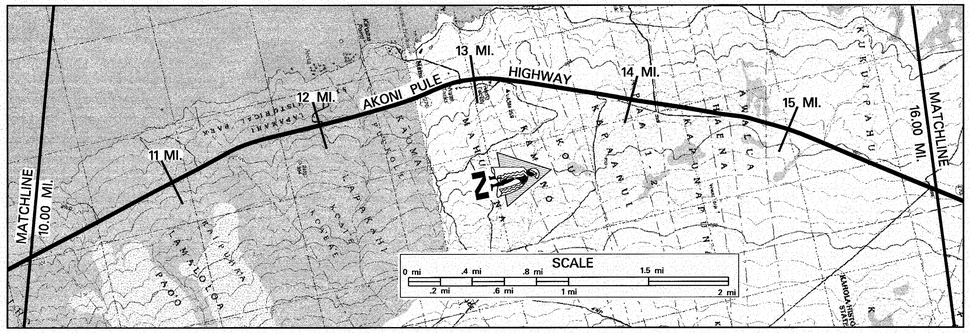
Total Route Length: 27.02 miles

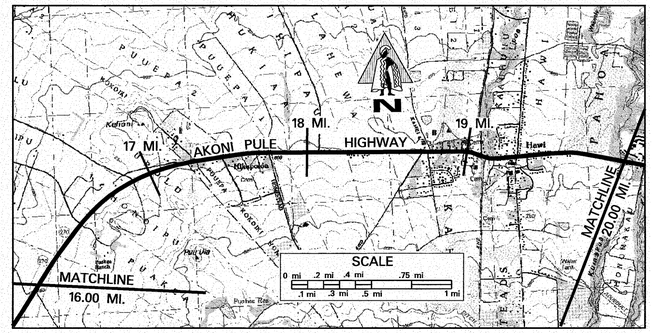
a. Survey Length: 27.02 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*





SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

270A (11.44 MI.) | 12.94 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

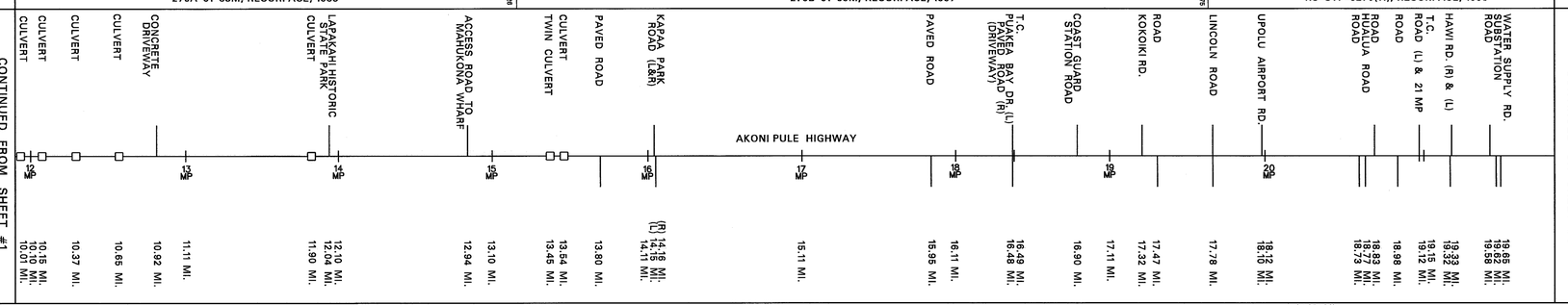
- Right of Way Width (min.–max.) if varies: 80'–180' (12.94) 60'–200'
- Available Right of Way Width (Needs Study): CLEAR 1000', GRASS AND FEW TREES, 50' FROM EDGE OF PAVEMENT
- Right of Way Fence: Type – Right and Left: (15.80) WIRE ON WOOD 50' FROM EDGE OF PAVEMENT / WIRE ON WOOD 50' FROM EDGE OF PAVEMENT
- Control of Access: 1–None, 2–Partial, 3–Full
- Jurisdiction, Transfer Phase No. and Date (C to S or S to C): COUNTY TO STATE PHASE 2 (14.23) STATE (18.10) COUNTY TO STATE PHASE 2
- Project No., Type of Construction, and Year Constructed: 270A–01–83M, RESURFACE, 1988 (13.28) 270B–01–69M, RESURFACE, 1997 (17.75) RS–STP–0270(11), RESURFACE, 1996
- Project No., Type of Construction, and Year Constructed

