STATE ROUTE SYSTEM

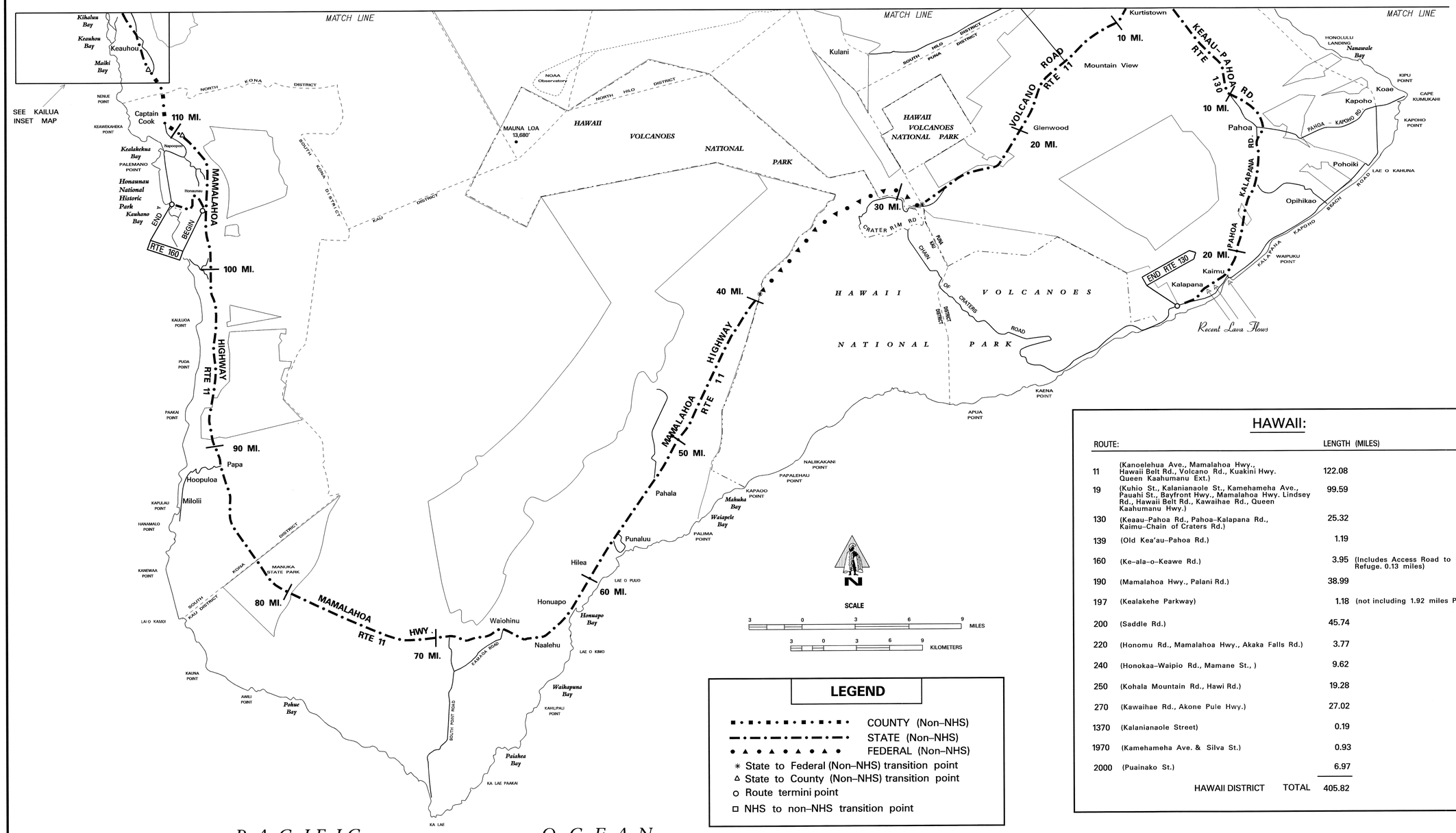
COUNTY OF HAWAII

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 2006



HAWAII:

ROUTE:		LENGTH (MILES)	
11	(Kanoelehua Ave., Mamalahoa Hwy., Hawaii Belt Rd., Volcano Rd., Kuakini Hwy. Queen Kaahumanu Ext.)	122.08	
19	(Kuhio St., Kalanianaole St., Kamehameha Ave., Pauahi St., Bayfront Hwy., Mamalahoa Hwy. Lindsey Rd., Hawaii Belt Rd., Kawaihae Rd., Queen Kaahumanu Hwy.)	99.59	
130	(Keaau–Pahoa Rd., Pahoa–Kalapana Rd., Kaimu–Chain of Craters Rd.)	25.32	
139	(Old Kea'au–Pahoa Rd.)	1.19	
160	(Ke–ala–o–Keawe Rd.)	3.95	(Includes Access Road to City of Refuge, 0.13 miles)
190	(Mamalahoa Hwy., Palani Rd.)	38.99	
197	(Kealakehe Parkway)	1.18	(not including 1.92 miles Proposed)
200	(Saddle Rd.)	45.74	
220	(Honomu Rd., Mamalahoa Hwy., Akaka Falls Rd.)	3.77	
240	(Honokaa–Waipio Rd., Mamane St.,)	9.62	
250	(Kohala Mountain Rd., Hawi Rd.)	19.28	
270	(Kawaihae Rd., Akone Pule Hwy.)	27.02	
1370	(Kalanianaole Street)	0.19	
1970	(Kamehameha Ave. & Silva St.)	0.93	
2000	(Puainako St.)	6.97	
	HAWAII DISTRICT TOTAL	405.82	

Date Released	
Dec 2002, JK	
Revised	
Feb 03	D.B.
May 04	D.B.
Jun. 07	D.B.

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STATE ROUTE SYSTEM

COUNTY OF HAWAII

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DECEMBER 2006

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

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

N

PACIFIC OCEAN

Umiwai Bay · Upolu Point · Alanahihi Point · Upolu Airport · Kalihola Point · Hawi · Hikapoloa · Honomakau · Halaula · Keokea Bay · Akoakoa Point · Niulii · Pololu Valley · Haena Point · Mahukona · Mahukona Harbor Lapakahi State Park · Waimanu Bay · Waipio Bay · Kukuihaele · Kamakamaka Point · Mahiki Point · Honokaa · Paauhau · Paauilo · Ookala · Nahiwa Point · Laupahoehoe Point · Laupahoehoe · Maulua Bay · Pelekuu Point · Lehuaweki Point · Pepeekeo Point · Onomea Bay · Hoheo Point · Papaikou · Mokihana Bay · Puhi Bay · Leleiwi Point · Hilo Bay · General Lyman Field · Hilo · Kings Landing · Kaloli Point · Keaau · Waiaakailio Bay · Keauwula Bay · Malae Point · Kawaihae · Waiulaula Point · Hapuna Bay · Puako Bay · Hapuna Beach State Park · Makaiwa Bay · Honokaope Bay · Anaehoomalu Bay · Waikoloa · Keawaiki Bay · Kawi Point · Kiholo Bay · Kaahumanu · Kumukehu Point · Kahoiawa Bay · Mahaiula Bay · Makolea Point · Keahole Point · Keahole Airport · Wawahiwa Point · Honokohau Bay · Noio Point · Kaahumanu · Waikii · Mauna Kea 13,796 · Pohakuloa Military Training Area · Kaiua · Hakalau

Akoni Pule Highway · Kohala Mountain Road · Route 250 · End Rte 250 · End Rte 270 · Beg Rte 270 · Beg Rte 250 · End Rte 240 · Beg Rte 240 · Honokaa–Waipio Road Rte 240 · Hawaii Belt Rd Rte 19 · Kawaihae Road · Proposed Road Route 19 · Beg Rte 190 · Waimea Kohala Airport · Mamalahoa Hwy 190 · End Rte 200 · Saddle Road Rte 200 · Beg Rte 200 · Rte 220 Begin · Rte 220 End · Beg Rte 130 · Beg Rte 139 · Queen Kaahumanu Hwy Rte 19 · End Rte 19 End Rte 11 · Old Mamalahoa Highway · Kuakini Highway Rte 11 · Palani Rd · Hualalai Rd · Alii Dr · Kailua Bay · Keahou Bay · Maihi Bay · Kamoa Point · Keauhou · Keahuolu Point · Noio Point · Kailua

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

Mahukona · Hawi · Waimea · Kawaihae · Waikoloa · Waikii · Ookala · Laupahoehoe · Pepeekeo · Onomea · Papaikou · Hilo · Kailua

Mud Lane · Gulch · Stream

FOREST AND GAME MANAGEMENT AREA

Hawaii Belt Road Rte 190 · Queen Kaahumanu Hwy Rte 19 · Saddle Road Rte 200 · Proposed Road Route 190 · Proposed Road Route 19

SEE KAILUA INSET MAP

SEE HILO URBAN AREA MAP ON NEXT SHEET

MATCH LINE · MATCH LINE · MATCH LINE

KAILUA INSET

SCALE
1 0 1 MILES

Rte 197 · Queen Kaahumanu Hwy Rte 19 · End Rte 19 End Rte 11 · Old Mamalahoa Highway · Palani Rd · End Rte 190 · Kuakini Highway Rte 11 · Alii Dr · Kailua Bay · Keahou Bay · Maihi Bay · Kamoa Point · Keauhou · Keahuolu Point · Noio Point · Kailua · 120 MI.

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

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STATE ROUTE SYSTEM

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

DECEMBER 2006

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.

Hilo Bay
Puhi Bay
Hilo Harbor
RTE 1970
RTE 1370
BEG
END
KALANIANAOLE ST.
BEG RTE 19
BEG RTE 11
HILO BAYFRONT HIGHWAY
Coconut Island Park
Banyan Golf Course
Hoolulu Park
Waiakea Pond
Waiakea River
Waiakea River State Park
Rainbow Falls
Hilo High School
Hilo Hospital
Waiakea Stream
Waiakea Elementary School
Waiakea Intermediate School
Waiakea Houses
Waiakea Houses Park
Waiakea Houses Elementary School
Waiakea Houses Intermediate School
Waiakea Houses Gym
Waiakea Houses Community Center
Waiakea Houses Swimming Pool
Waiakea Houses Tennis Courts
Waiakea Houses Basketball Courts
Waiakea Houses Baseball Field
Waiakea Houses Soccer Field
Waiakea Houses Football Field
Waiakea Houses Track
Waiakea Houses Parking Lot
Waiakea Houses Restrooms
Waiakea Houses Picnic Tables
Waiakea Houses Playground
Waiakea Houses Basketball Hoops
Waiakea Houses Tennis Nets
Waiakea Houses Soccer Goals
Waiakea Houses Football Goals
Waiakea Houses Track Lanes
Waiakea Houses Parking Spaces
Waiakea Houses Restroom Facilities
Waiakea Houses Picnic Table Locations
Waiakea Houses Playground Equipment
Waiakea Houses Basketball Hoop Locations
Waiakea Houses Tennis Net Locations
Waiakea Houses Soccer Goal Locations
Waiakea Houses Football Goal Locations
Waiakea Houses Track Lane Locations
Waiakea Houses Parking Space Locations
Waiakea Houses Restroom Facility Locations
Waiakea Houses Picnic Table Location Numbers
Waiakea Houses Playground Equipment Numbers
Waiakea Houses Basketball Hoop Numbers
Waiakea Houses Tennis Net Numbers
Waiakea Houses Soccer Goal Numbers
Waiakea Houses Football Goal Numbers
Waiakea Houses Track Lane Numbers
Waiakea Houses Parking Space Numbers
Waiakea Houses Restroom Facility Numbers

ROAD INVENTORY

HAWAII RTE. 11
VOLCANO ROAD – KANOELEHUA AVE.

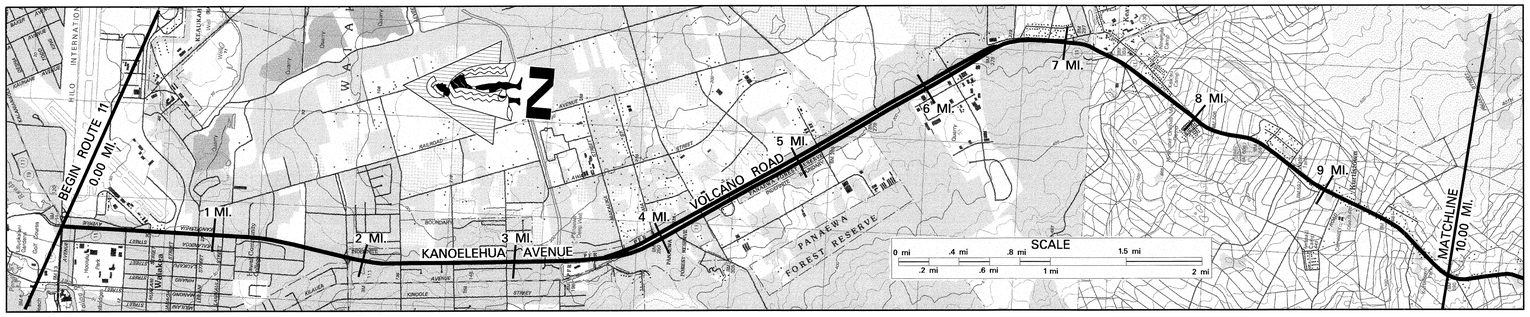
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

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

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

11P (1.08 MI) | 1.08 END 11N – BEGIN 11P ON KANOELEHUA AVENUE 100' SOUTH OF CENTERLINE WITH LANIKAULA STREET | 11N (6.24 MI) | 7.32 END 11M – BEGIN 11N ON MAMALAHOA HWY, 100' SOUTH OF CENTERLINE WITH KEEAU-PAHOA ROAD. | 11M (9.12 MI.)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: TEE BEAM 1950 HS-20 | CONCRETE FRAME 1966 HS-20-44
Vertical Clearance: 108' | 18'
Horizontal Clearance: 28' | 92'

Structure Over Road

Vertical Clearance
Horizontal Clearance

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

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

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

0.00 MI.

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

KANOELEHUA AVE. — VOLCANO ROAD

0 MP | 1 MP | 2 MP | 3 MP | 4 MP | 5 MP | 6 MP | 6.53 MI. | 6.82 MI. | 6.84 MI. | 7 MP | 8 MP | 6.93 MI. | 9 MP

0.09 MI. | 0.42 MI. | 0.58 MI. | 0.74 MI. | 0.90 MI. | 1.06 MI. | 1.13 MI. | 1.34 MI. | 1.61 MI. | 1.90 MI. | 2.05 MI. | 2.25 MI. | 2.53 MI. | 2.60 MI. | 2.96 MI. | 3.00 MI. | 3.21 MI. | 3.29 MI. | 3.54 MI. | 3.73 MI. | 3.77 MI. | 3.96 MI. | 4.01 MI. | 4.17 MI. | 4.31 MI. | 4.52 MI. | 5.01 MI. | 5.17 MI. | 5.50 MI. | 5.65 MI. | 6.01 MI. | 6.19 MI. | 6.66 MI. | 7.00 MI. | 7.15 MI. | 7.19 MI. | 7.30 MI. | 7.78 MI. | 8.05 MI. | 8.29 MI. | 8.49 MI. | 8.54 MI. | 8.71 MI. | 8.74 MI. | 8.88 MI. | 9.01 MI. | 9.12 MI. | 9.26 MI. | 9.27 MI. | 9.41 MI. | 9.50 MI. | 9.61 MI. | 9.72 MI. | 9.83 MI.

KUAWA ST. | KEKUANAOA ST. | E. LANIKAULA ST. | W. KAHAOPEA RD. | DRIVEWAY (R) | WEST MAMAKI ST. | KIPIMANA ST.

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' | 9'–11' AC BIKELANE/SHOULDER
Pavement: Width and Type: 12' AC | 24' AC | 36' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC
Shoulder: Width and Type: 2'–4' AC | 0'–2' AC | 2'–4' AC | 0'–2' AC | 2'–4' AC | 0' | 8'–10' AC | 0' | 8'–10' AC | 0' | 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 | 18' GRASS | 0'–18' PAINT | 0'–6' PAINT | 0–10' PAINT
Median Barriers: (M/M GUARDRAIL) | M/M | RAISED MED.
Shoulder: Width and Type: 33' AC | 24' AC | 0' | 0' | 0' | 0'
Pavement: Width and Type: 4' AC BIKE LANE | 0'–2' AC | 8'–10' AC | 6'–8' AC | 10'–12' AC | 12' AC | 8'–10' AC | 12' AC | 12' AC | 12' AC | 10' AC
Shoulder: Width and Type (COMBINATION BIKELANE & SHOULDER FROM 0.00 MI.– 2.60 MI.): 8'–10' B.L./SHLDR.

Number of Traffic Lanes: 2 – 12' | 3 – 11' | 4 – 12' | 3 – 12' | 4 – 12' | 2 – 12' | 1 – 12' | 2 – 12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) ALL T. L. 12': 2-11' (L) T.Ls. | 4 – 12'
(Right Side) ALL T. L. 12'
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left): 5' CONCRETE SIDEWALK
Curb and/or Gutter: Type (Right and Left): CURB & GUTTER | 2.5' 2 DOWNGRADE CURB AND GUTTER
Protective Devices: Type, Location and Number ALL METAL RAILS ON METAL POSTS
Illumination: Type, Location and Number: 33 M.V. | 12 LPS (Low Pressure Sodium)
Curves: Degree of Curvature (Right and Left)
Superelevation (Range)
Grades: % Grade, Positive or Negative
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: URBAN | RURAL
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: FLAT | ROLLING
Speed: 1–Design, 2–Posted: 35 MPH (2) | 45 MPH (2) | 55 MPH (2) | 45 MPH (2), MIN. 40 MPH | 45 MPH (2) | 35 MPH (2) | 45 MPH (2), MIN 30 MPH | 45 MPH (2), MIN 30 MPH
Intersection Control Devices: Type, Location and Cycle Timing ALL 4 PHASE UNLESS NOTED: 2 PHASE | 4 PHASE
Traffic Station: B71 0011 00000 | B71 0011 00058 | B71 0011 00225 | B71 0011 00295 | B71 0011 00321 | B71 0011 00379 | B71 0011 00565 | B71 0011 00619 | B71 0011 00730 | B71 0011 00779 | B71 0011 00829 | B71 0011 00970
HPMS Section
AADT (Year 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 | MINOR ARTERIAL
National Highway System (NHS): N H S
Previous Projects: Project No., Date and Limits: NH-011-2(24) 1999 WIDENING | NH-011-2(33), RESURFACE 1999 | 11NP–01–80M 1980 RESURFACE | F–RF–011–2(13) 1977 | 11P–01–70 1971 | F–2(3) 1949 | 11MN–01–77M 1977 RESURFACE | F–011–2(9) INBOUND 1961 | F–011 OUTBOUND | F–011–2(2) 1960 | F–04–2(9) INBOUND 1962 | 11M–01–71 1971 | 11MN–01–81M 1981 RESURFACE | F–2(4) 1948 | (11MA-01-82M (E) 1982) | F–2(4) WDR 11(2), 1950

SCALE: (In Miles) 2" = 1 mile

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

ROAD INVENTORY

OAHU RTE 11
VOLCANO ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

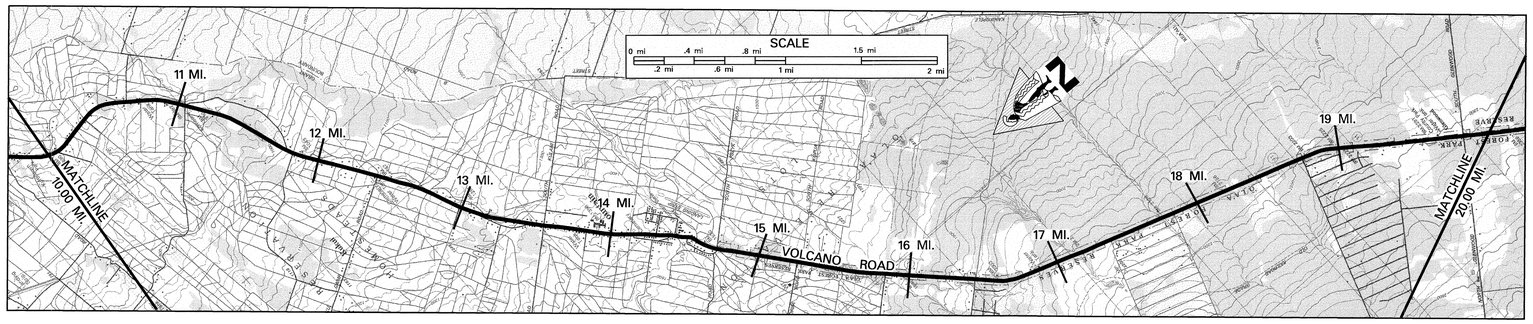
Total Route Length: 122.09 miles

a. Survey Length: 122.09 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

11 M (9.12 MI.) | END 11 L, BEGIN 11 M ON VOLCANO ROAD 50' NORTH OF CENTERLINE OSHIRO ROAD. (16.44) | 11 L (12.00 MI.)

Structure Carrying Road

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

CULVERT, 1966, HS–20

Vertical Clearance: 42' | 55' | 43'

Horizontal Clearance: 44' | 44' | 44'

Stream or Pipe Crossing

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 80' (12.56) | 80'–144' (14.43) | 80'–125' (18.77) | 90'–110'

Available Right of Way Width (Needs Study): RESIDENTIAL AREA, TREES (14.38) | LARGE TREES & BRUSH

Right of Way Fence: Type – Right and Left

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

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

Project No., Type of Construction, and Year Constructed: STP–011–2(29), RESURFACE, 1996 (13.77) | IM–02–02M 2003 (14.17) | STP–011–2(29), RESURFACE, 1996 (16.59) | 11L–01–91M, RESURFACE, 1993

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #1

PAVED ROAD, HALE PULE LP. (10.06 MI.) | HALEKUIA ROAD, HAWELU ROAD (10.07 MI.) | END DIVIDED, KUAUI RD. HALEKUIA LP. BEGIN DIVIDED (10.35 MI.) | N. ALA RD. (10.34 MI.) | ALA LP. (10.73 MI.) | KUALONO PLACE (10.65 MI.) | ROAD, ALA LP. (10.56 MI.) | AHUAHU PL. (11.04 MI.) | KUKUI CAMP RD. (11.00 MI.) | ENOS ROAD (11.27 MI.) | PAVED ROAD, POWER SUBSTATION (11.82 MI.) | PAVED RD. (11.78 MI.) | S. KULANI RD. (12.01 MI.) | N. KULANI RD. (12.19 MI.) | ROADS TO MT. VIEW ELEMENTARY SCHOOL (12.40 MI.) | S. LAUKO RD. (13.15 MI.) | N. LAUKO RD. (13.02 MI.) | ROAD, PAVED RD. OLD VOLCANO ROAD (12.99 MI.) | CULVERT, N. PSZYK RD. S. PSZYK RD. (13.45 MI.) | CANNEY RD. CULVERT, NORTH KOPUA RD. SOUTH KOPUA RD. (13.56 MI.) | N. PECK RD. (13.89 MI.) | OSHIRO RD. (14.01 MI.) | GLENWOOD CITY TO COUNTY TRANSFER STA. (14.13 MI.) | MAUNAKEA RD. (14.51 MI.) | ALOHA ESTATES (14.43 MI.) | TRIPLE PIPE CULVERT, DOUBLE PIPE CULVERT (14.72 MI.) | LEHUANANI ST. (14.85 MI.) | DOUBLE PIPE CULVERT (15.01 MI.) | CULVERT (15.29 MI.) | GLENWOOD PARK TELEMETRY STA. CGE (15.41 MI.) | S. GLENWOOD RD. (15.56 MI.) | N. GLENWOOD RD. (15.52 MI.) (15.85 MI.)