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #1



CONTINUED ON SHEET #3

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

- Shoulder: Width and Type: 6' SEAL COAT (13.24) 10' GRAVEL (17.78) 10' GRASS (18.38) 10' GRASS (19.14) 0 (19.40) 8' BP
- Pavement: Width and Type: 24' AC (18.38) 24' AC (19.40)
- Shoulder: Width and Type: 6' SEAL COAT 10' GRAVEL (18.38) 10' GRASS (18.38) 8' GRASS (19.40) 0 (19.50) 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' (19.14) (2–14') 2–12' (19.40)
- Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 2–12' (19.14) 8' PARK (19.24)
- (Right Side): 8' PARK (19.24)
- Frontage Road: No. of Lanes, and Width (Right and Left)
- Sidewalk: Width and Type (Right and Left): METAL RAILS ON CONC. POSTS (10.01) (19.50) 4' 6' BP S.W.
- Curb and/or Gutter: Type (Right and Left): (19.40) 4 (CURB (L & R))
- Protective Devices: Type, Location and Number: ALL METAL ON METAL
- Illumination: Type, Location and Number: 1 M.V. (17.88) M.V. (18.72) (19.52)
- Curves: Degree of Curvature (Right and Left)
- Grades: % Grade, Positive or Negative: –2 (10.39) –1 (11.10) –1 (11.50) –1 (12.11) –2 (13.46) +4 (14.27) –1 (16.16) +4 (16.54) +1 (17.40) +1 (17.72) +1 (19.40) +1 (19.77)
- HOV Lanes/Contra–Flow Lanes
- Vertical Curve: Crest or Sag, Curve Limits
- Area and Development: RURAL (1)
- Terrain: 1–Flat, 2–Rolling, 3–Mountainous: ROLLING
- Speed: 1–Design, 2–Posted: 55 MPH (2) (MIN. 40 MPH (2)) (16.76) 45 MPH (2) (16.76) 35 MPH (2)
- Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)	B71 0270 00244 (12.73)	B71 0270 01294 (16.11)	B71 0270 01648 (17.97)	B71 0270 01810 (19.18)	B71 0270 01933
HPMS Sections – AADT 2007	5,660	5,355	5,355	5,555	5,960
HPMS Sections – AADT 2006	5,600	5,300	5,300	5,500	5,900
HPMS Sections – AADT 2005	5,570	5,230	5,230	5,460	5,890
DOD Sections	(12.94)	(16.48)	(18.10)	(19.33)	

- Census Tracts
- Functional Classification: MINOR ARTERIAL (6) MAJOR COLLECTOR (7) (19.33)
- 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 (16.92) STA. 147+09	S–0270(3), 1972 (17.75) STA. 244+92.38 STA. 295+36.71	S–203(2), 1951	