VOLCANO ROAD

CONTINUED ON SHEET #3

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type: 8'–10' AC | 10'–12' AC B. L. / SHLDR. (13.76) | 8'–10' AC (14.46)

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

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

Median: Width and Type: (11' PAINTED AC) (10.56) (10.73)

Divided Highway

Median Barriers:

Shoulder: Width and Type: 0

Pavement: Width and Type: 24' AC

Shoulder: Width and Type: (8'–10' AC)

Number of Traffic Lanes: 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 1–11' (L) T.L. (10.46) (10.60)

(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 CURB (10.76) (10.86) | 2' AC CURB (12.76) (13.08) (13.32)

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number: FROM 6.71 MI. 33 MV (10.86) | LOW PRESSURE SODIUM (11.76) | LOW PRESSURE SODIUM (13.20) (13.56) | 11 MV (14.26) (14.69) (14.82) (15.40) (15.52) (15.62) (15.91) (16.08) (16.27) (16.32) (16.81) (19.00)

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL

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

Speed: 1–Design, 2–Posted: 45 MPH (2), MINIMUM 30 MPH (11.26) (11.06) | 55 MPH (2) MINIMUM 40 MPH (13.46) | 45 MPH (2) (14.69) | 55 MPH (2), MINIMUM 40 MPH

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: B71 0011 00970 | B71 0011 01126 | B71 0011 01355 | B71 0011 01472

HPMS Section: 11.00 | 13.02 | 14.65

AADT (Year 2005): 12,120 | 11.26 | 12,120 | 13.55 | 12,070 | 14.72 | 5,890

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

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

(F–2(4) WOR 11(2) 1950) 10.05 | 11M–01–71, 1971 | F–2(4) 1948 | 14.13 | 14.92 | 15.79 | F–2(6), 1961 | F–0112(5), 1970 | 16.53 | 16.48 | F–011–2(5), 1970 | F–011–2(5), 1967 | 19.85 (S–0144(1), 1958)

SCALE: (In Miles) 2" = 1 mile

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

ROAD INVENTORY

HAWAII RTE 11
VOLCANO RD., MAMALAHOA HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

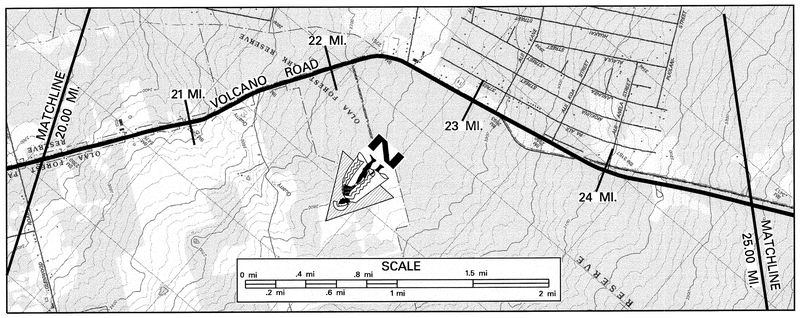
Total Route Length: 122.09 miles

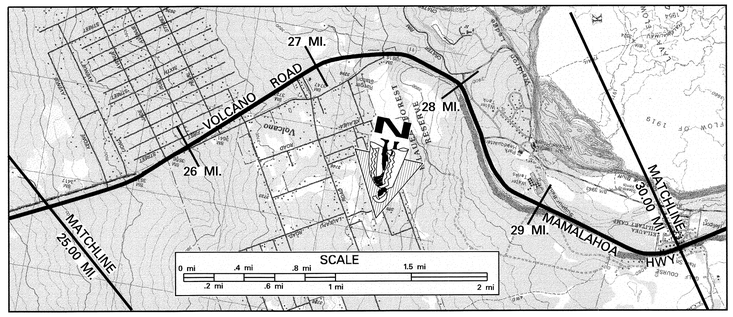
a. Survey Length: 122.09 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*





SCALE: (In Miles) 2" = 1 mile

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

Maintenance Control Sections : Length and Description

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

Structure Carrying Road

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

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

90'–110' (20.69) | 80' (23.54) | 50' (26.03) | 80'

Available Right of Way (Needs Study)

LARGE TREES & BRUSH

Right of Way Fence: Type – Right and Left

NONE

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

STATE (27.56) | FEDERAL (STATE MAINTAINED)

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

Project No., Type of Construction, and Year Constructed

(S-0144 (1), 1958) (21.21 | 21.26) 11L–01–91M, (R), 1993 | (F-011-2(11), 1974) (23.55 | 23.63) 11L–01–92, (R), 1993 | STP–011–2(26), RESURFACE, 1996 (26.19) | 11HKL–01–97M, 1998, (R) (29.19) | 11JK–01–90, (R), 1991

Project No., Type of Construction, and Year Constructed

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

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #2

CONTINUED ON SHEET #4.

SCALE: (In Miles) 2" = 1 mile

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

Divided Highway – Undivided

Shoulder: Width and Type

7'–9' AC

Pavement: Width and Type

24' AC

Shoulder: Width and Type

8'–10' AC

Median: Width and Type

4'–6' AC (27.59) | 2'–4' AC (28.07)

12' AC | 24' AC

0 (28.28) | 2'–4' AC (28.71)

12' PAINTED MEDIAN (28.60)

Median Barriers:

Shoulder: Width and Type

0

Pavement: Width and Type

12' AC

Shoulder: Width and Type

9' AC

Number of Traffic Lanes

2–12'

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

(28.32) 12' | 12' (28.56)

(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

(28.25) M/M METAL RAILS ON CONCRETE POSTS (23.49)

Illumination: Type, Location and Number

(28.33) M/M (28.56) (28.10) (23.28) (28.57) M/M (29.42)

Curves: Degree of Curvature (Right and Left)

LOW PRESSURE SODIUM (22.52) | (23.18) LOW PRESSURE SODIUM | (25.83) LOW PRESSURE SODIUM | 2 LOW PRESSURE SODIUM (29.42)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL

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

ROLLING (23.66) | FLAT (26.87) | ROLLING

Speed: 1–Design, 2–Posted

55 MPH (2), MINIMUM 40 MPH

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

B71 0011 01472 | B71 0011 02642 | B71 0011 02842

HPMS Section

26.04 | 28.25

AADT (Year 2005)

5,890 (26.42) | 3,500 (29.42) | 2,600

DOD Sections

Census Tracts

CT 210 (27.56) CT 212

Functional Classification

MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

(11JK–01–84M, 1985, RESURFACE)
(FLH–011–2(18), (INT. IMPRV.), 1987)– 28.18 | 28.67 | 29.27 | 29.36 | 29.96
S–0144(1), 1958 (21.21 | 21.26) 11L–01–76M, (R), 1977 (23.53) F–011–2(11), 1974 (27.51) 11KL–01–78M & PMS–0100(11) UNIT 1, RESURFACE, 1978
F–011–2(5), 1967 (20.60) S–0144(1), 1956 (23.58) F–011–2(11), 1973 (27.53) S–0144(2), 1961 (28.06) NPH–3A, 1962 (28.56) NPH–5A (29.98) (NPH–3A, 1962)
STA. 313 + 70.08 \ STA. 213 + 03.49 STA. 102 + 79.45 \ STA. 184 + 28.90 \ STA. 157 + 00 \ STA. 132 + 20

SCALE: (In Miles) 2" = 1 mile

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

Date Released
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6

ROAD INVENTORY

HAWAII RTE 11
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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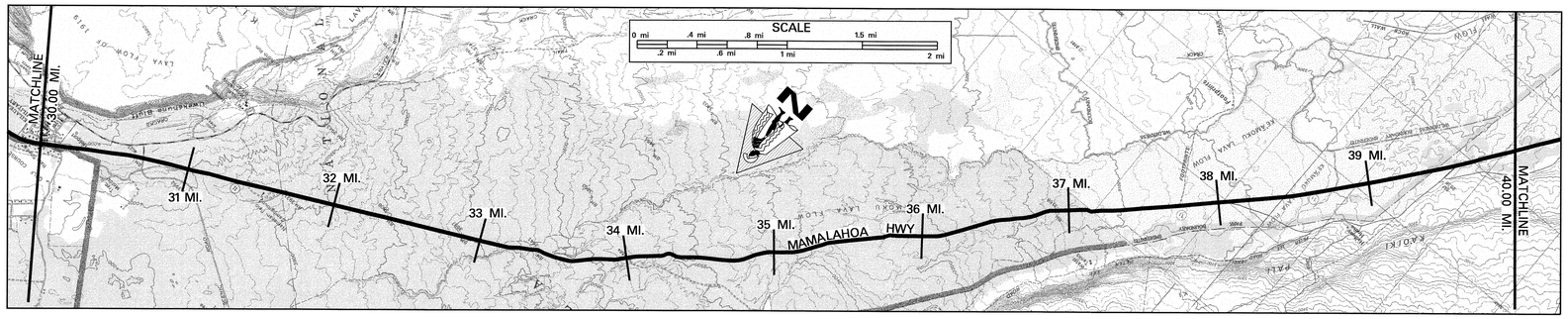
Total Route Length: 122.09 miles

a. Survey Length: 122.09 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

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

Maintenance Control Sections : Length and Description

11 K (2.62 MI.) | 30.89 31.00 END 11J BEGIN 11K ON MAMALAHOA HWY 1674' SOUTH OF CENTERLINE CRATER RIM RD./ BIRD PARK RD. AT THE CONTOL SECTION MARKER | 11J (8.45 MI.) | 39.48 END 11H – BEGIN 11J ON MAMALAHOA HWY 63' SOUTH OF HAWAII NATIONAL PARK BDRY. AT THE CONTROL SECTION MARKER | 11 H (11.86 MI.)

Structure Carrying Road

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

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 80′ | 39.74 100′ 39.84 | 80′

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

Right of Way Fence: Type – Right and Left: (WIRE ON WOOD 15' FROM PAVEMENT L&R) 39.26

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

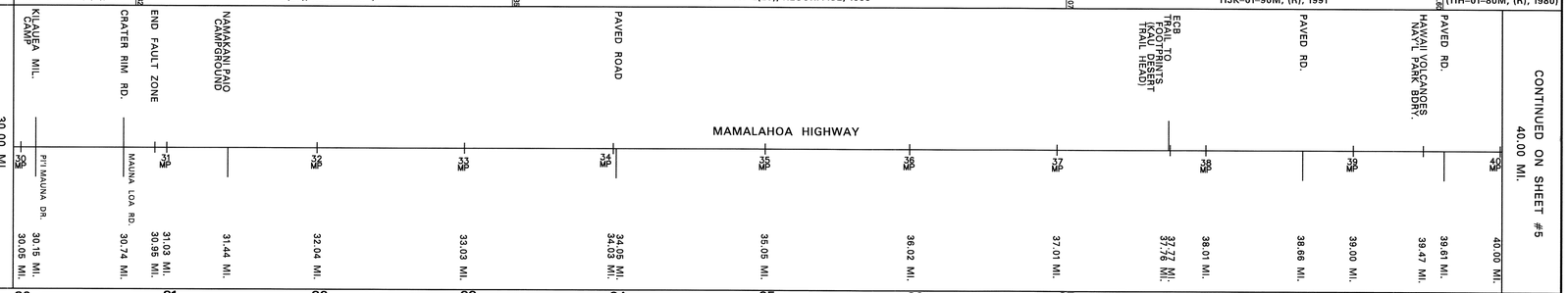
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): FEDERAL (STATE MAINTAINED) | 39.47 STATE

Project No., Type of Construction, and Year Constructed: (STP–0100(31), 1994, G.R. IMPRV.) 36.74 36.80

Project No., Type of Construction, and Year Constructed: 11JK–01–90M, (R), 1991 | 30.89 FLH–011–2(27), RESURFACE, 1998 | 33.39 STP–011–2(28), RESURFACE, 1995 | 37.07 11JK–01–90M, (R), 1991 | 39.26 (11H–01–80M, (R), 1980)

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 | 30.89

Pavement: Width and Type: 6′ AC | 37.11 2′–4′ AC

Shoulder: Width and Type: 2′–4′ AC | 30.89 5′–7′ AC | 37.08 22′ AC | 39.50 24′ AC

Median: Width and Type: 3′ AC | 39.82 8′–10′ AC

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes: 2–12′ | 37.08 2–11′ | 39.50 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

31.06 31.20 31.26 31.30 31.78 31.82 32.02 32.07 32.12 32.22 32.41 32.47 32.61 32.69 32.76 32.80 32.85 32.89 33.10 33.18 33.22 33.26 33.55 33.65 34.36 34.52 34.56 34.60 34.47 34.84 34.92 35.12 35.11 35.22 35.26 38.27 38.76 38.85 38.91

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL

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

Speed: 1–Design, 2–Posted: 55 MPH (2), 40 MPH MIN. | 30.71 45 MPH (2), 30 MPH MINIMUM | 37.19 37.26 55 MPH (2), 40 MPH MINIMUM

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: B71 0011 02842 | B71 0011 03073 | B71 0011 03705

HPMS Section: 30.63 | 37.05

AADT (Year 2005): 2,600 | 30.73 2,060

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

30.58 FLH–011–2(27), RESURFACE, 1998 | 33.35 STP–011–2(28), RESURFACE, 1995 | 37.07

30.13 (11JK–01–84M, 1985, RESURFACE) | 33.32 FLH–011–2(19), 1990 | 34.70 FLH–011–2(22), WIDENING, 1991 | 35.93 FLH–011–2(23) 1992 | 37.00

(11KJ–01–78M & PMS–0100(11) UNIT 1, (R), 1978) 30.84 | 30.96 (11JK–01–84M, 1985, RESURFACE) 33.88 | 34.22 | 34.41 | 34.60 (11JK–01–84M, 1985, RESURFACE)

11J–01–76M (R), 1976 | STA. 557+00 | 35.16 | 39.47 | 11H–01–80M, (R), 1980

NPH–3A, 1962 | 30.94 NP–3B, 1931 | 34.46 NP–3C, 1940 | 38.83 F–18(5), 1953

STA. 11+69 STA. 780+35.41

SCALE: (In Miles) 2" = 1 mile

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

Date Released
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ROAD INVENTORY

OAHU RTE 11
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

IN COOPERATION WITH THE
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FEDERAL HIGHWAY ADMINISTRATION

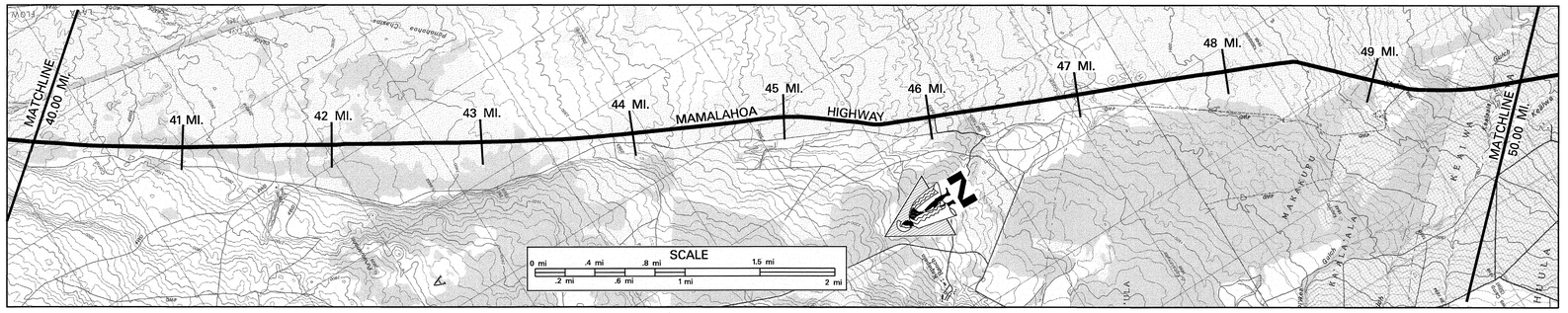
Total Route Length: 122.09 miles

a. Survey Length: 122.09 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

11 H (11.86 MI.)

Structure Carrying Road

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

CONC. BOX CULVERT
1997 HS-20-44

PRESTRESSED CONC. PLANK,
HL-93, 2006

160' | 73' | 145'
40' | 34' | 40'

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

80' | 80' | 60'

Available Right of Way (Needs Study)

BUSHES AND TREES IN LAVA ROCK

Right of Way Fence: Type – Right and Left

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

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

NONE

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

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

STATE

Project No., Type of Construction, and Year Constructed

11H-01-80M, RESURFACE, 1980

11HKL-01-97M, RESURFACE, 1998

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

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #4 — 40.00 MI.

PAVED RD. | SPEED STATION | PAVED RD. | KAPAPALA RANCH RD. CULVERT | PAVED RD. | CULVERT | CULVERT | CULVERT | PAVED ROAD TO MAKAKUPU PLANTATION | MAKAKUPU BRIDGE | SPEED MONITORING STA. PIIKEA BR. | CULVERT KAALAALA STR. BR.

MAMALAHOA HIGHWAY

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

40.00 MI. | 40.58 MI. | 41.00 MI. | 42.00 MI. | 42.77 MI. | 42.99 MI. | 43.88 MI. | 43.98 MI. | 44.98 MI. | 45.97 MI. | 46.52 MI. | 46.81 MI. | 46.97 MI. | 47.21 MI. | 47.48 MI. | 47.69 MI. | 47.96 MI. | 48.96 MI. | 49.07 MI. | 49.20 MI. | 49.46 MI. | 49.77 MI. | 49.87 MI. | 49.95 MI.

CONTINUED ON SHEET #6 — 50.00 MI.

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type

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

Pavement: Width and Type

24' AC | 22' AC

Shoulder: Width and Type

8'–10' AC | 3' AC / 3' GRAVEL | 8' AC | 3' AC/2' GRAVEL | 7' AC | 3' AC / 3' GRAVEL | 4'–5' AC | 5'–7' AC | 7'–9' AC | 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' | 2–11'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

AC GUTTER | CONC. GUTTER | ALL METAL ON METAL

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL

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

ROLLING

Speed: 1–Design, 2–Posted

55 MPH (2) MINIMUM 40 MPH

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

B71 0011 03705 | B71 0011 04606

HPMS Section

42.77 | 45.05

AADT (Year 2005)

2,060 | 2,060

DOD Sections

Census Tracts

Functional Classification

MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

11HKL-01-97M, (RESURFACE), 1998
(11HGH-01-82M, (RESURFACE), 1982) 49.51
(11HGH-01-81, (SHOULDER STABILIZATION), 1981) 49.51 | 49.82
11G-01-76, 1976, (SHOULDER STABILIZATION) 48.25
11H-01-80M, RESURFACE, 1980 | 45.63
F-18(5), 1953 | 45.00 | WER 1(1), 1948 | 48.89 | FAP 18 B 1938

SCALE: (In Miles) 2" = 1 mile

Date Released
June 2005, D.B.
Revised
6/06 *D.B.*
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ROAD INVENTORY

HAWAII RTE 11
MAMALAHOA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

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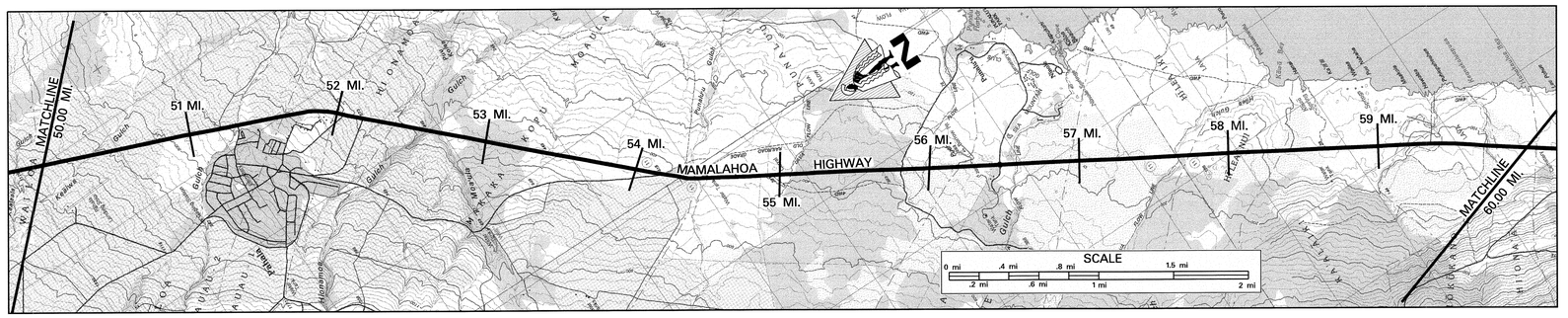


Road Diagram

* 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

Structure Carrying Road — Vertical Clearance

Structure Carrying Road — Horizontal Clearance

Structure Over Road — Vertical Clearance

Structure Over Road — Horizontal Clearance

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

Available Right of Way Width (Needs Study)

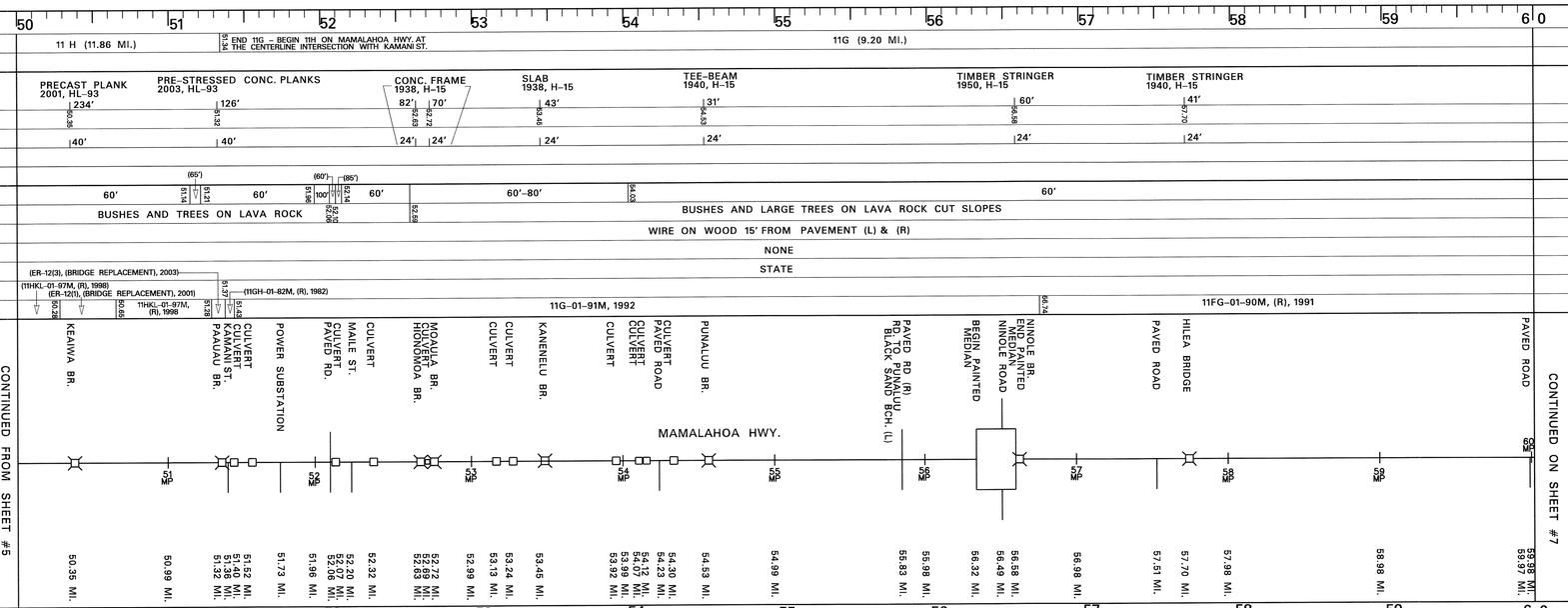
Right of Way Fence: Type – Right and Left

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

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

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed



SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided — Shoulder: Width and Type

Divided Highway — Undivided — Pavement: Width and Type

Divided Highway — Undivided — Shoulder: Width and Type

Divided Highway — Median: Width and Type

Median Barriers:

Divided Highway — Shoulder: Width and Type

Divided Highway — Pavement: Width and Type

Divided Highway — Shoulder: Width and Type

Number of Traffic Lanes

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Speed: 1–Design, 2–Posted

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

HPMS Section

AADT (Year 2005)

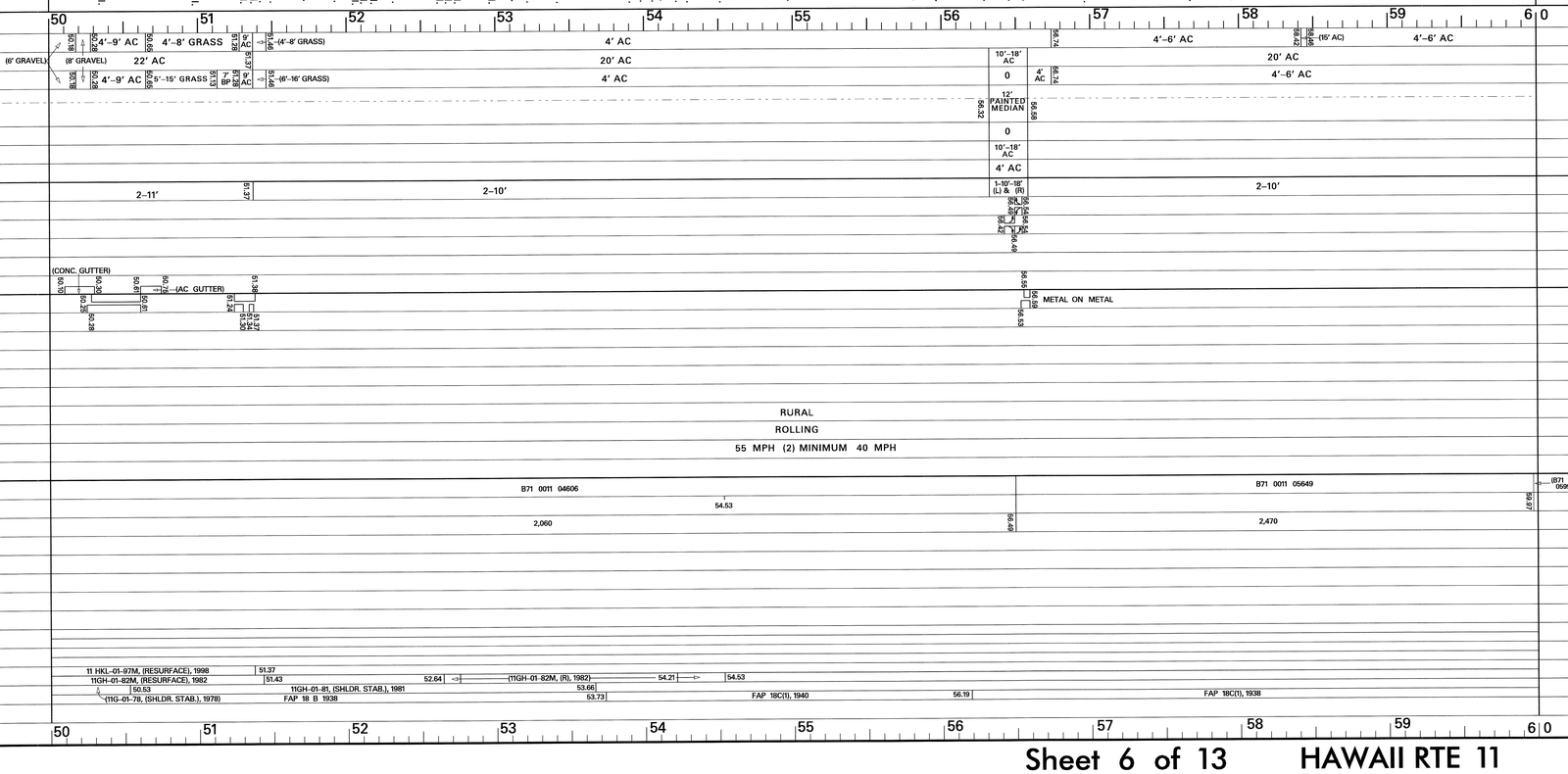
DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits



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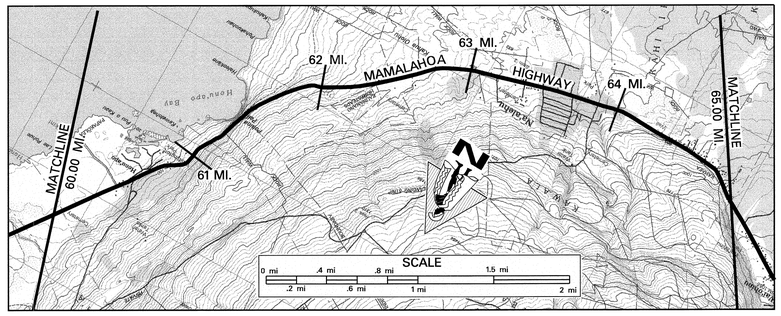
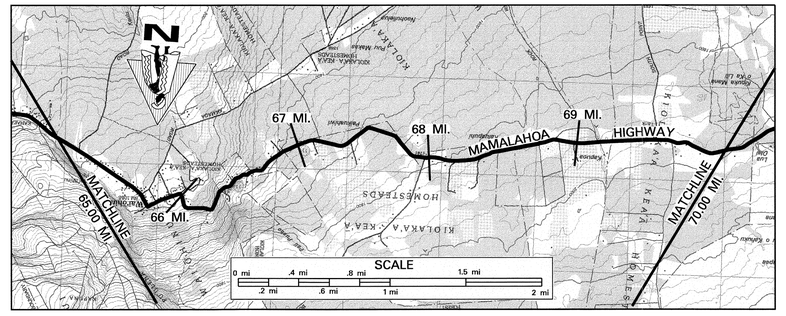




SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

Structure Carrying Road

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

SLAB
1940, H–15
44'

Vertical Clearance

Horizontal Clearance

24'

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

60' — 60'–110'

Available Right of Way Width (Needs Study)

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

Right of Way Fence: Type – Right and Left

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

(COUNTY, P-1942, 1974)

Project No., Type of Construction, and Year Constructed

11FG–01–90M (R) 1991 — 11EF–01–93M (R) 1996

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #6

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

MAMALAHOA HWY

CULVERT — CULVERT — CULVERT — CULVERT — CULVERT — CULVERT

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'–9" GRV. | 4'–15" GRASS | 4'–6' BP | 8' GRASS | 0' | 2'–8' GRASS | 2'–8' BP | 0' | 2'–8" GRS. (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'–8" 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:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

2–10' | 2–11' | 2–12' | 2–9' | 2–11'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

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

(AC ROLL) | CONC. CURB

Protective Devices: Type, Location and Number

METAL ON CONCRETE GUARDRAILS

Illumination: Type, Location and Number

MV | MV

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL

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

ROLLING | MOUNTAINOUS | ROLLING

Speed: 1–Design, 2–Posted

45 MPH (2) | (45 MPH (2)) (35 MPH (2)) 25 MPH (2) | 35 MPH (2) | 45 MPH (2)

(55 MPH (2) – MINIMUM 40 MPH)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

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

HPMS Section

AADT (Year 2005)

2,470 | 2,470 | 2,470 | 2,470 | 3,710

DOD Sections

Census Tracts

Functional Classification

MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

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

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
HIGHWAY PLANNING BRANCH

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

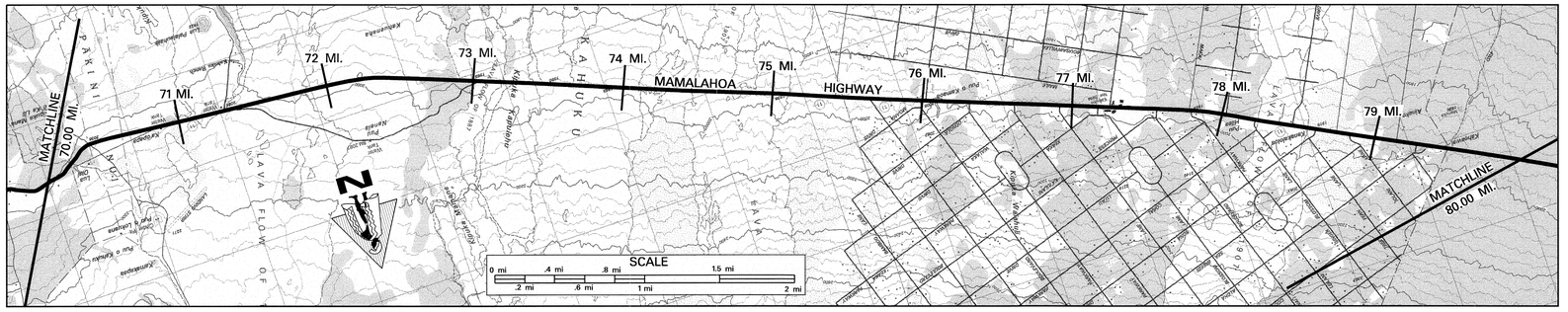
Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

70 71 72 73 74 75 76 77 78 79 80

Maintenance Control Sections : Length and Description

11E (9.31 MI.) | END 11D – BEGIN 11E ON MAMALAHOA HWY AT THE CENTERLINE OF IOLANI LANE. 78.88 | 11D (9.85 MI.)

Structure Carrying Road

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

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

60'–110' (73.18) | 100' (75.30) | 90' (75.54) | 60'–110' (78.61) | 80' (79.47) | 85' (79.75) | 80' (79.89) | 90' (79.94) | (80')

Available Right of Way Width (Needs Study)

TREES – DENSE BRUSH – GRASS (70.48) | TREES & BRUSH (72.48) | 1000' CLEAR – LAVA ROCK 15' FROM EDGE OF PAVEMENT (75.36) | TREES AND HEAVY BRUSH (78.85)

Right of Way Fence: Type – Right and Left

ROCK WALL (70.34 – 72.07) | ROCK WALL (74.70 – 75.60) | ROCK WALL (75.60 – 77.44) | ROCK WALL (77.76 – 77.96) | (ROCK WALL) (77.59 – 77.76)

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

NONE

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

STATE

Project No., Type of Construction, and Year Constructed

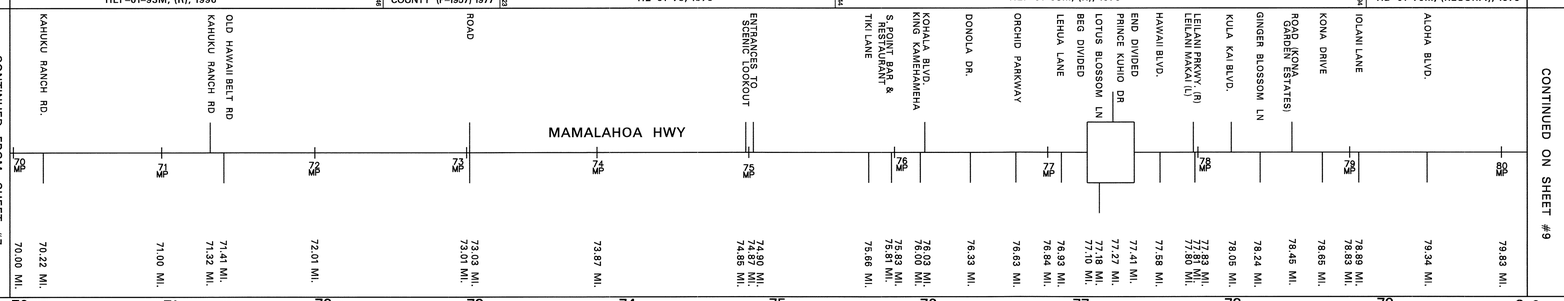
STA 837+00 (72.94) 11E–01–02M GUARDRAIL & SHOULDER IMPROVEMENT 2005 (77.25) STA 610+00

Project No., Type of Construction, and Year Constructed

11EF–01–93M, (R), 1996 (72.68) | COUNTY (P–1957) 1977 (72.23) | 11E–01–75, 1976 (75.44) | 11EF–01–93M, (R), 1976 (78.94) | 11D–01–79M, (RESURF.), 1979

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 2" = 1 mile

70 71 72 73 74 75 76 77 78 79 80

Divided Highway – Undivided

Shoulder: Width and Type (0–8' GRAVEL) 8' AC (70.07–73.21) | 8'–10' AC (73.21–78.90) | 6' BP

Pavement: Width and Type (22' AC) 24' AC (70.07–77.10) | 12' AC (77.10–77.41) | 24' AC (77.41–78.90) | 22' AC

Shoulder: Width and Type (2'–12' CINDER) 8' AC (70.07–73.21) | 8'–10' AC (73.21–77.10) | 0 (77.10–77.41) | 8'–10' AC (77.41–78.90) | 6' BP

Median: Width and Type 12' PAINTED AC (77.10–77.41)

Median Barriers:

Shoulder: Width and Type 0

Pavement: Width and Type 12' AC

Shoulder: Width and Type 10' AC

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

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

(Right Side) 1–12' (L) T.L. (77.27–77.78)

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 (74.03–74.48) | +2.34 (74.48–74.83) | −0.85 (74.83–76.00) | +2.85 (76.00–76.24) | −1.38 (76.24–76.44)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL

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

Speed: 1–Design, 2–Posted 45 MPH (2) (70.07–70.82) | 55 MPH (2) 45 MPH (2) (70.82–71.42) | 55 MPH (2) (71.42–78.74) | 55 MPH (2) (MINIMUM 40) (78.74–78.90)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station B71 0011 06798 | B71 0011 07022 | B71 0011 07663 | B71 0011 07758

HPMS Section 71.42 | 77.30

AADT (Year 2005) 3,710 (70.22–70.63) | 3,710 (70.63–77.58) | 3,710 (77.58–78.90)

DOD Sections

Census Tracts

Functional Classification MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

(COUNTY (P–1829) 1974) 70.07 | COUNTY (P–1957) 1974 | 72.46 | 73.23 | 11E–01–75 1976 | 75.44 | 75.46 | COUNTY (P–2129) 1977 | COUNTY | 78.90 | 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
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

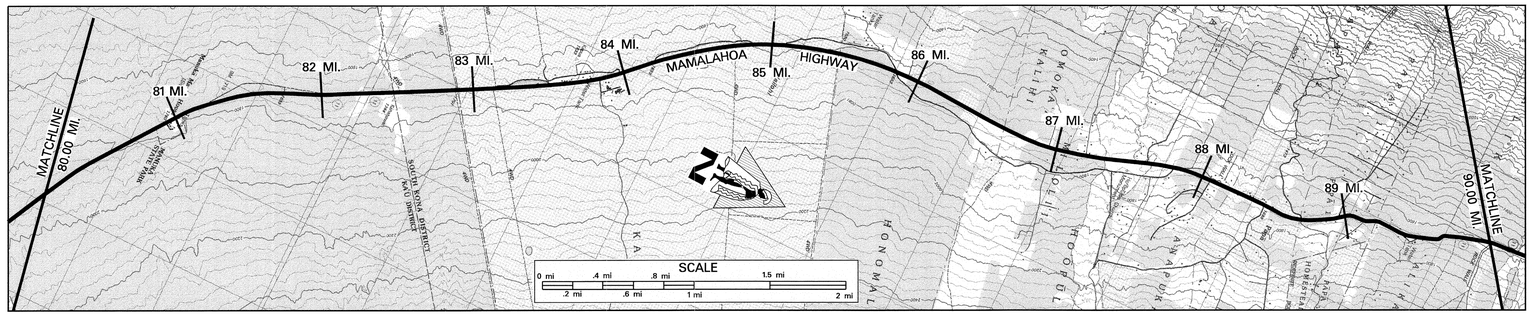
Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

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

Maintenance Control Sections : Length and Description

11 D (9.85 MI.) | END 11C – BEGIN 11D ON MAMALAHOA HWY AT THE CENTERLINE INTERSECTION WITH MILOLII ACCESS ROAD. 88.73 | 11 C (12.43 MI.)

Structure Carrying Road

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

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

(80'–100') | 80' | 80' | 80' | 90' | 80' | 90' | 80' | 90

ROAD INVENTORY

HAWAII RTE 11
MAMALAHOA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

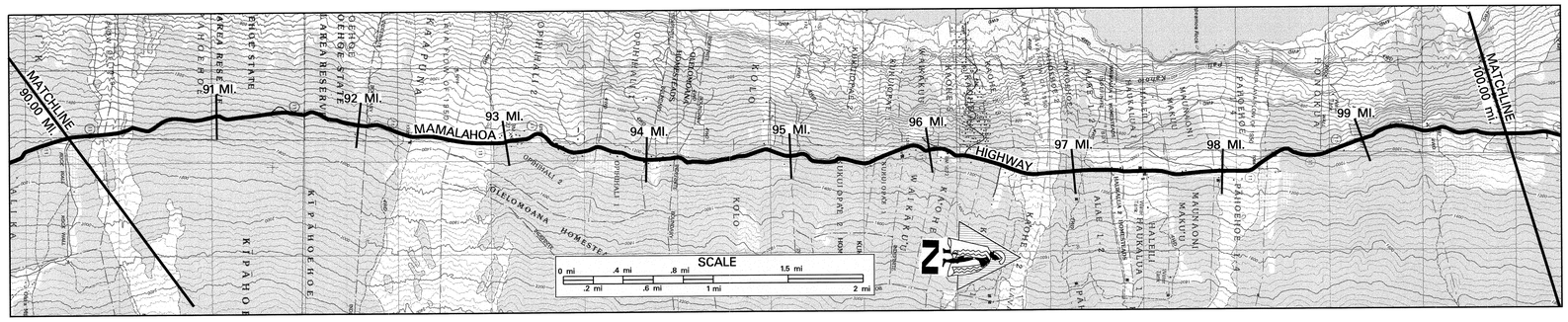
Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

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 (STONE WALL 20' FROM EDGE OF PAVMT) (STONE WALL 20' FROM EDGE OF PAVMT) | LAVA ROCK & TREES | RESIDENTIAL AREA | BRUSH AND LARGE TREES (RUBBLE WALL) (RUBBLE WALL) | FENCE | FENCE | STONE WALL 20' FROM EDGE OF PAVEMENT | STONE WALL 20' FROM EDGE OF 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)

(11C-01-90M, (R), 1990) (11C-01-76M, (R), 1976) (11C-01-76M, 1976)

Project No., Type of Construction, and Year Constructed

11C–01–92, (R), 1994 | 11C–01–91M, (R), 1992 | 11BC–01–01M, (RESURFACE), 2004 | STP–0100(31), (IMPROV.), 1994 | 11BC–01–89M, (R), 1989

Project No., Type of Construction, and Year Constructed

CONTINUED FROM SHEET #9.

KIPAHOEHOE NATURAL AREA RESERVE | KIPAHOEHOE NATURAL AREA RESERVE | CONC. ROAD PAVED ROAD | CONC. ROAD CONC. ROAD CONC. ROAD | CONC. ROAD | ROAD ROAD | CONC. ROAD | PAVED ROAD | KA OHE RANCH KAOHE ROAD | ROAD | DRIVE WAY | SOLID WASTE S.A. WAILEA RUBBISH DUMP

MAMALAHOA HIGHWAY

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

CONTINUED ON SHEET # 11

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

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

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

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

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′)

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

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

(Right Side)

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

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

Sidewalk: Width and Type (Right and Left)

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

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

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
MOUNTAINOUS

Speed: 1–Design, 2–Posted

35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

B71 0011 08837

HPMS Section

94.56

AADT (Year 2005)

3,710

DOD Sections

Census Tracts

Functional Classification

MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

(11BC-01-91, (IMPROV., REALIGN), 1993) 91.56 | 91.80
11C-01-76M, (RESURFACE), 1976
FAP 8A, 1930
92.38 | 92.46 | 93.08 (11C-01-76M, (RESURFACE), 1976)
ER 2(1), FLOW #3, 1951
93.19
40 + 06.28 | 893 + 01.67
(11BC-01-90, (IMPRV.), 1991) 95.49 | 95.56
11C-01-91M, (RESURFACE), 1992
11C-01-75M, (RESURFACE), 1976
FAP 8-A, 1930
96.38 | 96.63 | 11C-01-90M, (R), 1990 (FAP8B, 1931) (FAP 8B ER 2(1), 1953)
(11C-01-76M, (R), 1776) 96.60 | 97.13 | FAP 8A, 1932 97.64 | 97.89 | 98.00 | 98.35 (11C-01-76M, (R), 1976) 99.60 | 99.69
96.63 | ER 2(1), FLOW #2, 1951 | 97.15 FAP 8-A, 1930 97.80 | 8-B,1931 98.01 | 98.36 (ER 2(1), FLOW#1, 1951) 99.79 | (FAP 8-C , 1931)
727 + 12 | 0 + 00 | 20 + 00 | 633 + 93 | 558 + 04.70

11BC-01-89M, (R), 1989 (HHS-011-1(15), 1976)
11BC-01-89M, (R), 1989

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
HIGHWAY PLANNING BRANCH

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

Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*

SCALE: (In Miles) 2" = 1 mile

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 | RESIDENTIAL AREA

Right of Way Fence: Type – Right and Left

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

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

NONE

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

STATE | COUNTY

Project No., Type of Construction, and Year Constructed

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

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

Project No., Type of Construction, and Year Constructed

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

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #10

CULVERT | HOOKENA BEACH RD. | HOOKENA SCHOOL RDs | ROAD | ROAD | POWER SUB STATION | ROAD TO CITY & NAPOOPOO (KEALAKEKUA RD.) | STATE HWY (FARMERS MARKET STATION) | MIDDLE KEEI RD. | HONAUNAU ELEM. SCH. RD. | ROAD | ROAD | CULVERT | KALAMALANI PL. | ROAD | ANOI PLACE | CAPTAIN COOK VILLAGE RD. KOA RD. | "END STATE HWY" SIGN | PAVED RD. END DIV. HWY & KINUE RD. | KAMAKANI ST. | KEALAKEKUA HWY KEALAKEKUA ROAD | CAPTIN COOK ROAD

DOD 785 — DOD 790

MAMALAHOA HWY

CONTINUED ON SHEET #12

SCALE: (In Miles) 2" = 1 mile

100 101 102 103 104 105 106 107 108 109 110

Divided Highway – Undivided

Shoulder: Width and Type

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

Pavement: Width and Type

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

Shoulder: Width and Type

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

Median: Width and Type

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

Median Barriers:

0

Shoulder: Width and Type

(10′ AC)

Pavement: Width and Type

(8′ GRASS)

Shoulder: Width and Type

Number of Traffic Lanes

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

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

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 | (BITUMINOUS CURB) | CONC. CURB | CONC. CURB

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

M/C

Illumination: Type, Location and Number

FLASHING SCHOOL SPEED LIMIT SIGNS | 1 MV | 20 MV

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL

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

MOUNTAINOUS | ROLLING

Speed: 1–Design, 2–Posted

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

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

HPMS Section

109.96

AADT (Year 2005)

3,710 | 5,800 | 9,930 | 9,930

DOD Sections

Census Tracts

Functional Classification

MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

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

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

FAP 8–C, 1931 | FAP 8–D, 1931 | NRH 8–E, 1936 | WPH 8–F, 1936 | EXCEPTION | WPH 8–F, 1935 | PROJ. #8–G

(450 + 98.70) | NRH 8–E, 1935 | WPH 8–F, 1935

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
HIGHWAY PLANNING BRANCH

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

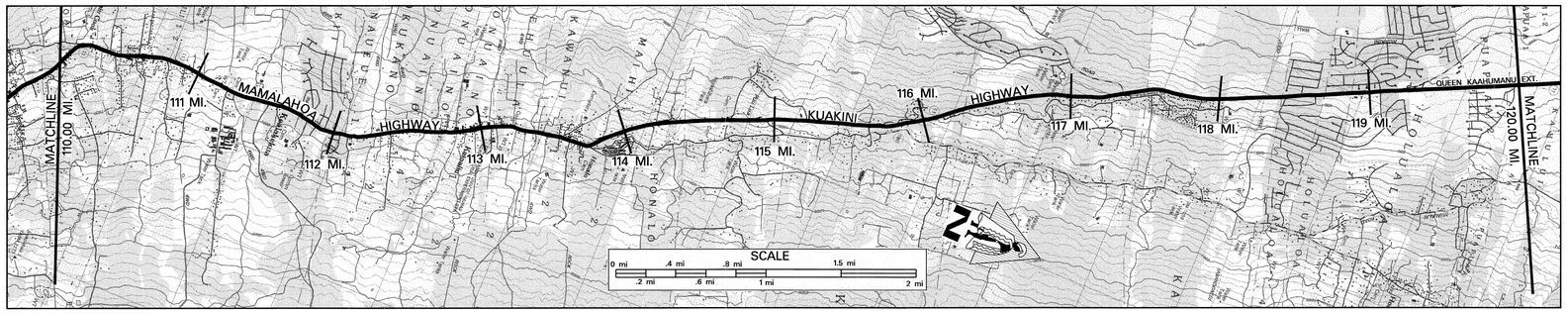
Total Route Length: 122.08 miles

a. Survey Length: 122.08 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

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

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

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

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

Right of Way Fence: Type – Right and Left: STONE WALL / STONE WALL

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

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

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

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

CONTINUED FROM SHEET #11.

Road Diagram

* MP = Milepost Signage

OLD FARO 160 (RD. TO KAPOOPOO) | KEOPUKA HTS. RD. | KEOPUKA RD. | NORTH SOUTH DEPOT – MELEANA PL. | INTERMEDIATE SCHOOL ROAD | BEGIN DIV. HWY | CULVERT | END DIV. HWY | KONAWAENA SCH. | KEALAKEHE PKWY. | KEALAOLA AVE. | HALE O KA LANI DR. | KEALAKEHE PKWY. | KEALAKEKUA HWY. | KEEI KEE ST. | NANI KUPUNA PL. | HOSP. | HOKUKANO RD. | 4H TROPICAL AGRI. RD. | ST. PAUL'S ROAD | OLD MAMALAHOA HWY | NAHENAHE LP. | ACCESS ROAD | WEST HONALO RD. | EAST HONALO RD. | ACCESS RD. TO OLD RTE 11 | ACCESS ROAD | KALELEI ST. | BEGIN DIV. HWY | END DIV. HWY | PUULOA RD. | VIEW POINT RD. | ACCESS FRONTAGE RD. | HAWAIIAN VIEW POINT RD. | IHILANI PL. | WALUA ST. | CULVERT | VIEW POINT ROAD | END DIV. HWY | KAMAKAHA RD. | BEGIN DIV. HWY | AKONI DR. | CULVERT | BEGIN DIV. HWY | END DIV. HWY | SEA CIRCLE | & NALANI ST. | SUNSET DR. | BEGIN DIV. HWY | LAKO ROAD | BEGIN DIV. HWY | ACCESS RDS. TO KUAKINI HWY | KUAKINI HWY | END DIV. HWY

DOD 790 | DOD 795

MAMALAHOA HWY — KUAKINI HWY

KUAKINI HWY | QUEEN KAAHUMANU EXT.

110.20 MI. | 110.41 MI. | 110.57 MI. | 110.64 MI. | 110.80 MI. | 110.91 MI. | 110.88 MI. | 111.14 MI. | 111.21 MI. | 111.33 MI. | 111.42 MI. | 111.78 MI. | 112.34 MI. | 112.78 MI. | 113.01 MI. | 113.52 MI. | 113.62 MI. | 113.69 MI. | 113.92 MI. | 114.17 MI. | 114.18 MI. | 114.46 MI. | 114.67 MI. | 114.78 MI. | 114.83 MI. | 115.07 MI. | 115.18 MI. | 115.27 MI. | 115.43 MI. | 115.55 MI. | 115.78 MI. | 115.91 MI. | 116.16 MI. | 116.41 MI. | 116.67 MI. | 116.78 MI. | 117.19 MI. | 117.32 MI. | 117.43 MI. | 117.78 MI. | 118.08 MI. | 118.32 MI. | 118.40 MI. | 118.51 MI. | 118.62 MI. | 118.77 MI. | 118.91 MI. | 119.05 MI. | 119.32 MI. | 119.48 MI. | 119.77 MI.

CONTINUED ON SHEET #13.

SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided
- Shoulder: Width and Type: 4' GRS. (6' GRV.) | 6' GRASS | 2' AC | 0'–6' GRAVEL | 2' AC | 0'–6' GRAVEL | VARIES 0'–6' | 10' | 0 | 4' | 2' | 0 | 6' | 2' | 0 | (15') | 10' | 6' AC | 10' | 8' AC | 10' AC
- Pavement: Width and Type: 20' AC | 10' AC | 20' AC | 22' AC | 11' AC | 20' BP | 24' BP | 44' AC | 26' AC | 20' AC | 18' AC | 24' AC | 11' AC | 24' AC | 34' AC | 23' AC | 34' AC | 22' | 11' AC | 22' AC | 12' AC | 24' AC
- Shoulder: Width and Type: (3'–15' GRASS) 5' AC | 2'–6' GRV. | 1'–10' GRAVEL | 0 | 1'–10' GRAVEL | 6' AC | 0 | 4' GRAVEL | VARIES 4'–6' | 10' | 0 | 10' | 8' AC | 0 | 8' AC | 0 | 10' AC
- Median: Width and Type: (10' PAINTED AC) | (31' AC) | (11' PAINTED MEDIAN) | 12' PAINTED MEDIAN (13') (6' AC) | 11' PAINTED MEDIAN | 12' PAINTED MEDIAN
- Median Barriers:
- Shoulder: Width and Type: 0 | 0 | 0 | 0 | 0
- Pavement: Width and Type: 10' AC | 11' AC | (2–10') (2–15.5') | 11' AC | 11' AC | 11' AC | 12' AC
- Shoulder: Width and Type: 2' AC | 2' AC | 6' AC | 6' AC | 8' AC | 10' AC

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

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

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

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

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

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

Illumination: Type, Location and Number: 20 MV

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL | URBAN

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

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

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

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

HPMS Section

AADT (Year 2005): 9,930 | 17,680 | 17,680 | 20,170 | 20,170 | 20,760

DOD Sections

Census Tracts

Functional Classification: (MINOR ARTERIAL) | PRINCIPAL ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits:
- STP-0100(31), GUARDRAIL IMPROVEMENTS, 1994
- 11A-01-75, TRUCK CLIMB LANE, 1975
- 11A-01-79M, RESURFACE, 1979
- 11A-01-67, 1967
- S-229-1, 1952, BP
- F-011-1(14), (NEW ALIGNMENT), 1984
- COUNTY | 11B-01-78M (R), 1978 | F-011-1(4), 1963

0 + 00 | 110 + 54.87 | 330 + 64.40

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
6/06	D.B.

ROAD INVENTORY

HAWAII RTE 11
QUEEN KAAHUMANU EXT.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

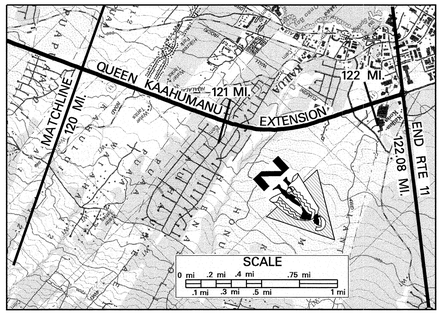
Total Route Length: 122.08 **miles**

a. Survey Length: 122.08 **miles**

b. Proposed Length: 0.00 **miles**

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

*



SCALE: (In Miles) 2" = 1 mile

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

Maintenance Control Sections : Length and Description

Structure Carrying Road

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

5 CELL BOX CULVERT
1984, HS-20-44
175'

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

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

Available Right of Way Width (Needs Study)

BRUSH, GRASS & TREES

Right of Way Fence: Type - Right and Left

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

NONE

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

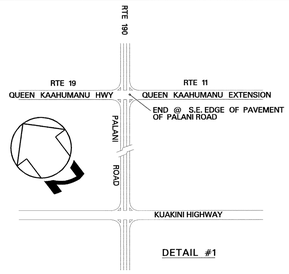
STATE

STA 193+00 | 11A-01-02 Inter Imp 2005 | STA 187+50

Project No., Type of Construction, and Year Constructed

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

Project No., Type of Construction, and Year Constructed



DETAIL #1

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #12

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

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

122.41 MI. | 121 MP | 120.77 MI. | 122 MP

QUEEN KAAHUMANU EXT.

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

* 122.08 MI.

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

SCALE: (In Miles) 2" = 1 mile

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

Divided Highway - Undivided

Shoulder: Width and Type

10' AC

Pavement: Width and Type

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

Shoulder: Width and Type

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

Median: Width and Type

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

Median Barriers:

Shoulder: Width and Type

0 | 0 | 0

Pavement: Width and Type

12' AC | 12' AC | 12' AC

Shoulder: Width and Type

10' AC | 10' AC | 10' AC

Number of Traffic Lanes

2-12' | 2-12' 1-12'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

ALL CONC. GUTTERS

Protective Devices: Type, Location and Number

ALL METAL ON METAL GUARDRAILS

Illumination: Type, Location and Number

4 LPS - LOW PRESSURE SODIUM

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

URBAN

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

ROLLING

Speed: 1-Design, 2-Posted

55 MPH (2) | 45 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

B71 0011 11905 | B71 0011 12045 | B71 0011 12114

HPMS Section

120.17 | 120.68 | 121.86

AADT (Year 2005)

20,760 | 24,710 | 22,580

DOD Sections

Census Tracts

Functional Classification

PRINCIPAL ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

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

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
HIGHWAY PLANNING BRANCH

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

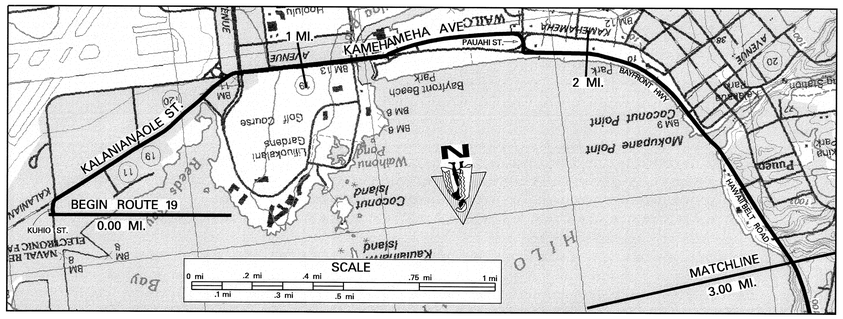
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*


KALANIANAOLE ST.
KAMEHAMEHA AVENUE
PAUAHI ST.
BAYFRONT HWY.
HAWAII BELT ROAD
BEGIN ROUTE 19
0.00 MI.
KUHIO ST.
1 MI.
2 MI.
MATCHLINE
3.00 MI.
Coconut Island
Kaiwiuli Island
Mokupane Point
Coconut Point
Waiakamilo Estuary
Waiakamilo Stream
Honolulu Harbor
Kapalama Canal
Sand Island
Keehi Lagoon
Honolulu International Airport
Reef Runway
Ala Moana Beach Park
Ala Moana Park
Magic Island
Kewalo Basin
Ala Wai Boat Harbor
Ala Wai Canal
Waikiki Beach
Kapiolani Park
Kapiolani Community College
Diamond Head
Diamond Head Crater
Kaimuki
Kahala
Waialae Golf Course
Kahala Mall
Waialae Beach Park
Kuliouokalani Gardens
Waikahu Pond
Kaneohe Bay
Mokapu Peninsula
Marine Corps Air Station
Kaneohe
Kaneohe Marine Corps Base Hawaii
Kaneohe Bay Drive
Kamehameha Highway
Kaneohe Bay Regional Park
Heeia Kea Boat Harbor
Heeia Kea Pier
Heeia
Kaalaea Bay
Kaalaea

ROAD INVENTORY

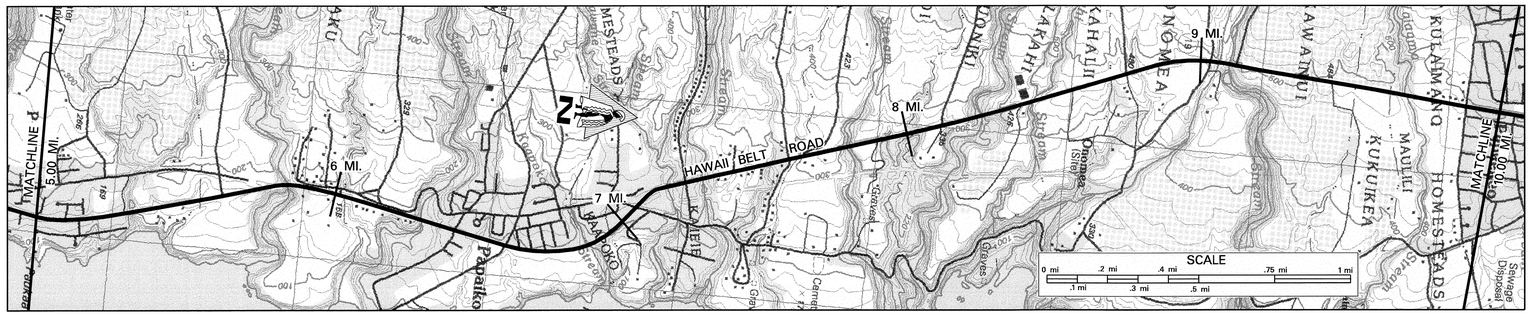
HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

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

*



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

19J (10.76 MI.)

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

Mile	5	6	7	8	9	10
5.82	CONC. MASONRY ARCH HS–20, 1912, (1967) 49′					
6.27		STEEL GIRDER & FLOOR BEAM H–20, 1950 415′				
7.29			PRESTRESSED BEAM HS–20, 1967 210′			
7.77				PRESTRESSED BEAM HS–20, 1967 145′		
8.20					PRESTRESSED BEAM HS–20, 1968 424′	
9.08						STEEL GIRDER & FLOOR BEAM H–20, 1948 71′
9.65						PRESTRESSED BEAM 1968, HS–20 198′

Structure Carrying Road — Vertical Clearance

Mile	5	6	7	8	9	10
5.82	49′					
6.27		415′				
7.29			210′			
7.77				145′		
8.20					424′	
9.08						71′
9.65						198′

Structure Carrying Road — Horizontal Clearance

Mile	5	6	7	8	9	10
5.82	24′					
6.27		28′				
7.29			28′			
7.77				28′		
8.20					28′	
9.08						24′
9.65						28′

Structure Over Road — Vertical Clearance

Mile	5	6	7	8	9	10
7.04			15′ 11″			

Structure Over Road — Horizontal Clearance

Mile	5	6	7	8	9	10
7.04			42′			

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

Mile	5	6	7	8	9	10
5.14	70′–261′					
5.53		70′–125′				
7.30			100′–250′			
9.70					80′–135′	

Available Right of Way Width (Needs Study)

Mile	5	6	7	8	9	10
9.85					(SUGAR CANE)	
9.89						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)

Mile	5	6	7	8	9	10
9.88					STA 144+40	
9.70					19J–01–02 IMP 2005	STA 159+00

Project No., Type of Construction, and Year Constructed

Mile	5	6	7	8	9	10
6.27		(19HJ–02–95M, (BRIDGE REPAIR), 1996)				
7.08						
7.29						
7.77						
8.20						

Project No., Type of Construction, and Year Constructed

Mile	5	6	7	8	9	10
6.27		19J–01–97M, (R), 1999				
7.08						
8.20					STP–019–2(35), (RESURFACE), 1997	

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #1 — 5.00 MI.

Mile	Feature
5.13 MI.	KUIKAHI ROAD
5.09 MI.	NANEA ROAD
5.38 MI.	HIKINI PLACE
5.43 MI.	LALI PLACE
5.65 MI.	ROAD (L)
5.74 MI.	
5.82 MI.	PAHOEHOE BR.
6.01 MI.	ROAD TO PUUEOPAKU
6.10 MI.	KAPUE RD.
6.27 MI.	KAPUE BRIDGE
6.40 MI.	ROAD TO PAPAIKOU
6.57 MI.	PAVED ROAD
6.74 MI.	
7.04 MI.	KA IE' IE' RD. PAPAIKOU PEDESTRIAN O.P.
7.06 MI.	
7.25 MI.	KAIEIE BRIDGE KA IE' IE' RD.
7.29 MI.	
7.60 MI.	KALAOA CAMP RD.
7.74 MI.	KALAOA BRIDGE
7.77 MI.	
7.95 MI.	TELEMETRY STATION 17J PAVED ROAD
8.01 MI.	
8.14 MI.	HANAWAI BRIDGE PAVED ROAD
8.20 MI.	
8.44 MI.	PAVED ROAD
8.59 MI.	PAVED ROAD
8.73 MI.	
9.05 MI.	KAWAINUI BRIDGE OLD ONOMEA RD.
9.08 MI.	
9.66 MI.	BEGIN DIV. HWY WAIAAMA BRIDGE
9.73 MI.	
9.88 MI.	KULAIMANO RD. STA 153+75

HAWAII BELT ROAD

CONTINUED ON SHEET #3 — 10.00 MI.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided — Shoulder: Width and Type

Mile	5	6	7	8	9	10
5.13	6′ AC					
5.25		2′ AC				
5.31		6′ AC				
5.47			5′–10′ AC			
6.46				6′ AC		
6.67					5′–8′ AC	
7.17						2′ AC
7.22						5′ AC
7.29						8′–14′ GRASS/GRAVEL
8.04						
8.31					4′ AC	
8.41						8′–18′ GRAVEL
8.82						2′ AC
9.03						6′ GRS (8′ GRV.)
9.17						11′–19′ GRAVEL
9.54						3′ AC
9.65						6′ AC
9.88						(2′–4′ AC)

Undivided — Pavement: Width and Type

Mile	5	6	7	8	9	10
7.08		24′ AC				
8.31				35′ AC		
8.88					22′ AC	
9.65						12′ AC

Undivided — Shoulder: Width and Type

Mile	5	6	7	8	9	10
6.08		6′ AC				
6.38		5′ AC				
7.06			6′ AC			
8.21				4′–6′ AC		
8.45					6′–15′ GRAVEL	
9.08					6′ GRS	
9.17					18′–23′ GRAVEL	
9.54					3′ AC	
9.60					12′ AC	
9.65						0

Divided Highway — Median: Width and Type

Mile	5	6	7	8	9	10
7.17			5′ AC			
7.22						
7.29			(8′–10′ GRASS)			
9.54						10′–15′ AC/GRV.
9.71						(0′–10′ PAINTED MEDIAN)
9.97						(0′–10′ PAINTED MEDIAN)

Median Barriers:

Shoulder: Width and Type — 0

Pavement: Width and Type — 12′ AC

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

Number of Traffic Lanes

Mile	5	6	7	8	9	10
7.08		2–12′				
8.31			2–11′			
8.88				2–11′		
9.65					2–11′	
9.97						2–12′

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

Mile	5	6	7	8	9	10
8.31				1–13′ TRUCK CLIMBING LANE		
8.88						
9.77						(10′ TL)
9.88						

(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 CONC., (3) METAL ON CONC.

Mile	5	6	7	8	9	10
5.05	(2)					
5.13						
5.32		(3)				
5.34						
5.36		(3)				
5.55						
5.63		(3)				
5.86						
6.03		(2)				
6.05						
6.26		(3)				
6.29						
6.35		(3)				
6.38			(1)			
6.49			(1)			
6.62						
6.84			(2)			
6.90						
6.93			(2)			
6.99						
7.17						
7.22						
7.35						
7.38			(1)			
7.41						
7.54			(1)			
7.56						
7.62						
8.41				(1)		
8.45						
8.67				(1)		
8.71						
8.79				(1)		
8.81						
8.93					(2)	
8.96						
9.04						
9.12						
9.70					7 Low Pressure Sodium	
9.76						
9.88						
9.92						
9.98						

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL

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

Speed: 1–Design, 2–Posted

Mile	5	6	7	8	9	10
6.05	55 MPH (2), MINIMUM 40 MPH					
6.07						
6.97			45 MPH (2) FLASHING WARNING LIGHTS			
7.19						
7.62				55 MPH (2), MINIMUM 40 MPH		

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

Mile	5	6	7	8	9	10
6.25	B71 0019 00322					
7.20			B71 0019 00640			
9.60					B71 0019 00760	
9.86						B71 0019 00966

HPMS Section

AADT (Year 2005)

Mile	5	6	7	8	9	10
6.40	15,160					
7.60			10,910			
9.86					10,910	
						9,650

DOD Sections

Census Tracts

Functional Classification: PRINCIPAL ARTERIAL

National Highway System (NHS): NHS

Previous Projects: Project No., Date and Limits

Mile	5	6	7	8	9	10
6.35	19 JK–01–70, (RESURF. & REHAB), 1971 SDR–3(4), 1950					
7.08			19GHJ–01–78M, PMS–0100(11), UNIT 2, RESURFACE 1978 (125+03.70) 0+00			
7.78				(F–019–2(8), 1968)		
7.81						
8.21					F–AF 148(1), 1949	
9.11						
9.12					19J–01–85M, (R), 1985	
9.16						
9.65					19GHJ–01–76, (R), 1976	
9.88						

19J–02–88M, (R), 1988 — 7.08
19J–01–85M, (R), 1985 — 7.78 — 8.21
19J–03–85M, (R), 1985 — 9.65

SCALE: (In Miles) 4" = 1 mile

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

ROAD INVENTORY

HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

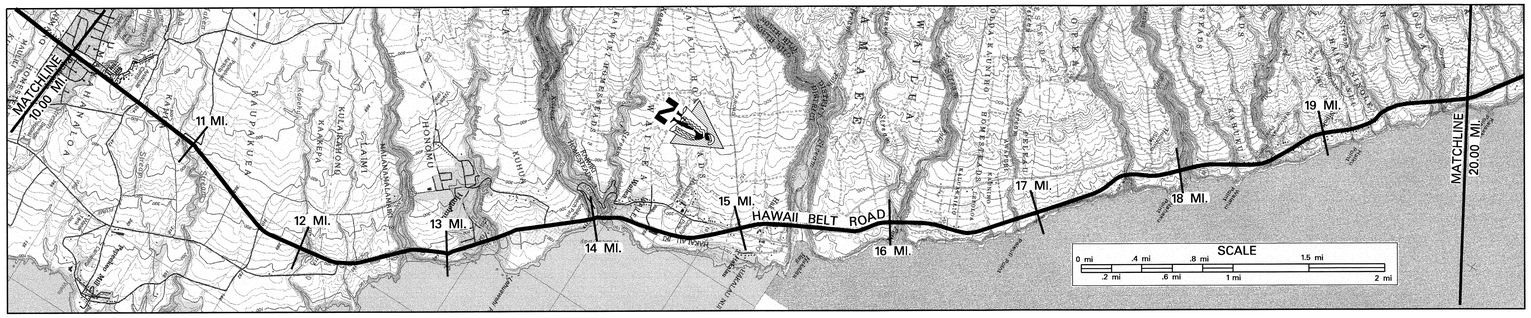
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

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

STEEL MULTI-STRINGER 195, H–20 — 225′ (10.30) — STEEL GIRDER AND FLOORBEAM 1950, H–20 — 497′ (10.96) — STEEL MULTI-STRINGER: H–20, 1953 775′ (15.39); H–20, 1952 281′ (16.02); H–20, 1952 225′ (17.61); H–20, 1952 531′ (17.96); HS–20, 1952 297′ (18.57); TEE BEAM 34′ (19.40); H–15, 1934 (19.45); H–20, 1951 112′ (19.73); TEE BEAM 1951, H–20 50′

Vertical Clearance

Horizontal Clearance — 28′ — 28′ — 28′ — 28′ — 28′ — 28′ — 28′ — 24′ — 28′ — 28′

Structure Over Road

Vertical Clearance — 16′–04″ (11.42) — 16′–03″ (14.69) — 25′–08″ (15.27)

Horizontal Clearance — 42′ (11.42) — 42′ (14.69) — 38′ (15.27)

Right of Way Width (min.–max.) if varies — 80′–135′ (11.65) — 100′–430′ (14.88) — 100′–230′ (15.89) — 85′–225′ (16.99) — 90′–200′ (19.91) — (70′–160′)

Available Right of Way Width (Needs Study) — (RESIDENTIAL) (10.05) — CLEAR 1000′ – SUGAR CANE 10′–20′ FROM PAVEMENT — LARGE TREES & HEAVY BRUSH (17.46) (18.46) — RESIDENTIAL (BRUSH AND LARGE TREES) (18.36) LARGE TREES (19.05)

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)

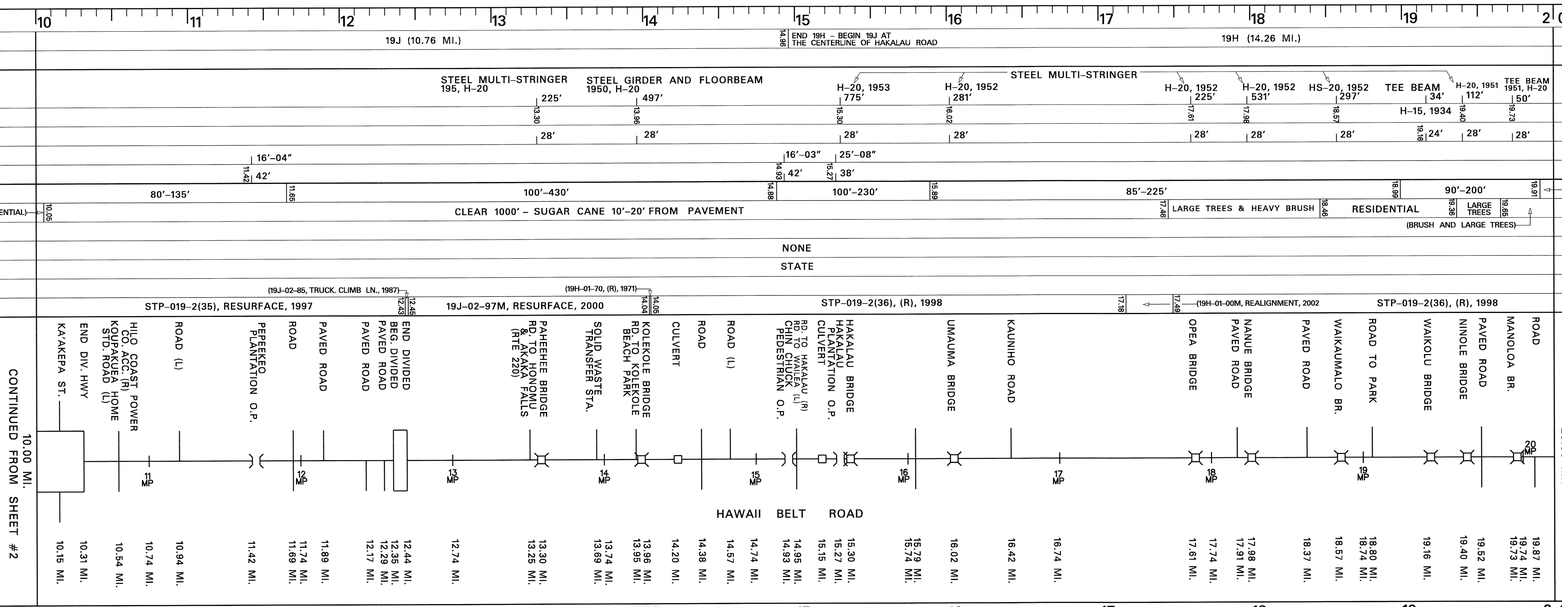
Project No., Type of Construction, and Year Constructed — (19J–02–85, TRUCK. CLIMB LN., 1987) (12.45) (12.73) STP–019–2(35), RESURFACE, 1997 — 19J–02–97M, RESURFACE, 2000 (14.04) (14.05) (19H–01–70, (R), 1971) — STP–019–2(36), (R), 1998 (17.36) (17.49) (19H–01–00M, REALIGNMENT, 2002) — STP–019–2(36), (R), 1998

Project No., Type of Construction, and Year Constructed

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided

Shoulder: Width and Type — (2′–4′ AC) — 10′ GRV. — (7′ GRV.) 2′–6″ AC — 6′–12′ GRV. — 5′–8′ AC — 7′ AC — 4′–6″ DIRT — 5′ AC

Pavement: Width and Type — 12′ AC — 24′ AC — 28′ AC — 24′ AC — 36′ AC — 12′ AC

Shoulder: Width and Type — 0 — 8′–18′ GRV — 4′–15′ GRASS — 6′–8′ GRV. — 5′–12′ GRS. — 7′ AC — 0

Median: Width and Type — 0′–10′ PAINTED MEDIAN — (12′ PAINT)

Median Barriers:

Shoulder: Width and Type — 0

Pavement: Width and Type — 12′ AC

Shoulder: Width and Type — 8′–18′ GRV. — 7′ AC

Number of Traffic Lanes — 2–12′ — 2–14′ — 2–12′

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — TRUCK CLIMBING LANE – 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) — (6′ AC GUTTER)

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

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station — B71 0019 00966 — B71 0019 01054 — B71 0019 01325 — B71 0019 01674 — B71 0019 01916

HPMS Section

AADT (Year 2005) — 9,650 — 9,230 — 7,240 — 7,240 — 7,240

DOD Sections

Census Tracts

Functional Classification — PRINCIPAL ARTERIAL

National Highway System (NHS) — NHS

Previous Projects: Project No., Date and Limits — (19J–03–85M (R) 1985) TRUCK CLIMB LANES — 19J–01–87M (R) 1987 — FA–F14B(1), 1949 — SDR–3(2), 1951 — 19J–01–78M, RESURFACE, 1978 — SDR–3(10), 1955 — (19H–01–70, (R), 1971) — (19H–01–70, 1971, (R)) — (F–FR–019–2(21), RESURFACE, 1983) — (19H–01–70, (R), 1971) — SDR–3(12), 1950 — STP–0100(31), 1994 — 19H–01–70, RESURFACE, 1971 — SDR–3(13), 1950 — SDR–3(14), 1950 — SDR–3(3), 1948 — SDR–3(15), 1950 — (19H–01–87M, (R), 1987) — F–FR–019–2(21), RESURFACE, 1983 — STP–019–2(36), (R), 1998 — (19H–02–87M (R), 1987) — (19GHJ–01–76M, (R), 1976)

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
HIGHWAY PLANNING BRANCH

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

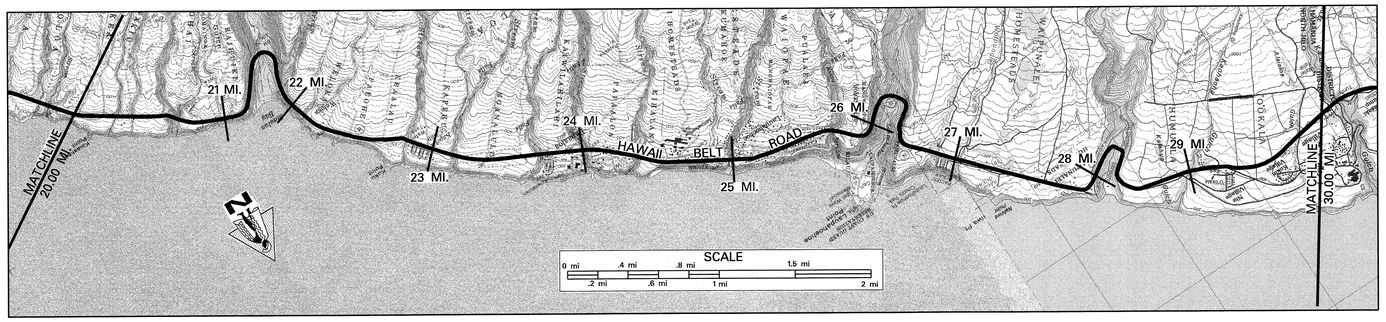
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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) | STEEL MULTI STRINGER, 1957, HS-20 | TEE BEAM, HS-20, 1953 225'

Vertical Clearance

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

Horizontal Clearance

16'-4" 40'

Bridges PRV and O'H

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 (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

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

Project No., Type of Construction, and Year Constructed

STP-019-2(36) | STP-019-2(33) | STP-019-1(30) RESURFACE | STP-019-2(33) | 19H-01-99M RESURFACE | STP-019-2(37) RESURFACE

Project No., Type of Construction, and Year Constructed

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

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. | KAIWILAHILAHI BR. | PAPA'ALOA AVE. PAVED ROAD | PAPA'ALOA PED. O.P. PAVED ROAD | KIHALANI BR. | RD. TO LAPAHOEHOE SCHOOL | KUWAIKAHI BR. | MANOWAIOPAE BR. | PAVED ROAD RD. TO LAPAHOEHOE (L) PAVED ROAD (R) | PAVED ROAD EXIT FROM SCENIC PT. PAVED ROAD ENTR. TO SCENIC PT. | KILAU BR. | PAVED ROAD | PAVED ROAD RD. TO LAPAHOEHOE PT. PAVED ROAD | PAVED ROAD | PAVED ROAD | PAVED ROAD | CANE HAUL RD. | OOKALA ACCESS RD. PAVED ROAD | TRACTOR CROSSING

HAWAII BELT ROAD

20.18 MI. | 20.34 MI. | 20.66 MI. | 20.74 MI. | 20.84 MI. | 21.51 MI. | 21.74 MI. | 22.63 MI. | 22.69 MI. | 22.78 MI. | 22.75 MI. | 23.09 MI. | 23.66 MI. | 23.74 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. | 25.31 MI. | 25.63 MI. | 25.75 MI. | 26.74 MI. | 26.88 MI. | 26.96 MI. | 27.21 MI. | 27.55 MI. | 27.74 MI. | 27.75 MI. | 28.61 MI. | 28.75 MI. | 28.86 MI. | 29.14 MI. | 29.21 MI. | 29.38 MI. | 29.75 MI.