SCALE: (In Miles) 2" = 1 mile

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

ROAD INVENTORY

HAWAII RTE 270
AKONI PULE HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

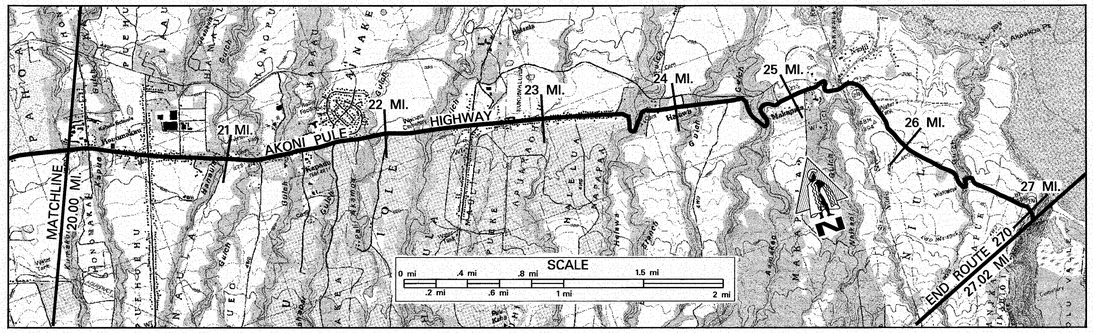
Total Route Length: 27.02 miles

a. Survey Length: 27.02 miles

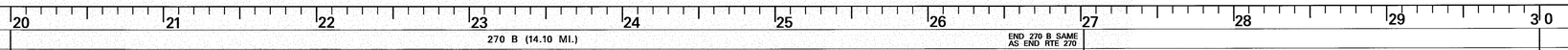
b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile



Maintenance Control Sections : Length and Description

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

Structure Carrying Road

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

	TWIN ARCH CULVERTS 1980	TEE BEAM 1919, ES–H10	TEE BEAM 1918, ES–H10	TEE BEAM 1918, ES–H10
	26′ (23.02)	160′ (24.18)	80′ (24.69)	22′ | 33′ (25.39 / 25.36)

Vertical Clearance

Horizontal Clearance

	36′	18′	18′	18′ | 18′

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

40′–100′

Available Right of Way Width (Needs Study)

1000′ CLEAR GRS. & TREES, 50′ FROM E.P. (20.79) | RESIDENTIAL AREA (21.17) | 1000′ CLEAR, BRUSH & GRASS 30′ FROM EDGE OF PAVEMENT (22.01) — RESIDENTIAL DISTRICT

Right of Way Fence: Type – Right and Left

WIRE ON WOOD 50′ FROM E.P. (20.79)
WIRE ON WOOD 50′ FROM E.P. (20.84)

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

NONE

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

STATE

Project No., Type of Construction, and Year Constructed

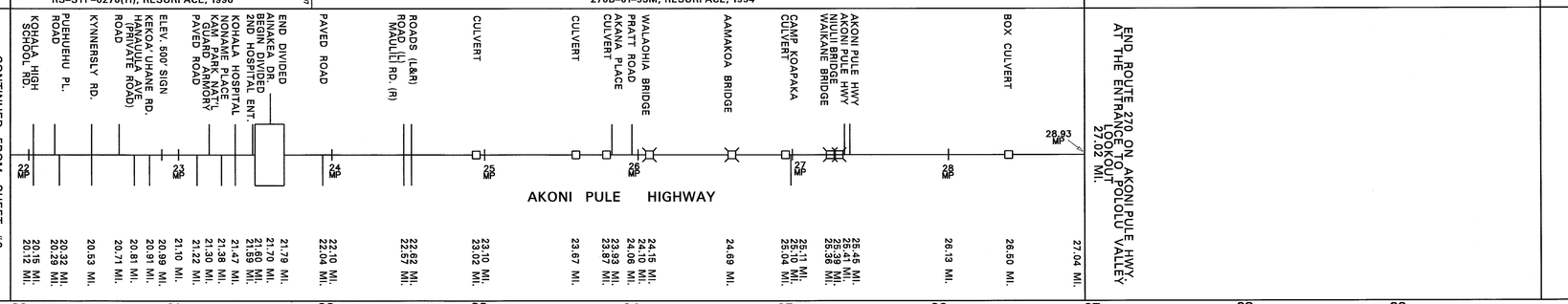
RS–STP–0270(11), RESURFACE, 1996 (21.97) — 270B–01–93M, RESURFACE, 1994