CONTINUED ON SHEET #5

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type

6' AC | 2'–10' GRS/GRV (6'–12" AC) | (1'–5' GRV.) | 4'–8' AC | 7'–3" (GRS.) | 5' AC | 5'–7" 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

6' AC | 8' GRASS | 3' AC | 5' AC | 4'–6" AC | 5' AC | 15'–20" (5'–13" AC) (10'–24" GRS) | 6'–10' GRASS (5' AC) | 6'–10' GRASS (2'–6" AC) (4'–8" GRS.) | 24' AC | 4'–6' AC (6' GRS.) | 36' AC | 4' AC | 24' AC (4'–6" AC) | 24' AC | 36' AC | 4' AC | 6' AC | 4' AC | 6' AC | 36' AC (24' AC) | 4' AC | 6' AC | 4' AC | 6' AC | 6' AC (4' AC)

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' | 2–12' | (1–12') 2–12' (2–12') | 2–12' | 2–12' 1–12' 1–12'; 1–12' TRUCK CLIMB LANE (2–12')

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

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

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

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

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL

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

ROLLING | MOUNTAINOUS | ROLLING | MOUNTAINOUS | ROLLING | MOUNTAINOUS | ROLLING

Speed: 1–Design, 2–Posted

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 Station

B71 0019 01916 | B71 0019 02366 | B71 0019 02683

HPMS Section

22.75 | 25.75

AADT (Year 2005)

7,240 | 7,240 | 7,240

DOD Sections

Census Tracts

Functional Classification

PRINCIPAL ARTERIAL

National Highway System (NHS)

NHS

Previous Projects: Project No., Date and Limits

(19H-02-87M, (R), 1987) | 20.35 | (19GHJ-01-76M,(R),'76) .03 | 19H-01-86M, (R), 1986 21.71 | 21.74 | 19H-01-82M, 1982 23.11 | 26.66 | 19H-01-89M, (R), 1990 27.72 | 27.75 | 19H-01-87M, (R), 1987 28.65 | STP-019-2(37), RESURFACE, 1997 29.65 | (19G-01-72, (R), UNIT 1, 1972)

19GHJ-01-76M, (R), 1976 | 21.05 | PMS-0100(11), U-2, 1978 | 28.61 | 19GH-02-71, U-2, 1979 29.51 | 29.62 | 90

19H-01-82M, 1982 | 21.04 | 21.17 | 19H-01-70, 1971 | 22.47 | 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

(19H-01-70, 1971) | 20.39 | 20.50 | SDR-3(16), 1951 | 10 + 00 | 111 + 11.24 | 23.59 | 19H-02-82M, (R), 1982 | 27.32 | SDR-3(18), 1955 | 29.19 | F-019-2(2), 1957

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

0 + 00 | 37 + 00 | 49 + 47 | 45 + 00 | 6 + 49.02 | (16 + 79.86) | 155 + 47.44 | 0 + 00 | 69 + 64.00

(SDR-019-2(1), 1955)

SCALE: (In Miles) 2" = 1 mile

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

ROAD INVENTORY

HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

IN COOPERATION WITH THE
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FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

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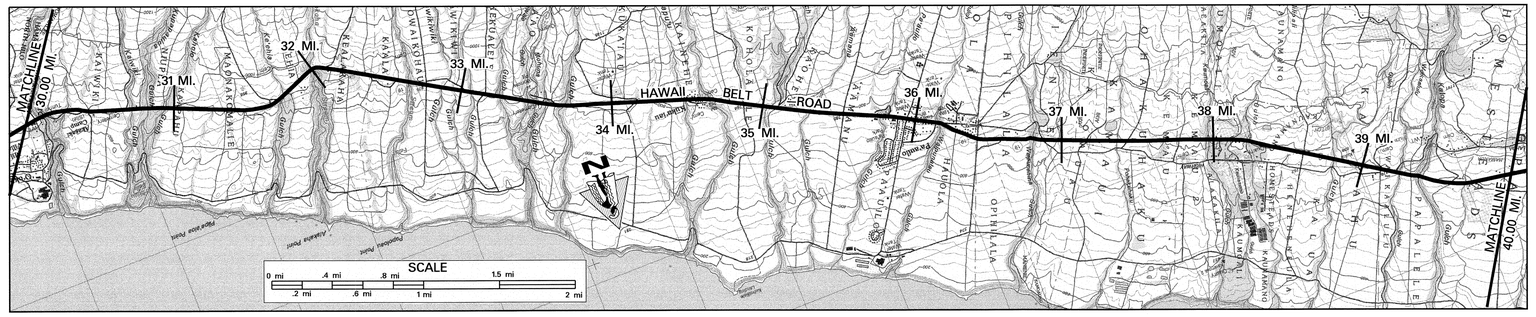
*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

19G (12.57 MILES)

Structure Carrying Road

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

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

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

100' – 140' | 70' – 95' | 100' – 200' | 70' – 100' | 100' – 150' | 100' – 270'

Available Right of Way Width (Needs Study)

BUSHES, TREES, CANEFIELD | 1000' CLEAR, PASTURE GRASSLAND WITH SMALL TREES 20' FROM PAVEMENT

Right of Way Fence: Type – Right and Left

WIRE ON WOOD 20' FROM PAVEMENT LEFT AND RIGHT

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

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

STATE

Project No., Type of Construction, and Year Constructed

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

19G-01-86M 19G-01-90M (R) BRF-019-2(20) (BR. REPLACEMENT) 19G-01-90M (R) 19G-01-90M (R) 19G-01-99M RESURFACE

STP-019-2(37) RESURFACE 1997 1986 (R) 1990 1990 1990 1990 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

Kauila Bridge | Okaela Plant, O.P. | Paved Road | Manalahoa Hwy | Kupapaulua Bridge | Kahoio Bridge | HAWAII BELT ROAD | Kaalakeha Bridge | Kaala Bridge | Culvert | Kekuaiele Bridge | Mohuna Bridge | Kukeiau Culvert | Paved Road | Paved Road | Kalapahapuu Bridge | Kainehe Bridge | Road | Kawaiili Bridge | Road | Tractor Xing | Kaohe Road | Aamanu Bridge | Paved Road | East Paauilo Bridge | Paved Road | Paauilo Ped. Overpass | Hauoli Road | Paauilo Makai Highway | Mamalahoa Highway | Plantation Road | Pohakea Road | Mamalahoa Highway | Waipunahina Bridge | Road | Kaumoaiii Bridge | Unnamed Road | Paved Road | Kalopa Road | Kalopa Bridge | Papaaloa Drive | Papa Le Le Drive | Paved Road

CONTINUE ON SHEET #6

SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

4' AC | 5' – 7' AC | 4' AC | 6' BP | 10' GRV | 6'–12' GRS | 8'–12' GRS | 24' AC | 8'–10' GRASS | 10' AC | 2'–10' GRASS | 4' AC | 6' AC | 4' AC | 4' AC | 10'–12' AC | 4' AC | 6' – 18' AC | 4' AC

4' AC | 4' AC | 8'–10' GRASS | 10' AC | 6'–12' GRASS | 10' AC | 8'–10' GRASS | 4' AC | 5' AC | 4' AC | 10'–30' AC | 4' AC | 8' – 14' AC | 4' AC

4' AC | 6'–8' GRASS | 6'–8' GRV

Number of Traffic Lanes

2 – 12'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

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

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL

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

ROLLING

Speed: 1–Design, 2–Posted

55 MPH POSTED (MINIMUM 40 MPH) | 45 MPH (POSTED) | (L) 55 MPH POSTED (MINIMUM 40 MPH) (R) 55 MPH POSTED

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

B71 0019 02683 | B71 0019 03530 | B71 0019 03640

HPMS Section

AADT (Year 2005)

7,240 | 7,240 | 7,240

DOD Sections

Census Tracts

Functional Classification

PRINCIPAL ARTERIAL

National Highway System (NHS)

N H S

Previous Projects: Project No., Date and Limits

19G-01-72 1972 | 19GH-01-85M 1985 (R) | 19G-01-88M (R), 1988 | 19GHJ-01-76M (R), 1976 | 19GHJ-01-78M PMS-0100(11) 1978 | 19G-01-86M 1986 (R) | 19GHJ-01-78M PMS-0100(11) 1978 | BRF-019-2(20) BR. REPLACEMENT | 19GHJ-01-78M PMS-0100(11) 1978 | BRF-019-2(18) 1982 | BRF-019-2(14) 1981 | 19GHJ-01-78M PMS-0100(11) 1978 | 19G-02-88M (R) 1988 | (19G-01-74 1974) | F-019-2(6) 1958

F-019-2(2) 1957 | SDR 3(6) 1948 | SDR 3(11) 1950 | SDR 3 (6) 1948 | DF-019-2(5) 1958

SCALE: (In Miles) 2" = 1 mile

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

ROAD INVENTORY

HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

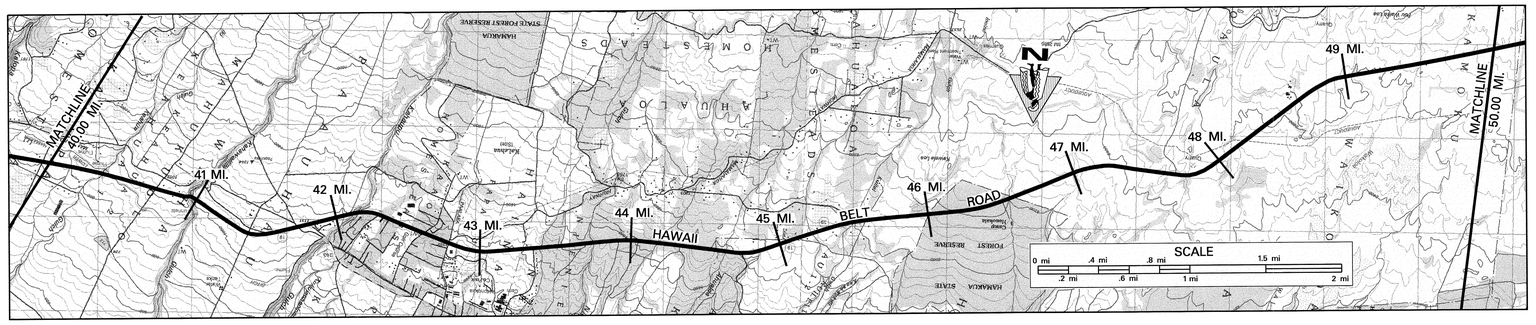
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

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

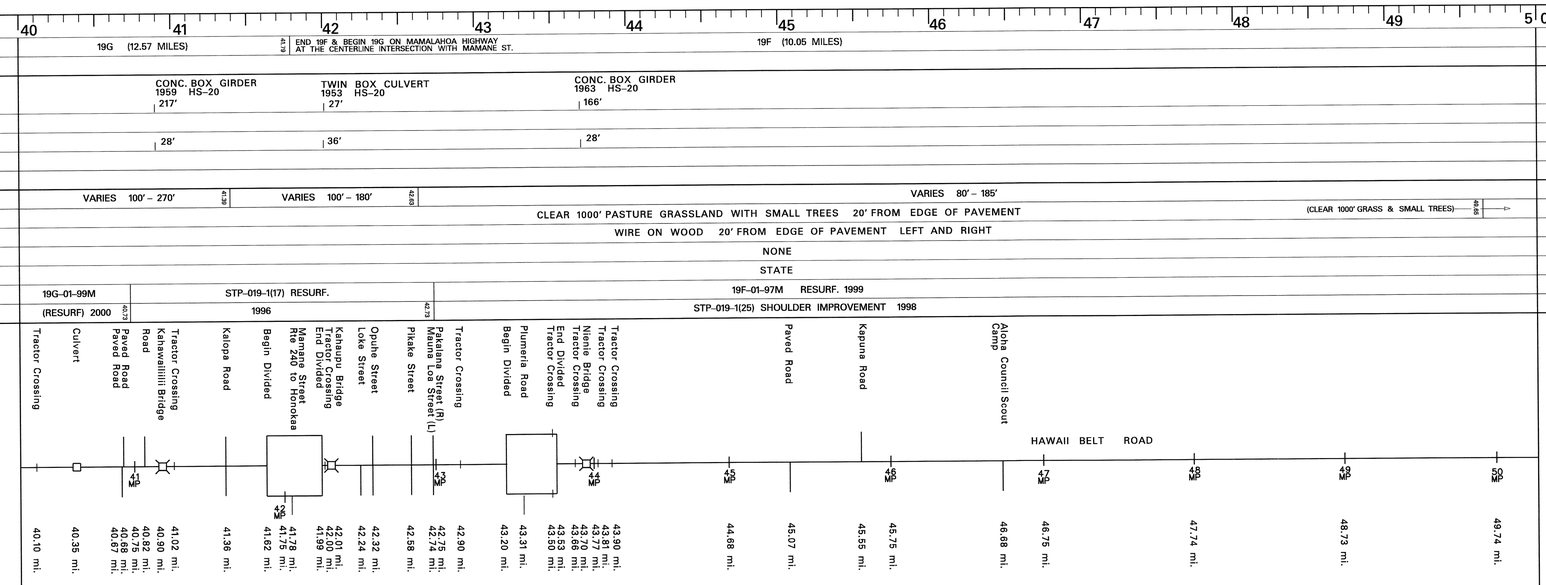
Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUE FROM SHEET #5

CONTINUE ON SHEET #7



SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided — Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Speed: 1–Design, 2–Posted

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

HPMS Section

AADT (Year 2005)

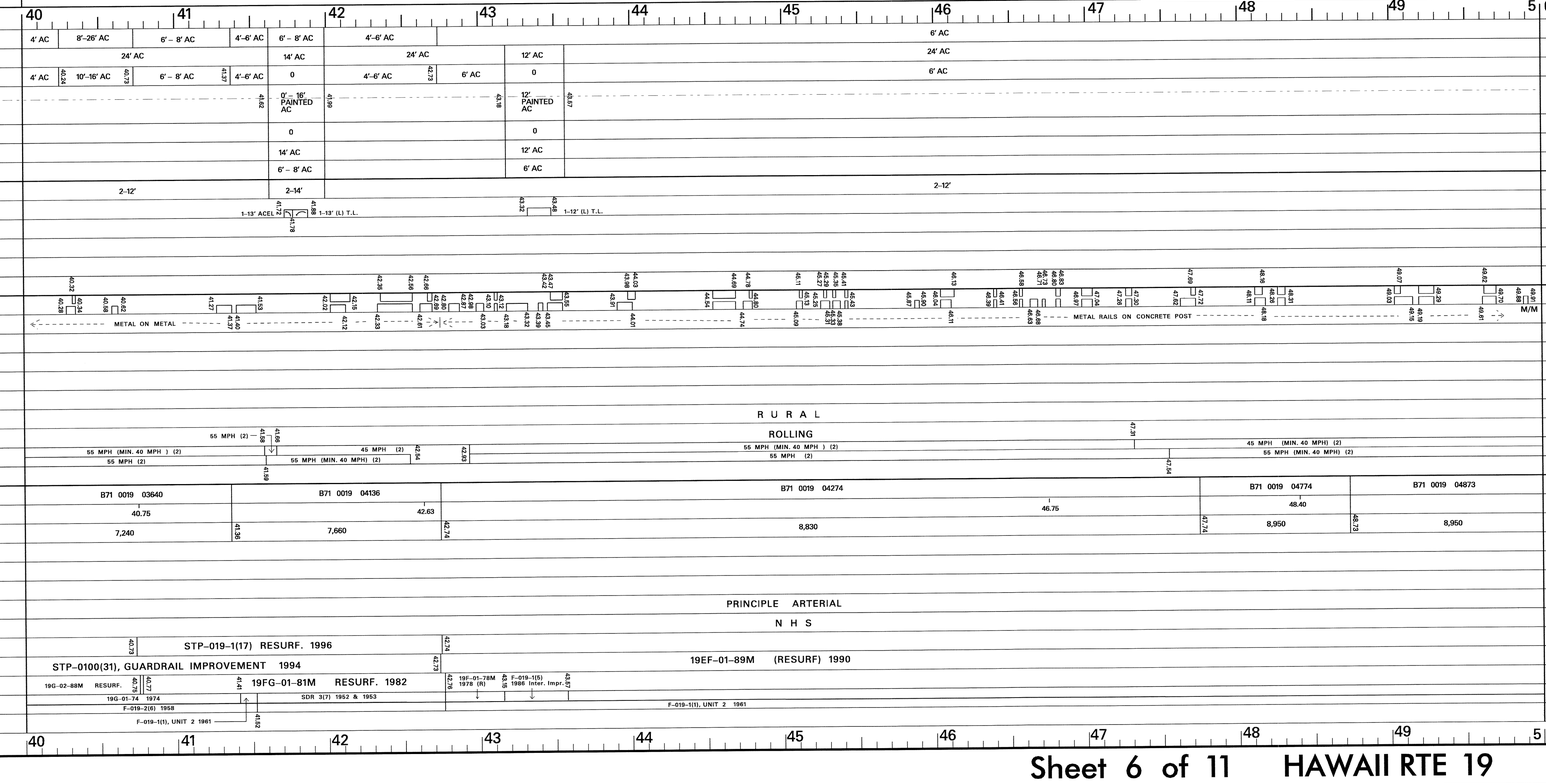
DOD Sections

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
G.N. 4 / 06

ROAD INVENTORY

HAWAII RTE 19

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

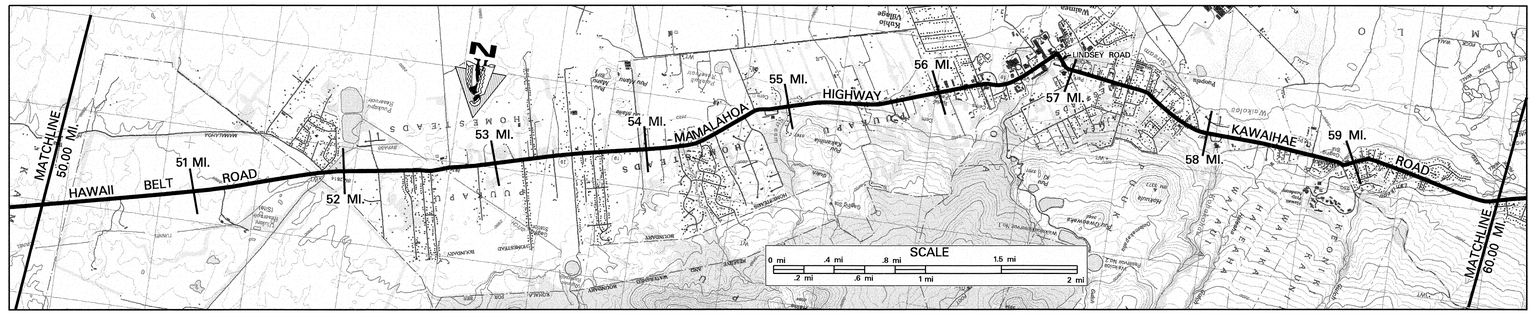
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

Structure Carrying Road

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

Vertical Clearance
Horizontal Clearance
44' | 24'

Structure Over Road

Vertical Clearance
Horizontal Clearance

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

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

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

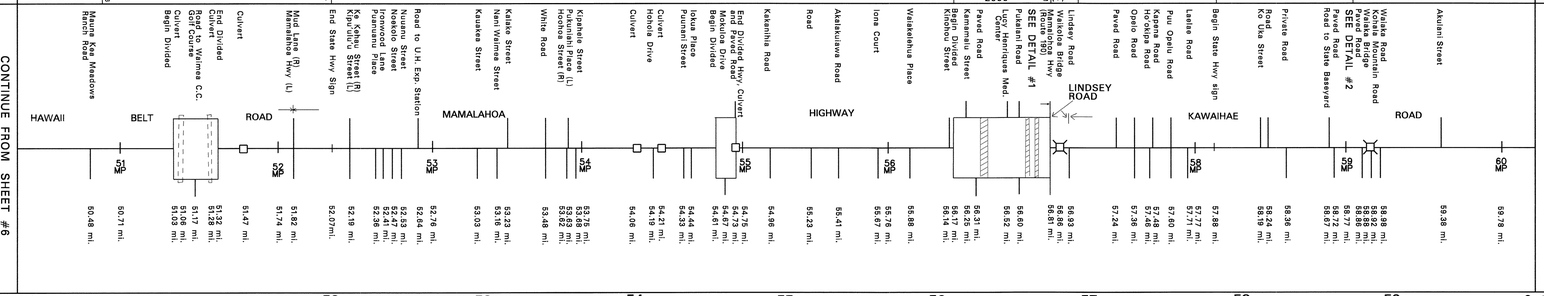
Control of Access: 1–None, 2–Partial, 3–Full
NONE

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

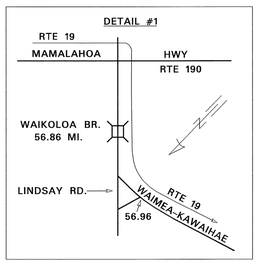
Project No., Type of Construction, and Year Constructed
19F–01–97M (RESURF) 1999 | STP-0100(42) COUNTY RESURF IMPR 2000 | 19D–01–91M (RESURF) 1992 | 19D–01–96M RESURF 1998

Project No., Type of Construction, and Year Constructed
STP-019-1(26) 1998 SHLDR IMPR | 19EF–01–89M (RESURF) 1990 | WDR 2(1) 1947 | STP-019-1(24) RESURF IMPR (SEE ALSO RTE 190) 2000 | RS-0250(05) COUNTY (RESURF) 1986

CONTINUE FROM SHEET #6



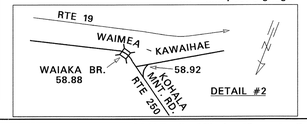
CONTINUE ON SHEET #8



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type
6' AC | 6' AC | 10'AC 6' AC | 4' AC

Pavement: Width and Type
24' AC | 12' AC | 24' AC | 22' AC | 20' AC | 7' – 15' GRASS | 4' – 10' GRASS | 20' AC | 12'–24' GRASS | 20' AC | 11' AC | 24' AC | 22' AC | 20' AC | 24' AC

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

Median: Width and Type
0'– 12' PAINTED AC | 4'–10' DIRT | 12' – 24' GRASS | 4'–8" PAINT | 4'–10' DIRT | 12' AC | 4' AC | 8'–10' RAISED CONC | 9"–12" AC CONC CURB | 9"–12" PAINT | 12' PAINTED AC

Median Barriers:

Divided Highway – Undivided

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

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

Shoulder: Width and Type
6' AC | 0

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

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)
CONCRETE SIDEWALKS

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

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

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

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
RURAL | URBAN

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

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

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

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

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

AADT (Year 2005)
8,950 | 14,890 | 16,480 | 19,900 | 17,740 | 14,830 | 9,190

DOD Sections

Census Tracts

Functional Classification
PRINCIPAL ARTERIAL

National Highway System (NHS)
N H S

Previous Projects: Project No., Date and Limits
19EF–01–89M RESURF 1990 | HES-0100(28) PHASE 2 SAFETY IMPRV 1997 | (19D–01–90M (R) 1991)
19F–02–78 SHLDR STABILIZATION
19F–01–78M RESURF 1978 | WDR 2(1) 1947 | RS-0250(05) COUNTY RESURFACE 1986 | 19D–01–91M (R) 1992 | 19D–01–82M 1982 | 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

ROAD INVENTORY

HAWAII RTE 19

QUEEN KAAHUMANU HWY, KAWAIHAE RD.