Project No., Type of Construction, and Year Constructed

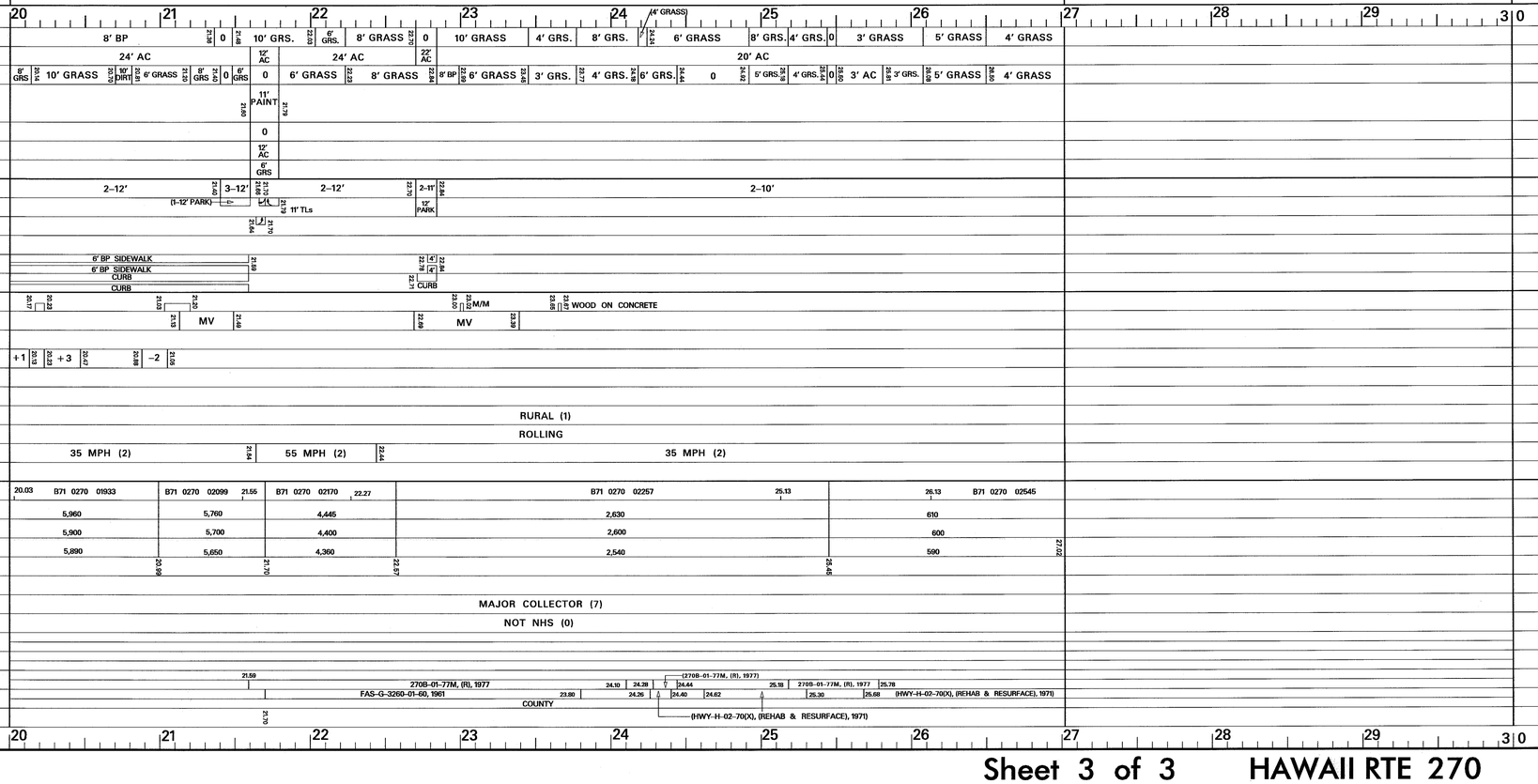
Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #2



SCALE: (In Miles) 2" = 1 mile



Divided Highway — Undivided

Shoulder: Width and Type

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

Pavement: Width and Type

24′ AC | 2½″ AC | 24′ AC | 2½″ AC | 20′ AC

Shoulder: Width and Type

6″ GRS | 10′ GRASS | 1½″ DIRT | 6′ GRASS | 6″ GRS | 0 | 6″ GRS | 6′ GRASS | 8′ GRASS | 0 | 8′ BP | 6′ GRASS | 3′ GRS. | 4′ GRS. | 6′ GRS. | 0 | 5′ GRS. | 4′ GRS. | 0 | 3′ AC | 3′ GRS. | 5′ GRASS | 4′ GRASS

Median: Width and Type

11′ PAINT

Median Barriers:

Shoulder: Width and Type

0

Pavement: Width and Type

2½″ AC

Shoulder: Width and Type

6″ GRS

Number of Traffic Lanes

2–12′ | 3–12′ | 2–12′ | 2–11′ | 2–10′

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

(1–12′ PARK) | 11′ TLs | 1½′ PARK

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

6′ BP SIDEWALK | 4′ | 4′ | 6′ BP SIDEWALK

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

CURB | 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 (1)

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

ROLLING

Speed: 1–Design, 2–Posted

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

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

HPMS Sections – AADT 2007	5,960	5,760	4,445	2,630	610
HPMS Sections – AADT 2006	5,900	5,700	4,400	2,600	600
HPMS Sections – AADT 2005	5,890	5,650	4,360	2,540	590

DOD Sections

Census Tracts

Functional Classification

MAJOR COLLECTOR (7)

National Highway System (NHS)

NOT NHS (0)

Previous Projects: Project No., Date and Limits

270B–01–77M, (R), 1977
FAS–G–3260–01–60, 1961
COUNTY
(270B–01–77M, (R), 1977)
270B–01–77M, (R), 1977
(HWY–H–02–70(X), (REHAB & RESURFACE), 1971)
(HWY–H–02–70(X), (REHAB & RESURFACE), 1971)

SCALE: (In Miles) 2" = 1 mile

Date Released
SEPT. 05, D.B.

Revised	
7/06	D.B.

ROAD INVENTORY
HAWAII RTE 1370
KALANIANAOLE STREET

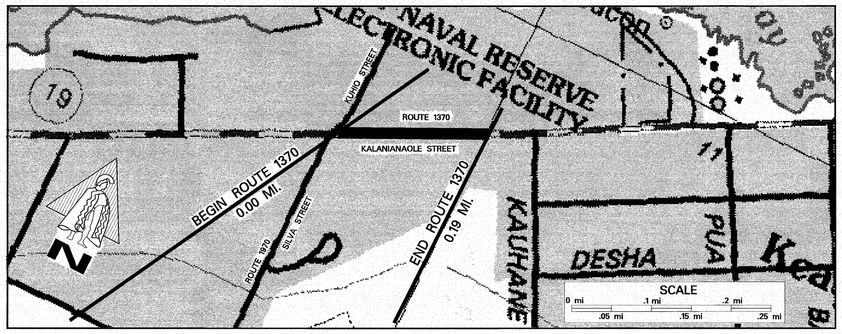
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 0.19 miles
a. Survey Length: 0.19 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 20" = 1 mile

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

Maintenance Control Sections : Length and Description

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

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

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

Available Right of Way Width (Needs Study)

Right of Way Fence: Type – Right and Left
0.03: 0.04 — Chainlink 10' from E.P. / Chainlink 60' from E.P.

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

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

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

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

Spur — Begin Divided

KALANIANAOLE STREET

0.01 mi. | 0.11 mi.

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

SCALE: (In Miles) 20" = 1 mile

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

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

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

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

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

(Right Side): 0.13 — 9' T.L.

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

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

Curb and/or Gutter: Type (Right and Left): 0.03 — 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 0.13

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban (2)

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

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 — 0.09

HPMS Sections – AADT 2007: 9,990

HPMS Sections – AADT 2006: 9,891

HPMS Sections – AADT 2005: 0.00 — 11,669 — 0.19

DOD Sections

Census Tracts

Functional Classification: Principal Arterial (14)

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

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 20" = 1 mile

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

Date Released
MAR. 05, D.B.

Revised	
7/06	D.B.

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

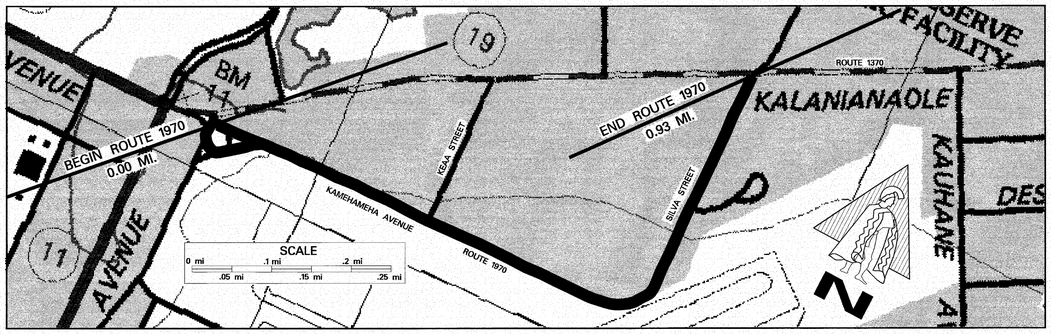
Total Route Length: 0.93 miles

a. Survey Length: 0.93 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 20" = 1 mile

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

Maintenance Control Sections : Length and Description

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

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

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

Available Right of Way Width (Needs Study)

Right of Way Fence: Type – Right and Left — 0.13 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)

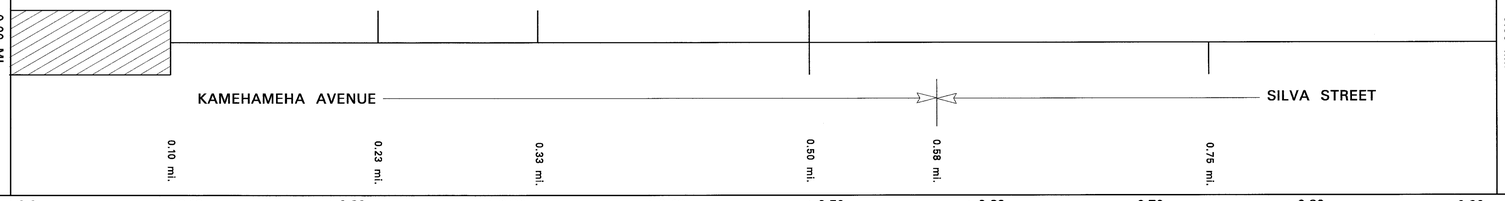
Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 20" = 1 mile

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

Divided Highway — Undivided
- Shoulder: Width and Type — 2' AC | 0.08 2' AC / 6' Grass 0.12 | 10' AC 0.20 | 2' AC / 10' Grass 0.78 | 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

Divided Highway
- 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 | 0.08 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 — 0.67 Metal Rails on Metal Posts 0.94

Illumination: Type, Location and Number — 0.88 4 Luminairs

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban (2)

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year) — B71 1970 00000 | B71 1970 00063

HPMS Sections – AADT 2007 — 1,315 | 406

HPMS Sections – AADT 2006 — 1,298 | 700

HPMS Sections – AADT 2005 — 921 | 709

DOD Sections — 0.83

Census Tracts

Functional Classification — Principal Arterial (14)

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

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 20" = 1 mile

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

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

ROAD INVENTORY
HAWAII RTE 2000
PUAINAKO ST., PUAINAKO ST. EXTENSION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

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

SCALE: (In Miles) 4" = 1 mile

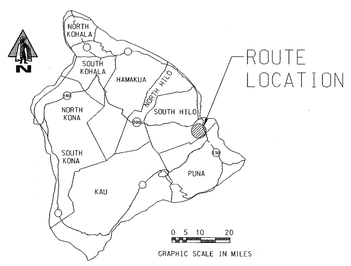
Maintenance Control Sections : Length and Description