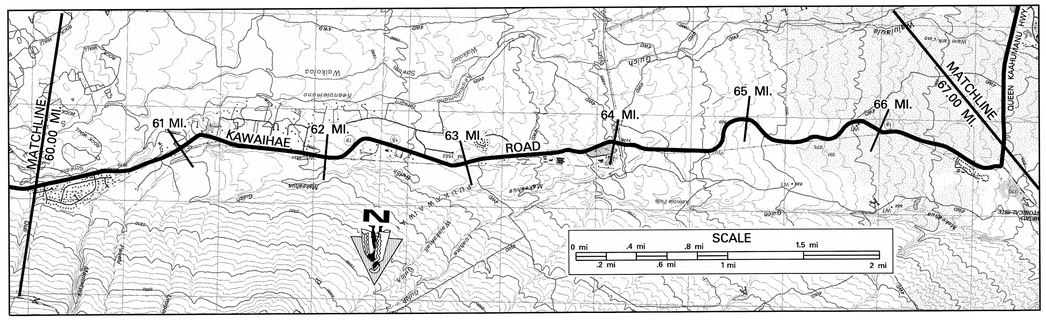
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

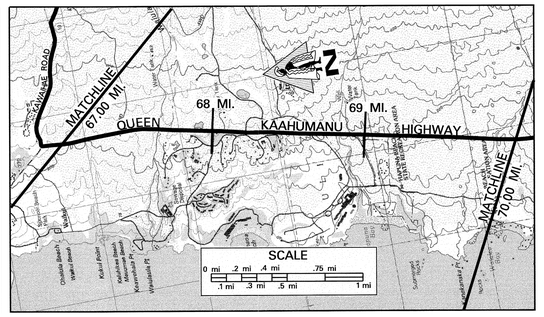
PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

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

*





SCALE: (In Miles) 2" = 1 mile

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-MAHUKONA ROAD — 19C (15.04 MILES)

Structure Carrying Road

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

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

60′ | 80′ – 145′ | 340′ – 420′

Available Right of Way Width (Needs Study)

1000′ CLEAR – GRASS, BUSHES AND SMALL TREES | (CLEAR 1000′ – GRASS, BUSHES, & LAVA ROCK 8′–10′ FROM EDGE OF PAVEMENT)

Right of Way Fence: Type – Right and Left

WIRE ON WOOD 20′ FROM EDGE OF PAVEMENT | WIRE ON WOOD 20′ FROM EDGE OF PAVEMENT

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

NONE | STATE | COUNTY TO STATE, PHASE 2 | STATE

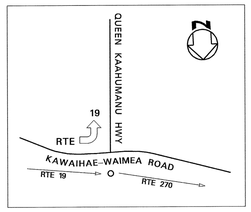
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)

Project No., Type of Construction, and Year Constructed

19D–01–96M RESURFACE 1998 | 19CD–01–97M RESURFACE 1999 | NH–019–1(29), GUARDRAIL & SHLDR. IMPR, 2006 | NH–019–1(28), GUARDRAIL & SHOULDER IMPRV., 2006 | NH–019–1(31) GUARDRAIL & SHLDR IMPR 2004 | 19C–01–94M 1994 SHLDR IMPROV

Project No., Type of Construction, and Year Constructed

19D–01–90M RESURF 1991 | HES–0100(28) PHASE 2, SAFETY IMPROV 1987 | 19D–01–90M RESURF 1991 | HES–0100(27) SAFE; IMP, 1986 | HES–0100(28) PHASE 2 SAFETY IMPROV 1987 | 19D–01–90M RESURF 1991 | 19C–01–78 1978 SHLDR. STAB. | (19C–01–76M RESURF 1977) | 19C–01–78 1978 SHLDR. STAB.



DETAIL

Road Diagram

* MP = Milepost Signage

CONTINUE FROM SHEET #7

Ohina Street | Mahua Street | Paved Driveway | Electric Power Sub-Station | Ouli Street | Kanehoa Street | Kahinu Place | Anekona Street | Waiula Drive | Waiemi Place | Tractor Crossing | Entrance to Water Supply Tank | Hulukupuna Street | SEE DETAIL Kawaihae Road (Rte 270) Begin Divided / End Divided | Culvert | Culvert | Begin Divided | Mauna Kea Beach Hotel Road | Keauna 'Oa Drive Hotel and Golf Xing | End Divided | Kea Kea Lani Bridge | Begin Divided | Hapuna Bay Drive | End Divided

KAWAIHAE ROAD — QUEEN KAAHUMANU HIGHWAY

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

60.02 mi. | 60.36 mi. | 60.58 mi. | 60.75 mi. | 60.91 mi. | 61.58 mi. | 61.77 mi. | 61.81 mi. | 62.36 mi. | 62.67 mi. | 62.77 mi. | 63.24 mi. | 63.75 mi. | 63.83 mi. | 64.30 mi. | 64.77 mi. | 65.77 mi. | 66.50 mi. | 66.71 mi. | 66.76 mi. | 66.79 mi. | 67.10 mi. | 67.21 mi. | 67.81 mi. | 67.85 mi. | 67.95 mi. | 68.16 mi. | 68.31 mi. | 68.57 mi. | 68.74 mi. | 68.93 mi. | 69.20 mi. | 69.77 mi.

1507 + 75

CONTINUE ON SHEET #9

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

4′ AC | (22′ AC) | 24′ AC | 22′ AC | 4′–12′ AC | 4′–14′ AC | 4′–10′ AC | 12′ AC | 6′ AC/4′ SEAL COAT | 12′ AC | 6′ AC/4′ SEAL COAT | (6′ AC/4′ SEAL COAT)

0 | 10′ PAINT | 0 – 11′ PAINTED MEDIAN | 0

2 – 11′ | 2 – 12′ | 2 – 11′ | 10′ GRV | 6′ AC/4′ SEAL COAT

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)

BITUMINOUS CURB

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

(ALL GUARDRAILS M/M)

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

URBAN | RURAL

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

ROLLING

Speed: 1–Design, 2–Posted

45 MPH (2) | 55 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

(B71 0019 05892) | B71 0019 06002 | B71 0019 06036 | B71 0019 06679

HPMS Section

63.15 | 63.44 | 66.77

AADT (Year 2005)

(9,190) | 8,820 | 8,820 | 11,730

DOD Sections

Census Tracts

Functional Classification

PRINCIPLE ARTERIAL

National Highway System (NHS)

NHS

Previous Projects: Project No., Date and Limits

19D–01–90M (R) 1991 | HES–0100(28) PH. 2 SAFETY 1987 | 19D–01–90M (R) 1991 | HES–0100(27) PH. 1 1986 SAFETY IMP. | 19CD–01–97M RESURFACE 1999

19D–01–92M 1982 | HES–0100(27) PH. 1 1986 SAFETY IMP. | 19D–01–72 RESURFACE 1972 | 19C–01–76M RESURF 1977 | 19BC–01–71 1974 GRADING 1975 PAVING

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

285 + 00 | 90 + 15 | 5 + 57.45

SCALE: (In Miles) 2" = 1 mile

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

ROAD INVENTORY

HAWAII RTE 19
QUEEN KAAHUMANU HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

IN COOPERATION WITH THE
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FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 99.59 miles

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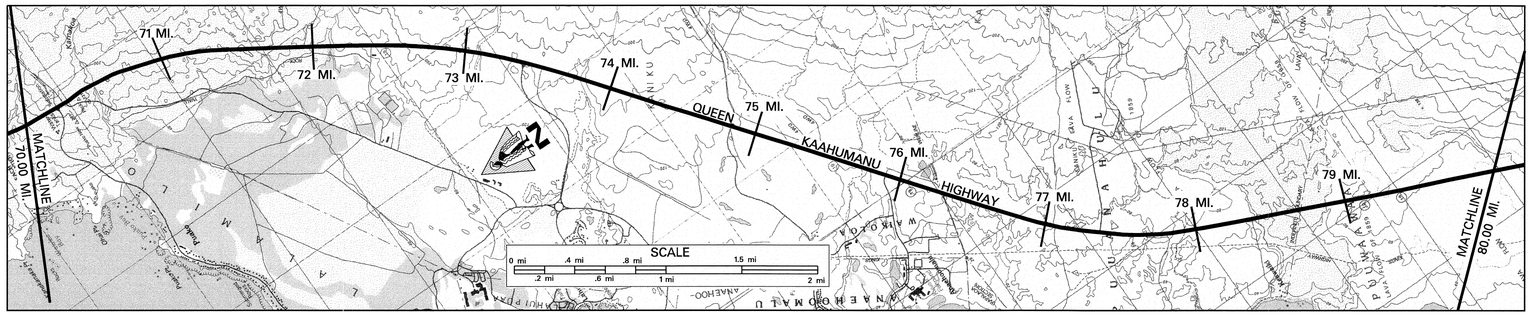


SCALE: (In Miles) 2" = 1 mile

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

Maintenance Control Sections : Length and Description

19C (15.04 MILES)

Structure Carrying Road

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

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

340' – 420' | 310' – 390'

Available Right of Way Width (Needs Study)

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

Right of Way Fence: Type – Right and Left

NONE

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

NONE

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

STATE

Project No., Type of Construction, and Year Constructed

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

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

Project No., Type of Construction, and Year Constructed

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

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUE FROM SHEET #8

Begin Divided — 70.02 mi.
Pueko Beach Drive — 70.17 mi.
End Divided — 70.45 mi.
Road — 70.77 mi.
QUEEN — 71 MP
70.95 mi.
76 MP — 71.77 mi.
Police and Fire Station Access Road — 72.32 mi.
73 MP — 72.77 mi.
Begin Divided — 73.20 mi.
Mauna Lani Drive — 73.34 mi.
End Divided — 73.58 mi.
74 MP — 73.77 mi.
Begin Divided — 74.50 mi.
Waikoloa Road — 74.78 mi. / 74.77 mi.
End Divided — 74.94 mi.
75 MP
KAAHUMANU — 76 MP
Begin Divided — 75.84 mi. / 75.78 mi.
Waikoloa Beach Drive Access to Regency Resort — 75.68 mi.
End Divided — 76.17 mi.
North Kona–South Kohala District Bdry — 76.11 mi.
77 MP — 76.77 mi.
Begin Divided — 77.00 mi.
Puu'Pohaku Road — 77.31 mi.
End Divided — 77.52 mi.
78 MP — 77.76 mi.
HIGHWAY — Culvert — 78.46 mi.
79 MP — 78.75 mi.
80 MP — 79.78 mi.

CONTINUE ON SHEET #10

SCALE: (In Miles) 2" = 1 mile

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

Divided Highway — Undivided

Shoulder: Width and Type

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' AC/4' SEAL COAT) | (24' AC) | (6' AC/4' SEAL COAT)

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

0 | (12' AC) | 6' AC/4' SEAL COAT | 6' AC/4' SEAL COAT | 0 | (6' AC) | 6' AC | 6' AC | 6' AC | 6' AC | 12' AC | 10' AC | 0 | 10' AC

PAINTED MEDIAN 0 – 12' | (6' AC/4' SEAL COAT) | PAINTED MEDIAN 0 – 12' | PAINTED MEDIAN 0 – 12' | PAINTED MEDIAN 0 – 12'

0 | 0 | 0 | 0 | 0

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

6' AC/4' SEAL COAT | (12' AC) | 6' AC | 6' AC | 6' AC | 10' 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

NONE

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL

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

ROLLING (2)

Speed: 1–Design, 2–Posted

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

Intersection Control Devices: Type, Location and Cycle Timing

3 PHASE | 3 PHASE

Traffic Station

B71 0019 06679 | B71 0019 07334 | B71 0019 07477 | B71 0019 07584

HPMS Section

71.77 | 73.77 | 75.55 | 79.78

AADT (Year 2005)

11,730 | 11,730 | 14,280 | 14,280

DOD Sections

Census Tracts

Functional Classification

PRINCIPAL ARTERIAL

National Highway System (NHS)

NHS

Previous Projects: Project No., Date and Limits

19BC–01–71 PHASE IIIA 1975 PAVING

G–3257–01–80 1962 (200+31.87) (1425+72.99)

19 BC–01–71 (PHASE IIIA) (GRADING) 1974 (1398+50) (1215+72.02)

19BC–01–71 (PHASE III B) (GRADING 1974 AND PAVING 1975) (1143+00)

SCALE: (In Miles) 2" = 1 mile

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

Date Released
Feb 2006, D.B.

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

ROAD INVENTORY

HAWAII RTE 19
QUEEN KAAHUMANU HWY

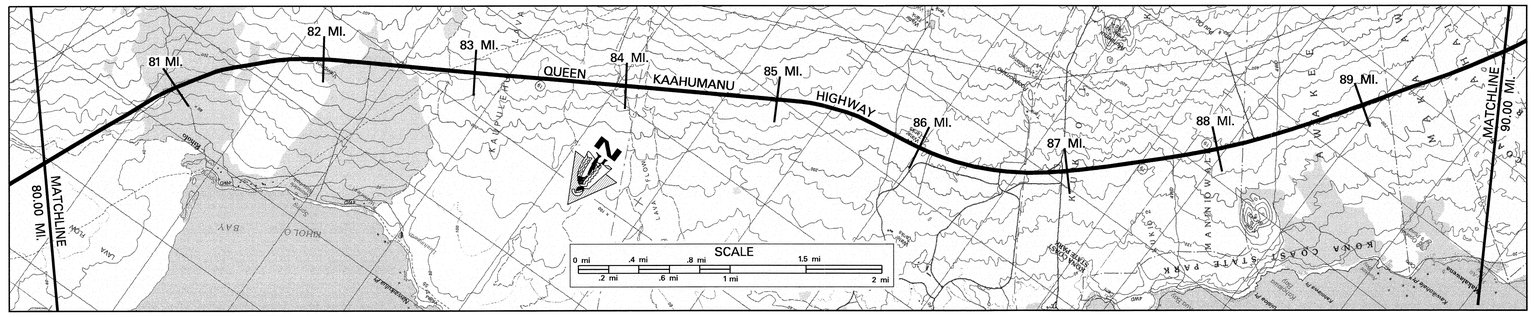
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

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

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

19C (15.04 MILES) | END 19B – BEG. 19C AT KINOLO 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

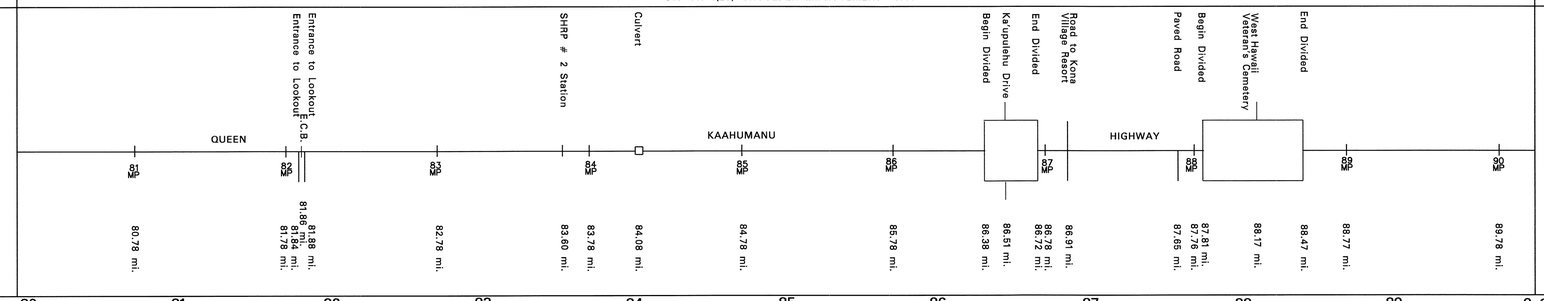
Right of Way Width (min.–max.) if varies	310' – 390'
Available Right of Way Width (Needs Study)	CLEAR 1000' – LAVA ROCK 8' – 10' FROM EDGE OF PAVEMENT
Right of Way Fence: Type – Right and Left	N O N E
Control of Access: 1–None, 2–Partial, 3–Full	N O N E
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	S T A T E
Project No., Type of Construction, and Year Constructed	NH–019–1(31) GUARDRAIL AND SHOULDER IMPROVEMENT 2004
Project No., Type of Construction, and Year Constructed	STP–019–1(23) SHOULDER IMPROVEMENT 1997

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUE FROM SHEET #9



CONTINUE ON SHEET #11

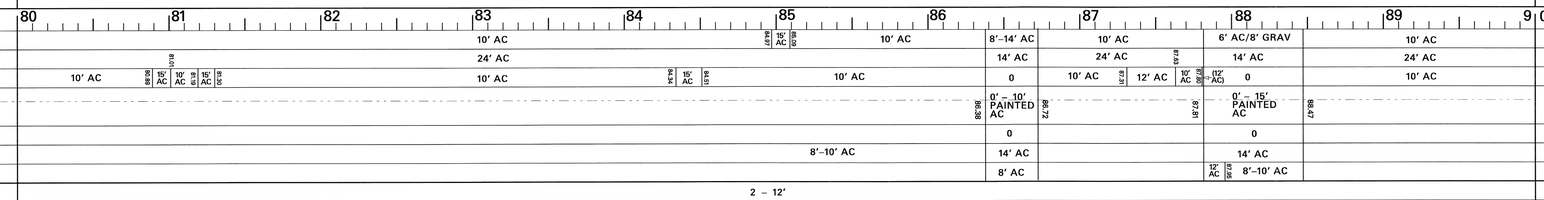
SCALE: (In Miles) 2" = 1 mile

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 – 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)	
Illumination: Type, Location and Number	
Curves: Degree of Curvature (Right and Left)	
Superelevation (Range)	
Grades: % Grade, Positive or Negative	
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	R U R A L
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	R O L L I N G (2)
Speed: 1–Design, 2–Posted	55 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Station	B71 0019 07584 / B71 0019 08578 / B71 0019 08691
HPMS Section	85.78
AADT (Year 2005)	14,280 / 14,280 / 14,280
DOD Sections	
Census Tracts	
Functional Classification	PRINCIPAL ARTERIAL
National Highway System (NHS)	N H S
Previous Projects: Project No., Date and Limits	19 BC – 01 – 71 (PHASE III B GRADING) 1974

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.

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

ROAD INVENTORY

HAWAII RTE 19
QUEEN KAAHUMANU HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

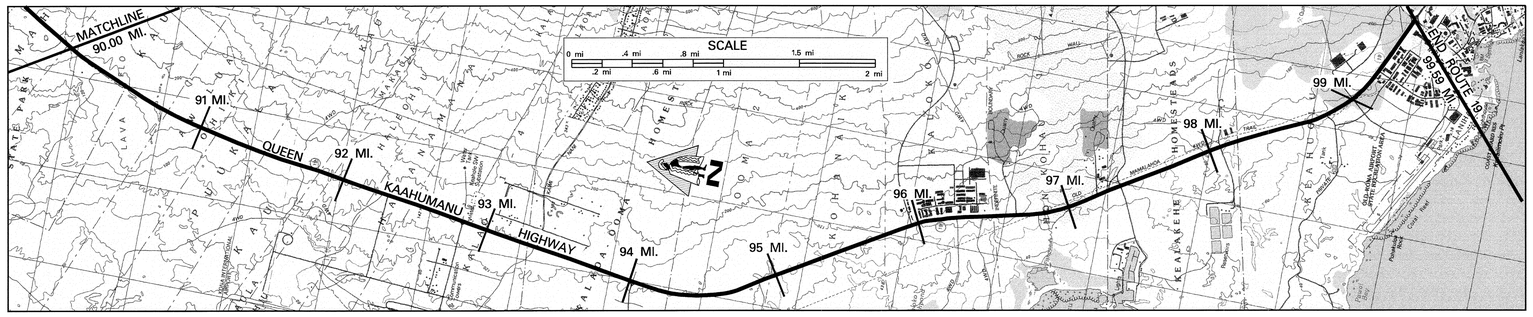
Total Route Length: 99.59 miles

a. Survey Length: 99.59 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

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

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: 310' – 390' | 300'

Available Right of Way (Needs Study): CLEAR 1000' – LAVA ROCK 8' – 10' FROM EDGE OF PAVEMENT

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

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE | COUNTY TO STATE, PHASE 3

Project No., Type of Construction, and Year Constructed: (BD-69-352, PAVING 1969) | 19A-01-02 INTER IMP 2005 | 19A-01-97M RESURFACE 2000

Project No., Type of Construction, and Year Constructed: NH-019-1(31) GUARDRAIL AND SHOULDER IMPROVEMENT 2004 | FJ1L-019-1(26) INTER 2009

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUE FROM SHEET #10

QUEEN KAAHUMANU HWY

Begin Divided — Kona Coast State Park Road — 90.06 mi. / 90.20 mi.
End Divided — 90.38 mi.
90.78 mi.
Begin Divided — Keahole Airport Power Sub Station Rd (L) — 92.57 mi. / 92.78 mi.
End Divided — Kaiminani Road (to Kalaoa) — 92.80 mi. / 93.31 mi.
Begin Divided — Telemetry Station and Begin Divided — 93.46 mi. / 93.74 mi.
End Divided — QTEC Road (L) Acc. Rd (R) — 93.78 mi. / 93.98 mi.
Begin Divided — 94.26 mi.
End Divided — Road — 94.77 mi. / 94.82 mi. / 94.84 mi.
Begin Divided — 95.11 mi.
End Divided — Hualalai Street — 95.33 mi.
Begin Divided — 95.58 mi.
End Divided — Hina Lani Street (Kaloka Ind. Park) — 95.78 mi. / 95.94 mi.
Begin Divided — 96.17 mi.
End Divided — 96.29 mi.
Begin Divided — Kaloko–Honokohau Paved Road — 96.47 mi. / 96.72 mi. / 96.75 mi.
Paved Road — 97.16 mi.
End Divided — Kealakehe Parkway (Route 197) — 97.32 mi. / 97.50 mi.
Begin Divided — Paved Road (R) Waste Transfer Rd (L) — 97.80 mi.
End Divided — 97.91 mi. / 98.06 mi.
Begin Divided — 98.19 mi.
End Divided — Makala Boulevard — 98.61 mi. / 98.78 mi. / 98.83 mi.
Begin Divided — 99.18 mi.
End Divided — Kalwi Street — 99.31 mi.
Begin Divided — 99.38 mi.

NOTE: ROUTE LENGTH ADJUSTED TO MATCH '88 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' | 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

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL | URBAN

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

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

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

Traffic Station: B71 0019 08691 | B71 0019 09280 | B71 0019 09732

HPMS Section: 91.50 | 94.77 | 97.80

AADT (Year 2005): 14,280 | 23,980 | 29,300

DOD Sections

Census Tracts

Functional Classification: PRINCIPLE ARTERIAL

National Highway System (NHS): N H S

Previous Projects: Project No., Date and Limits

STP-019-1(23) SHOULDER IMPROVEMENT 1997
19BC-01-71 (PHASE III B GRADING 1974 & PAVING 1975
(STP-019-1(22) 1998)
STP-019-1(18) RESURFACE 1997
BD-66-7-352 UNIT 3 GRADING & BD-69-352 PAVING 1969
19A-01-80M RESURFACE 1980
B-3267-02-63 1964

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.
Revised
G.N. — MAY 2006
D.B. — 1/07

ROAD INVENTORY

HAWAII RTE. 130
KEA'AU–PAHOA RD.