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

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

Structure over Road
- Vertical Clearance
- Horizontal Clearance

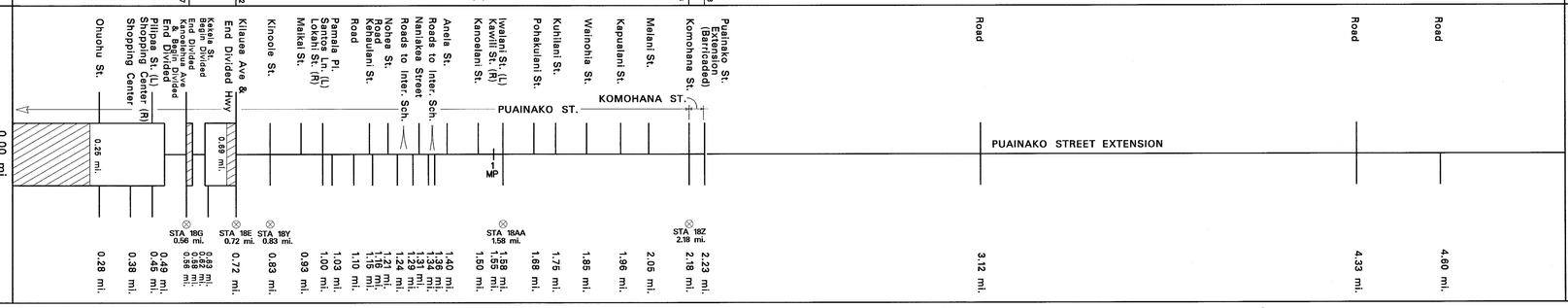
Right of Way Width (min.–max.) if varies	Varies 50'–80' / 120'
Available Right of Way (Needs Study)	Rock Walls & Chain Link; Residential Area (2.26)
Right of Way Fence: Type – Right and Left	Chain Link (0.29–0.53); Chain Link (0.47–0.83); Chain Link (0.75–0.97); Rock Walls & Chain Link (1.39–1.77); Various (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) 0.46–0.62; (2000E-01-7M, (R) 1977) 0.47–0.72; 200E-01-90M (R), 1991 (2.18–2.22); County Project STP-2000(4), New Construction 2004
Project No., Type of Construction, and Year Constructed	



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.



CONTINUED ON SHEET 2.
5.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided

Shoulder: Width and Type	0 / 6'–8' AC (11' AC) (12' AC) / 2'–4' AC / 9' AC
Pavement: Width and Type	28' AC (0.18) / 12' AC / 36' AC / 50' AC / 24' AC / 24' AC (0.82) / 26' AC (2.23) / 24' AC
Shoulder: Width and Type	0 / 4'–8' AC / 0 / 8' AC / 0 / 0 / 9' AC

Median: Width and Type
Median Barriers:

42' Raised Grass (0.28) / 12' Painted AC (5' Painted AC) (0.48) / (11' Raised Conc.) (0.58–0.62) / (26' Raised Grass) / (12'–26' Painted AC)

Shoulder: Width and Type	0 / 0 / 0 / (26' AC)
Pavement: Width and Type	28' AC (0.18) / 12' AC / 26' AC
Shoulder: Width and Type	0 / (8' AC) (1–11') / 8' AC (0.72)

Number of Traffic Lanes	4–14' (0.18) / 2–12' / 1–12' 2–12' (0.69) / 2–12' / 2–12' (0.82) / 2–13' (2.23) / 2–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	0.24 0.28 0.33 0.38 0.42 0.48 0.53 0.58 0.63 0.66 0.72
(Right Side)	
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	0.28 Grs. S.W. / 0.49 4' AC S.W. / 0.55 / 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 (2.30)
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 (2)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Rolling
Speed: 1–Design, 2–Posted	30 MPH (2) (0.25) / 35 MPH (2) / 30 MPH (2) (0.85) / 35 MPH (2) (2.30) / 45 MPH (1)
Intersection Control Devices: Type, Location and Cycle Timing	0.36 4 Phase / 1.68 2 Phase
Traffic Stations (Current Year)	B71 2000 00000 (0.20) / B71 2000 00028 (0.48) / B71 2000 00056 (0.68) / B71 2000 00072 (0.92) / 1.48 B71 2000 00100 / 3.22 B71 2000 00218
HPMS Sections – AADT 2007	8,385 / 8,385 / 18,585 / 10,305 / 8,285 / 105
HPMS Sections – AADT 2006	8,300 / 8,300 / 18,400 / 10,200 / 8,200 / 100
HPMS Sections – AADT 2005	8,260 / 8,260 / 18,210 / 10,100 / 8,160 / 100
DOD Sections	(0.28) (0.56) (0.72) (1.00) (2.18)
Census Tracts	
Functional Classification	Major Collector (17)
National Highway System (NHS)	Not On NHS (0)
Previous Projects: Project No., Date and Limits	(S-18(1) 1948, 49) 0.00–0.83; 200E-01-77M, (R) 1977 (0.83–1.49); G-3221-01-62, 1962 1.49