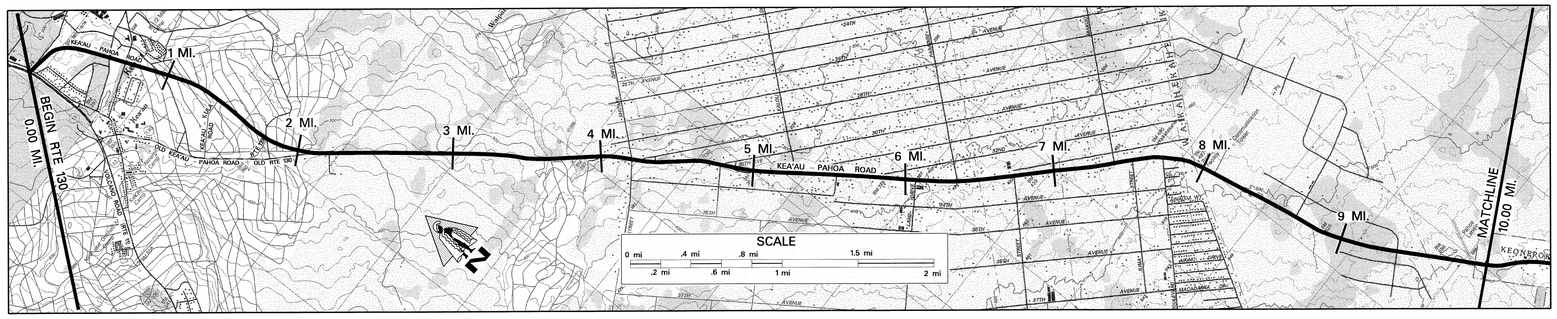
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

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

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles) 2″ = 1 mile

Maintenance Control Sections : Length and Description

130 B (12.12 mi.)

Structure Carrying Road

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

3 – 72″ Pipe Culvert 27′ (0.35) | 4 – 70″ Pipe Culvert 28′ (0.86) | 4 – 44″ Arch Culvert 30′ (1.09) | Triple Box Culvert 38′ (1.88) | Conc. Rigid Frame HS – 20, 1968 80′ (5.78)

Vertical Clearance: 40′

Horizontal Clearance

Structure Carrying Road Over

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 150′ – 220′ (2.33) | 80′ – 130′ (5.38) | 50′ | 80′ (8.87)

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

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

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): (S–0130(7) 1967) (5.37 / 5.38 / 6.48) | RS–0130(24), Widen & Resurf., 2003 (8.87)

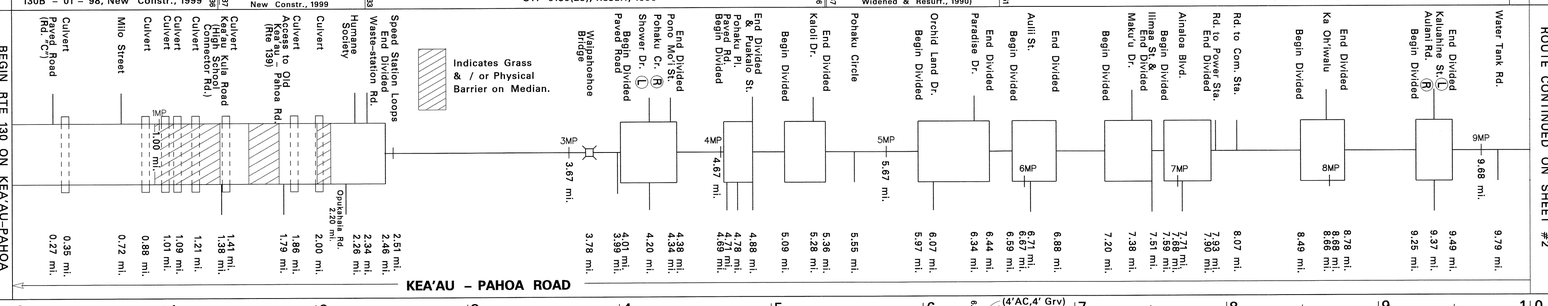
Project No., Type of Construction, and Year Constructed: 130B – 01 – 98, New Constr., 1999 (1.37 / 1.38 / 2.39) | 130B – 01 – 92, New Constr., 1999 | STP–0130(25), Resurf, 1996 | (RS–0130(16), Widened & Resurf., 1990) (6.51) | 130B–01–72, Resurf.,1972 | (STP-0130 (25), Resurf, 1996)

Project No., Type of Construction, and Year Constructed

ROUTE CONTINUED ON SHEET #2

Road Diagram

* MP = Milepost Signage



KEA'AU – PAHOA ROAD

SCALE: (In Miles) 2″ = 1 mile

Divided Highway

	Undivided	Divided
Shoulder: Width and Type	10′ AC	8′ Gravel
Pavement: Width and Type	(12′AC) 24′ AC (0.04 / 2.15)	12′ AC 24′ AC 8′ Gravel
Shoulder: Width and Type	4′ AC	8′ Gravel
Median: Width and Type		10′ Painted AC (0.84) | 10′ Grass (Flush) (1.37 / 1.58 / 1.78 / 2.07 / 2.10) | Varies 0–22′ Paint (2.46) (12′ Grass) (12′ Paint) (10′ Paint) (12′ Grass)
Shoulder: Width and Type		4′ AC
Pavement: Width and Type		24′ AC 12′ AC (2.04)
Shoulder: Width and Type	10′ AC	10′ AC

	0	1	2	3	4	5	6	7	8	9	10
Shoulder: Width and Type	10′ AC		8′ Gravel		8′ AC / 8′ Grv / 8′ AC / 30′ Grv	8′ AC	8′ (4′AC,4′ Grv)	10′ AC (6.34)	4′ Grass (7.07)	6′ AC (9.87)	(8′ Gravel)
Pavement: Width and Type	(12′AC) 24′ AC (0.04)	12′ AC (2.15)	24′ AC		12′ AC / 24′ AC	8′ Grv	24′ AC	12′ AC (4′ AC,4′ Grv) (6.51)	12′ AC (24′ AC)	12′ AC (24′ AC)	
Shoulder: Width and Type	4′ AC		8′ Gravel		0 / 8′ Grv	0	8′ (4′AC,4′ Grv)	0 (4′AC,4′ Grv)	0 (6′ AC)	0 (6′ AC)	(8′ Gravel)
Median: Width and Type	10′ Painted AC (0.84) | 10′ Grass (Flush) (1.37 / 1.58 / 1.78 / 2.07 / 2.10) | Varies 0–22′ Paint (2.46) (12′ Grass) (12′ Paint) (10′ Paint) (12′ Grass)				0′–12′ Painted AC (4.07) / 0′–12′ Paint on AC (4.88)	0′–12′ Painted AC (5.36)	0′–12′ Painted AC (5.97)	0′–18′ Painted AC (6.59)	0′–18′ Painted AC (6.88)	0′–18′ Painted AC (7.59)	0′–18′ Painted AC (7.90) / 0′–18′ Painted AC (8.78) / 0′–18′ Painted AC (9.49)
Shoulder: Width and Type	4′ AC				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 (4′AC,4′ Grv)	6′–10′ AC (6.39)	12′ AC	12′ AC	12′ AC
Shoulder: Width and Type	10′ AC				8′–12′ AC / 8′–12′ AC	8′–10′ AC	6′–10′ AC	6′ AC	6′ AC	6′ AC	6′ AC

Number of Traffic Lanes: (1–12′) (2–12′) 4 – 12′ (2.04) | 2 – 12′ | 2–14′ | 2 – 12′ (9.87) (2 – 12′)

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 0.15

(Right Side): All Turning Lanes 12′ — 12′ T. Lns (4.32 / 4.78 / 5.83) | (All T.Ls. 12′) (8.71)

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 (3.67 / 3.71 / 3.85 / 3.87)

Illumination: Type, Location and Number: Low Pressure Sodium (4.91) | Low Pressure Sodium (7.54)

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative: 2.40 | –1 (2.70) | –2 (2.81) | +1 (3.03 / 3.10) | +.5 (3.80) | +1 (3.97) | –1 (4.75) | +1 (4.92) | –1 (5.20) | +2 (5.46 / 5.56) | +2 (5.80) | +1 (6.23) | –1 (6.51) | +1 (6.69) | –1 (6.86) | +1 (7.69) | –1 (8.69) | +2 (9.38 / 9.98)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural | Flat

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Rolling (0.28) | Flat (3.30)

Speed: 1–Design, 2–Posted: 35 MPH (1) (0.28) | 45 MPH (1) (2.09) | 55 MPH (2) Minimum 40 MPH

Intersection Control Devices: Type, Location and Cycle Timing

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

HPMS Section: 1.50 | 3.99 4.60 7.71

AADT (Year 2005): 17,890 (2.20) | 19,260 | 11,470

DOD Sections

Census Tracts

Functional Classification: Minor Arterial (1)

National Highway System (NHS): None

Previous Projects: Project No., Date and Limits: (S–231(1) 1953) (9.87) (S–0130(9) 1967) | 130B–01–72 (R) 1972 (9.87) | (S–0130(9) 1966) (8.88) | 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.

ROAD INVENTORY

HAWAII RTE 130

KEA'AU–PAHOA RD., PAHOA–KALAPANA RD.

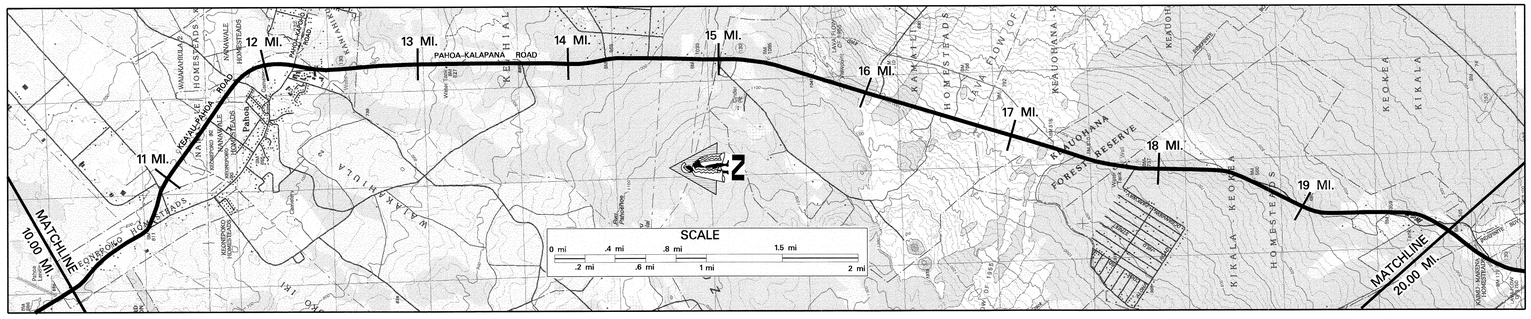
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

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

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles) 2" = 1 mile

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 Carrying Bridge Over Pipe

Vertical Clearance

Horizontal Clearance

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

80' (10.79) Residential Area | 50' – 110' (12.27) Trees (12.55) Chainlink Fence | (17.39) 100'–150' (17.23) Trees & Brush

Available Right of Way Width (Needs Study)

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

(12.27) (12.24) None | (19.83) SW (19.63)

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

(10.47) State | (17.42)

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

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

Project No., Type of Construction, and Year Constructed

STP–0130(25), Resurf, 1996 (10.47) RS – 0130(20), New Alignment, 1990 (12.38) 130A–01–92M, Resurf, 1993 (17.40) 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. (10.53 mi.) | End Divided Hwy. Kahakai Blvd. (10.66 mi.) | Homestead Rd. (West) (10.88 mi.) | Homestead Rd. (East) (11.42 mi.) | Pahoa-Kapoho Rd. (Rte 132) Begin Divided Hwy. (11.74 mi.) | End Divided Hwy. (12.00 mi.) | Board of Water Supply Tank (12.14 mi.) | Leilani Ave (13.16 mi.) | Malama St. (14.20mi.) | ALA ILI RD. (14.49 mi.) | Road (14.96 mi.) | Road (15.25 mi.) | Kamaili Road (to Opihikao) (15.74 mi.) | Project Marker (16.03 mi.) | Upper Puna Rd (17.41mi. 17.38 mi.) | One' Ele Rd. (17.77 mi.) | Old Kalapana Rd. (18.55 mi. 18.44 mi.) | Old Kalapana Rd. (18.82 mi.) | Old Kalapana Rd. (19.18 mi.) | Old Kalapana Rd. (19.52 mi.) | Old Kalapana Rd. (19.82 mi.)

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

KEA'AU–PAHOA ROAD — PAHOA–KALAPANA ROAD

ROUTE CONTINUED ON SHEET #3

Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type — 8' Gravel (10.46) | 8' AC | 8' AC | 8' AC (12.38) | 3' Gravel (12.75) | 4' Grass | 0 | 4' Grs. (14.84) | 6' Dirt (14.99) | 22' AC (17.39) | 10' Gravel

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

Shoulder: Width and Type — 8' Gravel (10.46) | 0 | 8' AC | 0 | 3' Gravel (12.75) | 4' Grass | 0 | 4' Grs. (14.84) | 6' Dirt | 10' Gravel

Divided Highway

Median: Width and Type — (10.53) 0'–12' Painted AC (10.97) | (12.00) 0'–12' Painted AC (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

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — 2 – 12' (10.46) (10.70) (10.88) (10.96) | All Turning Ln's = 12' (12.00) (12.14) (12.24) | 2 – 10' | 2 – 11' (17.39) | 2 – 12'

(Right Side) — (10.46) (10.76) (10.82) (10.88) (10.96) | (12.00) (12.14) (12.24) (12.30)

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

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left) — 4' (Type 2) Gutter | Metal on Concrete | Metal on Metal | 6' Gutter

Protective Devices: Type, Location and Number

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

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative — (10.41) –2 (10.72) | (12.81) +2 (12.90) | (13.17) –1 (13.32) | (14.73) +2 (14.91) | (15.39) –1 (15.90) | (16.11) –5 (16.47) | (16.59) –1 (17.31) | (17.46) 4 (17.66) | (17.86) –6 (18.21) | (18.73) –5 (18.87) | (19.14) –4 (19.31)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: — Rural

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

Speed: 1–Design, 2–Posted — 55 MPH ② (10.46) 45 MPH ① (10.79) | 55 MPH ① (11.07) 45 MPH ① (12.38) | 55 MPH ② Minimum 40 ②
(Minimum 40 MPH ②) 45 MPH ① (10.97) | 55 MPH ① (11.94) 45 MPH ①

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station — B71 0130 00771 | B71 0130 01088 | B71 0130 01214 | B71 0130 01420 | B71 0130 01777 | (B71 0130 01982)

HPMS Section — 10.69 | 11.66 | 13.71 | 17.53 | 18.77 | 19.82

AADT (Year 2005) — 11,470 | 10.86 7,550 | 12.14 3,330 | 14.20 1,750 | 17.77 1,750 | 1,640

DOD Sections

Census Tracts

Functional Classification — Minor Arterial (1) | 12.13 Major Collector (1)

National Highway System (NHS)

Previous Projects: Project No., Date and Limits — S–0130(9), 1967 (10.46) RS–0130(20) (New Alignment) 1990 (12.38) | (RS–0132(3) 1986 Widen and Resurf) RS–SR–0130(19) Resurf 1982 | S–130 (12) 1970

S–0130(9) 1966 (10.74) Sta 44+81.95 | HWY–H–01–69 (10.86) (12.00) County (12.13) | A–130–01–61 Sect. A (R/W) (13.72) (14.84) | ER–4(1) 1957, 59 (17.40) Sta 0+00 Sta 207+65.07

SCALE: (In Miles) 2" = 1 mile

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

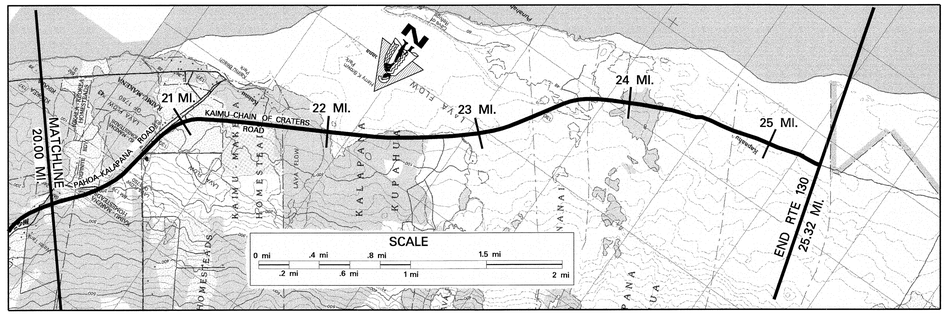
ROAD INVENTORY
HAWAII RTE 130
PAHOA–KALAPANA ROAD, KAIMU–CHAIN OF CRATERS ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

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

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

Structure Carrying Road

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

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

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

Available Right of Way Width (Needs Study)

Trees & Brush | Residential | Clear 1000' Lava Rock 10' from E.P.

Right of Way Fence: Type – Right and Left

SW | SW | SW | SW | WW | WW

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

None

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

State

Project No., Type of Construction, and Year Constructed

130A–01–97M
1998 Resurf.

Project No., Type of Construction, and Year Constructed

S–0130(12), 1971 | ER – 9(3) New Alignment, 1980 | 130A – 01–79M PMS – 0100(8), Unit 3, Resurf, 1978

Road Diagram

* MP = Milepost Signage

ROUTE CONTINUED FROM SHEET #2

Old Kalapana Rd | Begin Divided Hwy | Access Rds to Kalapana Rd | End Divided Hwy | 1992 Lava Flow & Road Barricade | Lokelani St. Lava Flow & Road Barricade | Keone Dr. | Access to Kalapana Bch. Rd. | Lava Flow | Coconut Palm Dr. Royal Palm Dr. | Road to Queen's Bath | Road | Cattle Guard

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

20.24 mi. | 20.62 mi. | 20.69 mi. | 20.75 mi. | 20.80 mi. | 20.97 mi. | 21.13 mi. | 21.83 mi. | 22.72 mi. | 22.80 mi. | 22.82 mi. | 23.13 mi. | 23.59 mi. | 23.73 mi. | 24.17 mi. | 24.37 mi. | 24.49 mi. | 24.59 mi. | 24.90 mi. | 24.93 mi. | 25.13 mi. | 25.31 mi.

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

PAHOA–KALAPANA RD — KAIMU–CHAIN OF CRATERS ROAD

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

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

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

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

Divided Highway

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

Shoulder: Width and Type | 0

Pavement: Width and Type | 12' AC

Shoulder: Width and Type | 10' AC

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

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: | Rural

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

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

Intersection Control Devices: Type, Location and Cycle Timing | 25 MPH (2) | 45 MPH (2) | 35 MPH (2)

Traffic Station | B71 0130 01982 | B71 0130 02183

HPMS Section | 20.69

AADT (Year 2005) | 1,640

DOD Sections

Census Tracts

Functional Classification | Major Collector (1)

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

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

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

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

SCALE: (In Miles) 2" = 1 mile

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

ROAD INVENTORY

HAWAII RTE 139
OLD KEA'AU – PAHOA ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

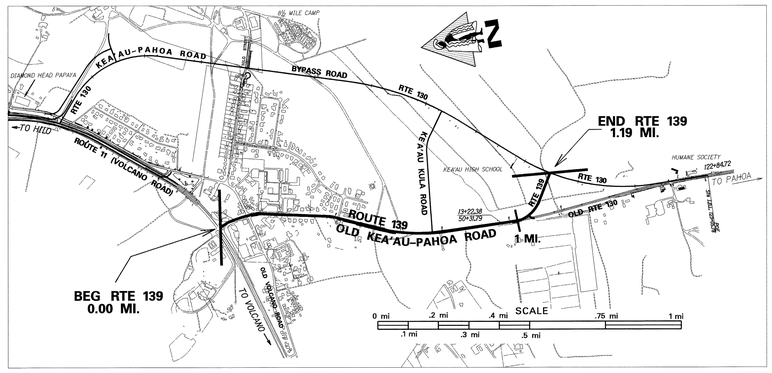
Total Route Length: 1.19 **MILES**

a. Survey Length: 1.19 **MILES**

b. Proposed Length: 0.00 **MILES**

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

*



SCALE: (In Miles) 4" = 1 mile

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' | 80'–130' | 90'–140'

Available Right of Way Width (Needs Study) — Residential | Clear 1000' – Sugar Cane – 6' from Pav't

Right of Way Fence: Type – Right and Left — Pipe | Chain Link | Chain Link

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

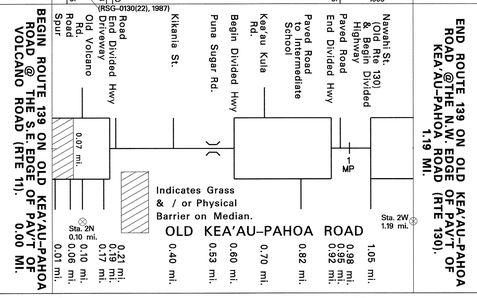
Jurisdiction, Transfer Phase No. and Date (C to S or S to C) — State

Project No., Type of Construction, and Year Constructed — 130B–01–91, Imp., 1993

Project No., Type of Construction, and Year Constructed — (F–011–2(17), 1987) | STP–0130(25), Resurf., 1996 | 130B–01–92 1999 | (RSG–0130(22), 1987)

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type — 6' AC | 10' AC | 8' Gravel | 4' AC

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

Shoulder: Width and Type — 0 | 0 | 6' AC | 2' AC | 0 | 8'–10' AC | 0

Median: Width and Type — 8' Grass (Raised) | 10' Painted Median | 12' Painted Median | 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 | 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 | 11' TL | 12' TLs

(Right Side) — 10' TLs | 12' TLs | 12' TLs

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

Sidewalk: Width and Type (Right and Left) — 4' AC S.W. | (6' Conc.) | 8' Conc.

Curb and/or Gutter: Type (Right and Left) — C. Curb | Curb | Curb | Curb | C. Curb

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

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative — +2

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: — Rural

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

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

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

Traffic Station — B71 0139 00000

HPMS Section — 0.75

AADT (Year 2005) — 6,870

DOD Sections

Census Tracts

Functional Classification — Major Collector

National Highway System (NHS) — None

Previous Projects: Project No., Date and Limits — (RSG–0130(22), 1987) | S–0130(2), 1966 | 130B–01–83M, (R), 1983 | S–130(7), 1967

SCALE: (In Miles) 4" = 1 mile

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
HIGHWAY PLANNING BRANCH

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

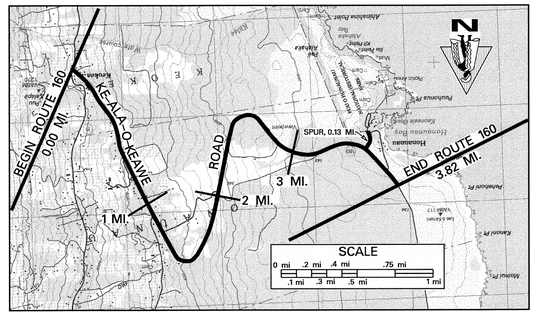
Total Route Length: 3.95 miles

a. Survey Length: 3.82 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.13 miles

* SPUR LENGTH



SCALE: (In Miles) 2″ = 1 mile

Maintenance Control Sections : Length and Description

BEGIN 160A ON KE-ALA-O-KEAWE RD. 25' W. OF CENTERLINE INTER. W/ MAMALAHOA HWY — 160 A (3.82 MI.) — END 160A SAME AS ROUTE

160 03 (0.13 MI.)

Structure Carrying Road

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

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

VARIES 80′ – 140′

Available Right of Way Width (Needs Study)

LARGE TREES & HEAVY GRASS, CUT SLOPES 1.46 — CLEAR 1000' BRUSH W/ SMALL TREES 5'-15' FROM EDGE OF PAV'T

Right of Way Fence: Type – Right and Left

1.23 FENCE (R) 1.70 — WIRE ON WOOD 25' FROM EDGE OF PAV'T — FENCE (L) & (R) 3.12 — FENCE (L) 3.95

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

NONE — (NONE)

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

STATE

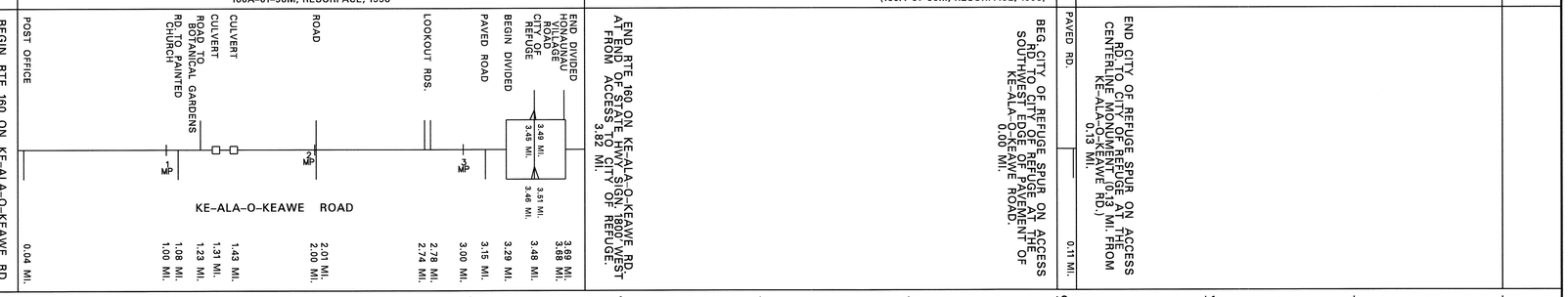
Project No., Type of Construction, and Year Constructed

160A–01–96M, RESURFACE, 1998 — (160A–01–96M, RESURFACE, 1998)

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 2″ = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type

4′ AC — (4′ AC)

Pavement: Width and Type

24′ AC | 2.80 | 24′ BST | 14′ AC | 2.42 — (24′ AC)

Shoulder: Width and Type

4′ AC | 0 | 4′ AC — (4′ AC)

Median: Width and Type

0–20′ PAINTED AC

Median Barriers:

3.29 | 3.89

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 3.45 | 3.56 | 3.39

(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)

METAL ON CONCRETE — METAL ON METAL

0.01 | 0.16 | 0.27 | 0.40 | 0.50 | 0.58 | 0.73 | 0.82 | 0.95 | 1.47 | 1.62 | 1.67 | 2.08 | 2.12 | 2.28 | 2.66 | 2.84 | 2.86 | 3.01 | 2.89 | 2.94 | 3.30 | 3.39

(METAL ON METAL) — 0.11 | 0.16

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL — (RURAL)

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

ROLLING — (ROLLING)

Speed: 1–Design, 2–Posted

45 MPH (MIN. 30 MPH) (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

B71 0160 00000 — B71 0160 00131 — (B71 0160 00348)

HPMS Section

0.75 — 3.00 — 3.48

AADT (Year 2005)

0.00 — 1,430 — 1.31 — 1,010 — 3.61 — 653

DOD Sections

Census Tracts

Functional Classification

MAJOR COLLECTOR

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

RS–0160(6) RESURFACE 1980 — 2.80

S–0160(1), 1961 — 1.01 — STA. 53 + 50′ — S–0160(2) UNIT 1, 1961 — 3.16 — S–0160(2) UNIT 2, 1961 — (S–0160(2) UNIT 2, 1961)

SCALE: (In Miles) 2″ = 1 mile

Date Released
OCT. 05, DB

Revised	
7/06	D.B.