SCALE: (In Miles) 4" = 1 mile

Date Released
Dec. 2003, DB

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

ROAD INVENTORY
HAWAII RTE 2000
PUAINAKO STREET EXTENSION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

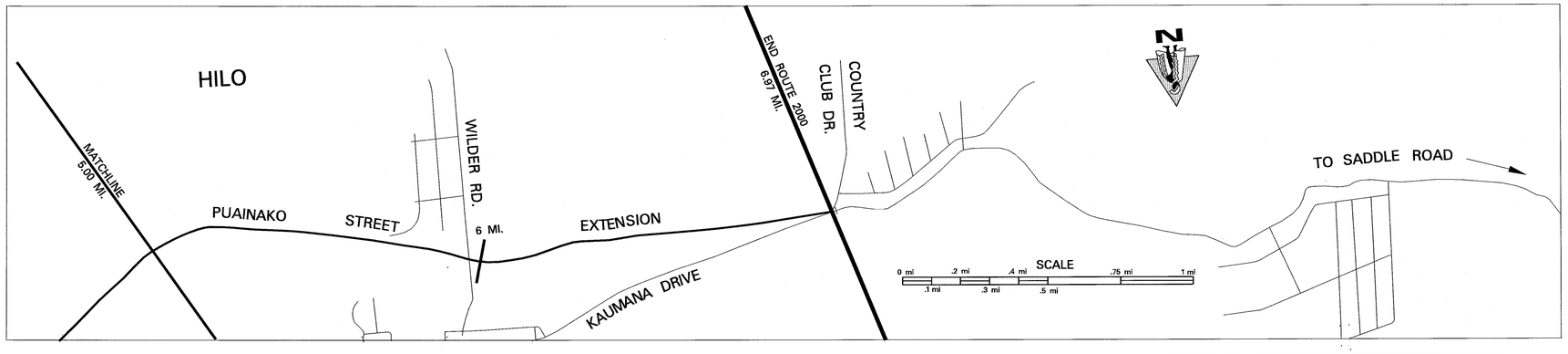
Total Route Length: 6.97 **miles**

a. Survey Length: 6.97 **miles**

b. Proposed Length: 0.00 **miles**

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

*



SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

Maintenance Control Sections : Length and Description

Structure Carrying Road

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

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies — 120'

Available Right of Way Width (Needs Study)

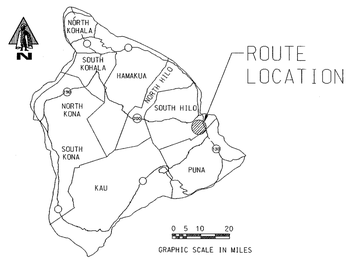
Right of Way Fence: Type – Right and Left

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

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

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed — County Project STP–2000(4), New Construction, 2004



Road Diagram
* MP = Milepost Signage

5.00 mi. CONTINUED FROM SHEET 1.

Road (5.23 mi.) | Road (5.51 mi.) | Wilder Road (5.98 mi.) | Kaumana Drive Begin Divided (6.87 mi.) | 6.80 mi.

PUAINAKO STREET EXTENSION (In-Service Nov. 04)

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

SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

Divided Highway — Undivided

Shoulder: Width and Type — 9' AC

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

Shoulder: Width and Type — 9' AC | 0

Median: Width and Type — 12' Painted AC

Median Barriers: — 6.80

Shoulder: Width and Type — 0

Pavement: Width and Type — 12' AC

Shoulder: Width and Type — 9' AC

Number of Traffic Lanes — 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — 6.05 / 5.91 / 5.98

(Right Side) — 6.80 / 7.06 (1–12' (L) TL)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: — Small Urban (2)

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 00218

HPMS Sections – AADT 2007 — 105 | 6.87

HPMS Sections – AADT 2006 — 100 | 7.12

HPMS Sections – AADT 2005 — 100 | 7.12

DOD Sections

Census Tracts

Functional Classification — Major Collector (17)

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

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

Date Released
Dec. 2003, DB

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