ROAD INVENTORY

HAWAII RTE 190
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

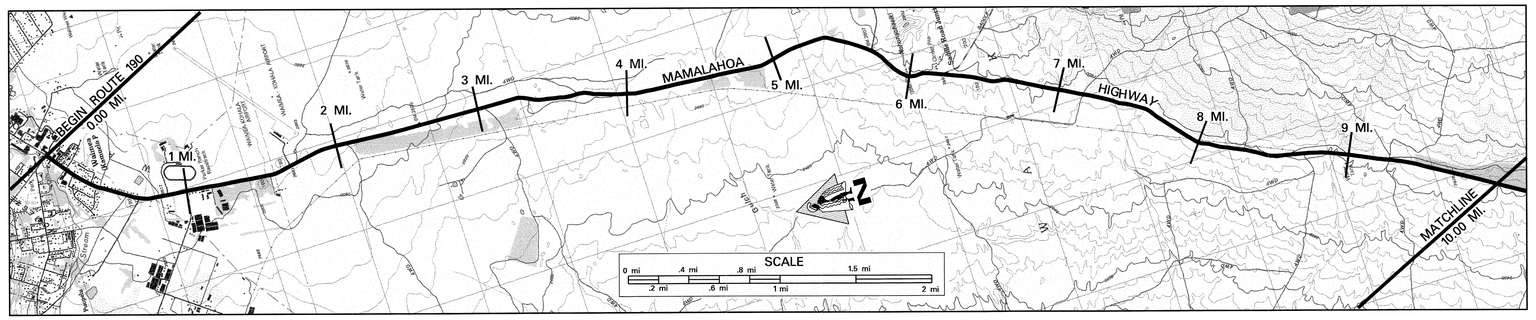
Total Route Length: 38.99 miles

a. Survey Length: 38.99 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

1.20 END 190 E, 0.05 MI. NORTH OF WAIMEA-KOHALA AIRPORT ROAD — 190 E (5.02 MI.) — 6.22 END 190 D – BEGIN 190 E ON MAMALAHOA HIGHWAY 100' NORTH OF SADDLE ROAD — 190 D (7.26 MI.)

Structure Carrying Road

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

Vertical Clearance
21' — 37'

Horizontal Clearance
24' — 40'

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies
70' — 8.42 100'–145' 8.73 80'–90' 9.76 100'–145'

Available Right of Way (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
(STP-019-1(24), 2000 RESURF., IMPRV. (ALSO SEE RTE 19)) — 0.10 WDRC 12(1), 1947 — 1.00 190E-01-98M, RESURF., 1999 — 4.68 4.70 190DE-01-99M, 2000 (RESURF.) — 9.74

Project No., Type of Construction, and Year Constructed

0.00 MI. BEGIN RTE 190 ON MAMALAHOA HIGHWAY AT THE SOUTHWEST EDGE OF PAVEMENT OF MAMALAHOAHIGHWAY AND LINDSEY ROAD (RTE 19).
0.05 MI. END DIVIDED
0.08 MI. AHUILI CIRCLE
0.12 MI. END DIVIDED & BEG. DIVIDED
0.34 MI. PAVED RD. & CORP. ROAD
0.59 MI. ENT. TO PARKER RANCH
0.68 MI. ROAD TO PARKER RANCH H.Q.
0.86 MI. LALAMILO ROAD
1.11 MI. END STATE HWY
1.20 MI. SIGN — FORMERLY - END OF SI 190 -
1.56 MI. WAIMEA-KOHALA AIRPORT ROAD
1.71 MI. PAVED ROAD
2.02 MI.
3.01 MI.
4.02 MI.
4.57 MI. 4.69 MI. KAMAKOA BR. #1 ROAD
5.01 MI.
5.70 MI. ROAD TO QUARRY WEST HAWAII CONCRETE
5.99 MI.
6.25 MI. SADDLE ROAD (RTE 200)
7.00 MI.
7.58 MI.
8.00 MI. KAMAKOA BR. #2
8.98 MI. 9.00 MI. ROAD
9.97 MI.
MAMALAHOA HWY

CONTINUED ON SHEET #2.

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type
(0'–10' AC) (8'–3' AC) — 0.08 — 1'–4" AC — 25' GRASS

Pavement: Width and Type
(11' AC) — 22' AC — (11' AC) 22' AC — 1.00 — 22' AC — 4' AC — 8.35 24' AC 9.09 24' AC 9.74 22' AC

Shoulder: Width and Type
0 — 0 GRASS — 0.27 — 0.44 — 15' GRASS — 4' AC

Median: Width and Type
(11'–0" PAINTED AC) — (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")) — 0.10 — 2–11' — 8.35 2–12' 9.09 9.11 2–12' 9.74 2–11'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
14' T.L. 11' T.L. 10' T.L. — 0.24 — 0.05 — 0.26 0.27 — (2–10')

(Right Side)
0.05

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

Sidewalk: Width and Type (Right and Left)
0.06 4' CONC. S.W.
0.03 8' CONC. S.W.

Curb and/or Gutter: Type (Right and Left)
0.06
0.03 CONC. CURBS (NO GUTTERS)

Protective Devices: Type, Location and Number
8.45 8.50 METAL ON METAL — METAL ON METAL 7.89 7.91 — 9.30 9.34 9.67 9.87 WOOD ON CONCRETE — 9.74 9.98 9.24 9.30 9.67

Illumination: Type, Location and Number
MV 0.69

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)
8.12 +2 8.29 9.89 –4

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
URBAN 2.00 — RURAL

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

Speed: 1–Design, 2–Posted
35 MPH (2) 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 Station
B71 0190 00000 — 0.72 — B71 0190 00100 — 1.91 — B71 0190 00202 — 9.00

HPMS Section

AADT (Year 2005)
10,140 — 1.00 — 9,580 — 2.02 — 7,230

DOD Sections

Census Tracts

Functional Classification
MINOR ARTERIAL

National Highway System (NHS)
4.53 — RS-0190(8) 1988, (R) (RS-0190(5), 1980) — 7.47 — 7.66

Previous Projects: Project No., Date and Limits
WDRC 12(1) 1947 — 1.00 — RS-0190(7), RESURF. & REALIGN., 1987 — WDRC 12(1) 1948 — 4.53 — 5.45 — 19 DE-01-68 — 6.26 — 8.38 RS-0190(2), 1979 9.09 — COUNTY — 9.15 F-10(6), 1953 9.75 — (FAP 10-C(1), 1936) — STA. 232 + 00 — STA. 199 + 00

SCALE: (In Miles) 2" = 1 mile

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

Road Diagram

* MP = Milepost Signage

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
HIGHWAY PLANNING BRANCH

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

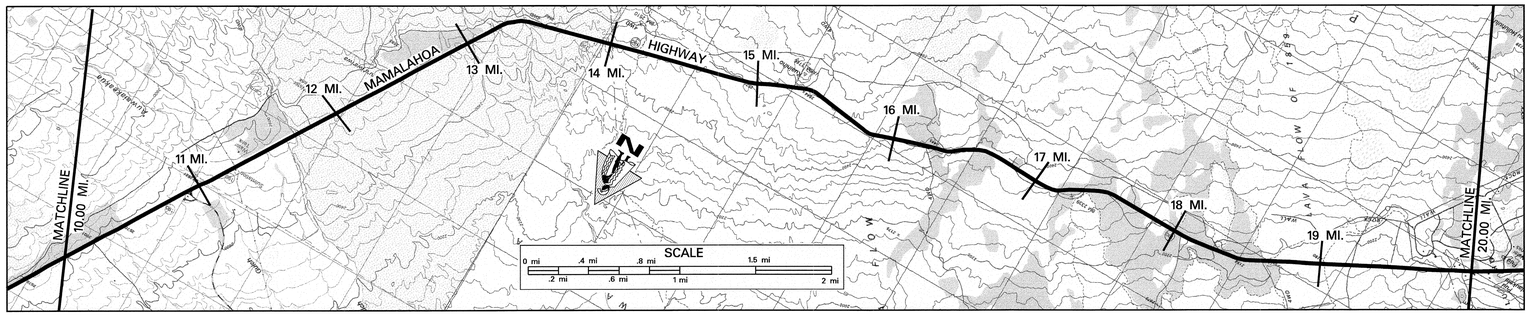
Total Route Length: 38.99 miles

a. Survey Length: 38.99 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Maintenance Control Sections : Length and Description

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

Structure Carrying Road

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

PRESTRESSED CONCRETE GIRDER, HL-93, 2001 — 133' (11.04) — 119' (11.72)

SLAB 1940, H-15 — 23' (13.06)

Vertical Clearance

40' | 40' | 32'

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

100' – 145' | 60' – 150'

Available Right of Way Width (Needs Study)

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

Right of Way Fence: Type – Right and Left

WIRE ON WOOD 10' FROM PAVEMENT (12.94) | WIRE ON WOOD 10' FROM PAVEMENT (18.73) | WIRE ON WOOD 10' FROM PAVEMENT (19.14)

WIRE ON WOOD 10' FROM PAVEMENT

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

NONE

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

STATE

Project No., Type of Construction, and Year Constructed

(BR-0190(13), 2001 BRIDGE REPLACEMENT) (10.95 | 11.17 | 11.63 | 11.84) — 190CD-01-88M, 1988 (R) — 190C-01-89M, 1989 (R) — (19C-01-70, (RESURF. & REHAB.), 1971) (19.87)

Project No., Type of Construction, and Year Constructed

CONTINUED FROM SHEET #1

BEGIN MAMALAHOA HIGHWAY DIVIDED (10.85 MI.) — AUWAIAKEAKUA BR. (10.93 MI.) — END DIVIDED (11.02 MI.) — POWER SUB STATION (11.04 MI.) — POPOO BR. (11.26 MI.) — KEAMUKU BR. CULVERT (11.72 MI.) — CULVERT (11.97 MI.) — SIGN POST DISTRICT SOUTH OF KONA (12.86 MI.) — SPEED MONITORING STATION (13.06 MI.) — NE EDGE OF 1859 LAVA FLOW (13.96 MI.) — BIG ISLAND COUNTRY CLUB RD. (14.07 MI.) — SUBSTATION D.W. (14.54 MI.) — (14.96 MI.) — (15.98 MI.) — (16.96 MI.) — (17.96 MI.) — (18.65 MI.) — (19.00 MI.) — (19.86 MI.) — (19.99 MI.)

MAMALAHOA HWY

CONTINUED ON SHEET #3

SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Divided Highway – Undivided

Shoulder: Width and Type

4' AC | 4'–5' AC | 4' DIRT

Pavement: Width and Type

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

Shoulder: Width and Type

4' AC | 0 | 4'–5' AC | 5' DIRT

Median: Width and Type

(0-12' PAINTED MEDIAN)

Median Barriers:

(10.85 | 11.02)

Shoulder: Width and Type

0

Pavement: Width and Type

17' AC

Shoulder: Width and Type

(2-10.5') 4'-5' AC | 1-14' 1-17'

Number of Traffic Lanes

2–11' (10.76) | 2–10.5' | 2–9' (15.79) | 2–11'

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

(10.84 | 11.02)

(Right Side)

(10.86 | 10.93)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

11.13 (10.91 | 11.15) M/M (11.69 | 11.77) — (12.19 | 13.23 | 13.41 | 13.60) METAL RAILS ON CONCRETE POSTS

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

(-4) 10.05 | 10.41 +1 | 10.76 10.84 –4 | 10.93 11.13 +1 | 11.36 11.74 +1 | 12.24 13.00 +2 | 13.23 13.61 –3 | 13.90 14.03 –3 | 14.03 14.26 +1 | 14.49 14.95 +4 | 15.46 15.65 +1 | 16.00 16.12 +1 | 16.35 16.41 | 19.24 19.36 –4 | 19.44 19.77 +2 | 19.90

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL

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

ROLLING

Speed: 1–Design, 2–Posted

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

B71 0190 00202 | B71 0190 01126 (14.96) | B71 0190 01598

HPMS Section

AADT (Year 2005)

7,230 (11.26) | 4,300 (15.98) | 4,300

DOD Sections

Census Tracts

Functional Classification

MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

RS-0190(8), 1988 (R) (10.76) — 190CD-01-88M, 1988 (R) (13.25 | 13.36 | 13.62) — (15.79) 19C-01-70 (RESURF & REHAB), 1971 (16.45) — FAP 10-C(1), 1938 — FAP E-10B, 1932 — FAP 10-A, 1932

STA. # 642 + 00

SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

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
HIGHWAY PLANNING BRANCH

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

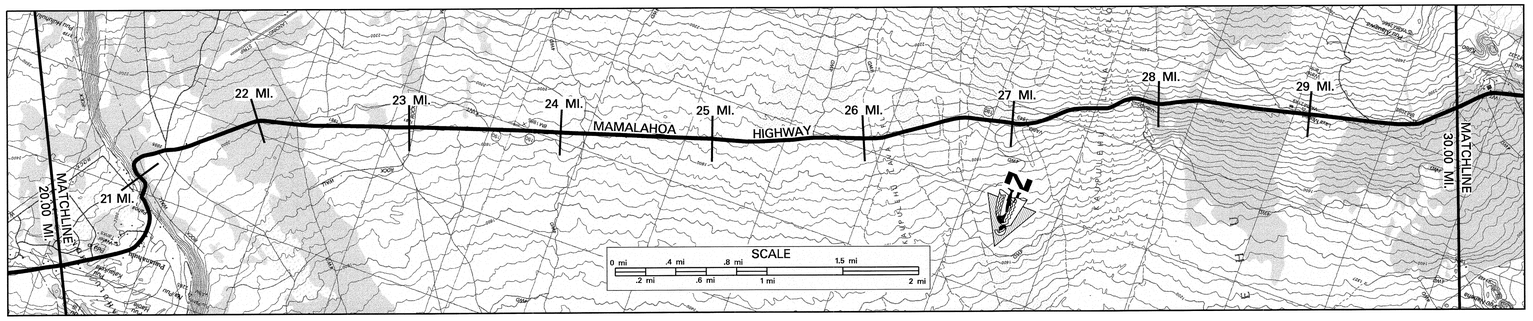
Total Route Length: 38.99 miles

a. Survey Length: 38.99 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

190 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

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

Available Right of Way Width (Needs Study)

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

STONE WALL 8' FROM PAVEMENT WIRE ON WOOD 15'–20' FROM PAVEMENT CRM WALL CRM WALL

Right of Way Fence: Type – Right and Left

(WIRE ON WOOD – 10' FROM PAVEMENT)

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

NONE

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

STATE

Project No., Type of Construction, and Year Constructed

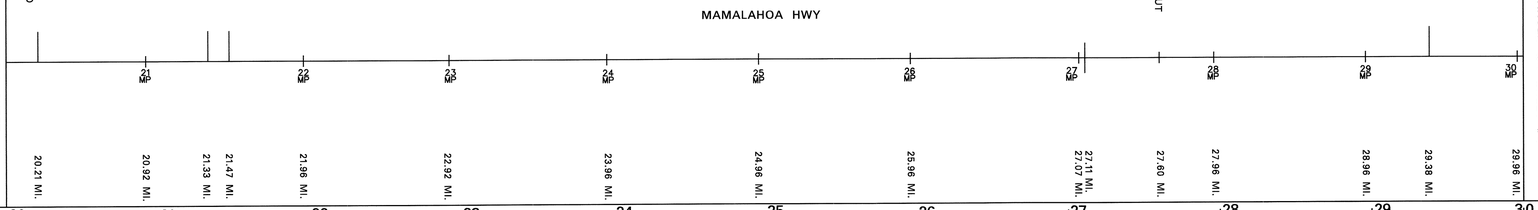
(STP-0100(31) – GUARDRAIL IMPROVEMENTS, 1994)

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

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

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

Pavement: Width and Type 22' AC 21' AC 22' AC

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

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes 2–11' 1–11' 1–10' 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 –2 –1 +1 –1 –1 –1

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station B71 0190 01598

HPMS Section 24.96

AADT (Year 2005) 4,300

DOD Sections

Census Tracts

Functional Classification MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits F–10(5), 1956 F–10(5), 1954

19C–01–70 (RESURF. & REHAB.), 1971 190B–01–71 (RESURFACE) 1971 (FAP 10–A, 1933)–(FAP 10–A, 1932)

F 10–A, 1932

SCALE: (In Miles) 2" = 1 mile

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

ROAD INVENTORY

HAWAII RTE 190
MAMALAHOA HWY., PALANI RD.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

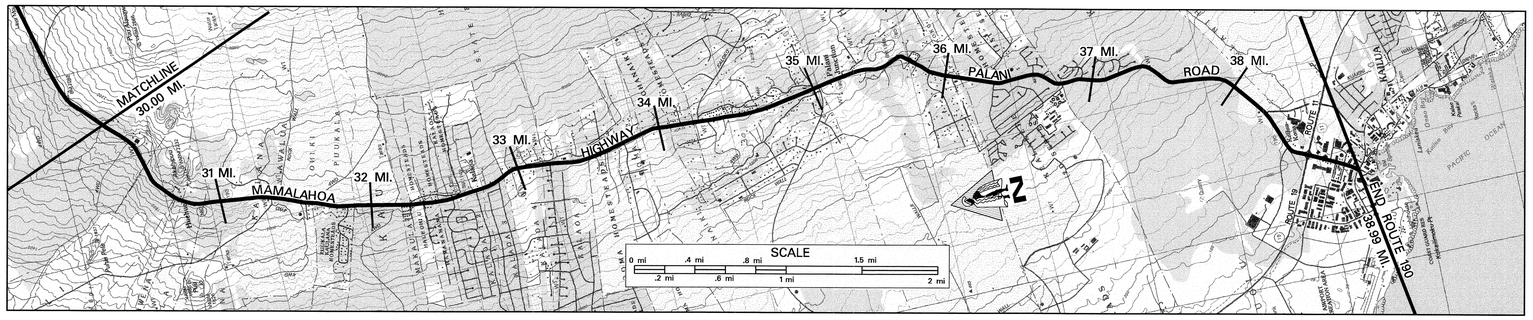
Total Route Length: 38.99 miles

a. Survey Length: 38.99 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

190 B (13.91 MI.) | BEGIN 190 B ON MAMALAHOA HWY AT THE CENTERLINE OF FASC 180 (35.26)

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

Vertical Clearance

Horizontal Clearance

Structure Carrying Railroad — Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 80'–217' (35.26) | 40'–60'

Available Right of Way Width (Needs Study): BRUSH, GRASS & LARGE TREES (32.37) | RESIDENTIAL AREA (36.63)

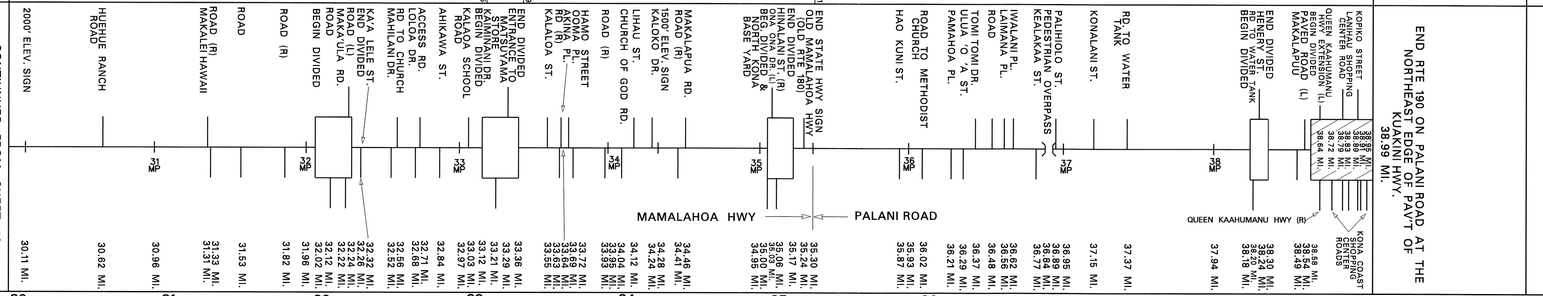
Right of Way Fence: Type – Right and Left: (38.22) STONEWALL 4'–8" FROM PAVEMENT | STONEWALL 4'–8" FROM PAVEMENT (38.63)

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE (35.26) | COUNTY

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

Project No., Type of Construction, and Year Constructed: 190B–01–91M, (R), 1992 (35.19) | 190B–01–91M, (R), 1992 (35.26)



CONTINUED FROM SHEET #3

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type: 7' GRAVEL | 6' AC | 7' GRAVEL | 6' AC | 7' GRAVEL | 4' DIRT | 6' AC | 2' AC (2'–10" AC)

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 (12' AC)

Shoulder: Width and Type: 7' GRAVEL | 0 | 7' GRAVEL | 0 | 7' GRAVEL | 0 | 4' DIRT | 0 | 2' AC (1' AC)

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

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

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

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

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

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

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

(Right Side): 11' (L) TLs

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

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

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

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

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL | URBAN

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

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

Intersection Control Devices: Type, Location and Cycle Timing

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

HPMS Section: 31.31 | 35.00 | 37.94 | 38.72

AADT (Year 2005): 4,300 | 13,710 | 18,220 | 19,640

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL | MAJOR COLLECTOR

National Highway System (NHS)

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

SCALE: (In Miles) 2" = 1 mile

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

ROAD INVENTORY

HAWAII RTE 197
KEALAKEHE PARKWAY

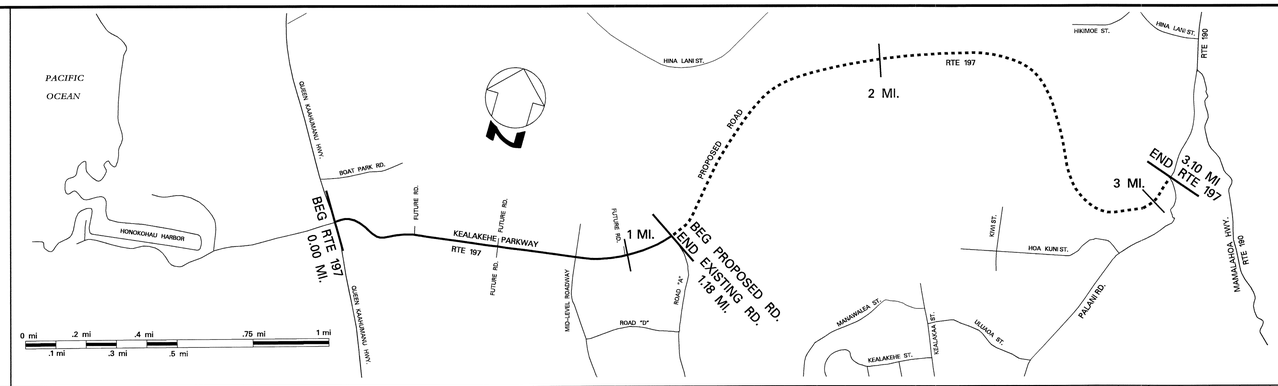
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

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

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Maintenance Control Sections : Length and Description

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

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

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

Available Right of Way Width (Needs Study)

Right of Way Fence: Type – Right and Left

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

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

Project No. and Type of Construction

Year Project Constructed

Road Diagram

* MP = Milepost Signage

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

BEGIN DIVIDED

FUTURE RD Ⓖ — 0.05 MI.

FUTURE RD Ⓓ & Ⓔ — 0.30 MI.

ANE KEOHOKALOLE HWY Ⓒ & Ⓔ — 0.58 MI.

FUTURE RD Ⓛ — 0.84 MI.

END EXISTING ON KEALAKEHE PKWY. @ ℄ OF KEANALEHU DR. Ⓑ (BEG. PROPOSED RD.) — 1.01 MI.

KEALAKEHE PARKWAY — 1.18 MI.

Indicates Grass & / or Physical Barrier on Median.

PROPOSED ROAD

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

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Divided Highway

Undivided
- Shoulder: Width and Type — 12' AC | 0 | 0'–14' AC | 0
- Pavement: Width and Type — 24'AC | 12'AC
- Shoulder: Width and Type — 12' AC | 0 | 3'AC

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

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

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

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

(Right Side) — 11'AC

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

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

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

Protective Devices: Type, Location and Number — METAL GUARDRAIL

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

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: — Rural

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station — B71 0197 00000

HPMS Section — 0.60

AADT (Year 2005) — 3,510

DOD Sections

Census Tracts

Functional Classification — Minor Arterial | Minor Arterial

National Highway System (NHS) — None

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

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

ROAD INVENTORY

HAWAII RTE 200
SADDLE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

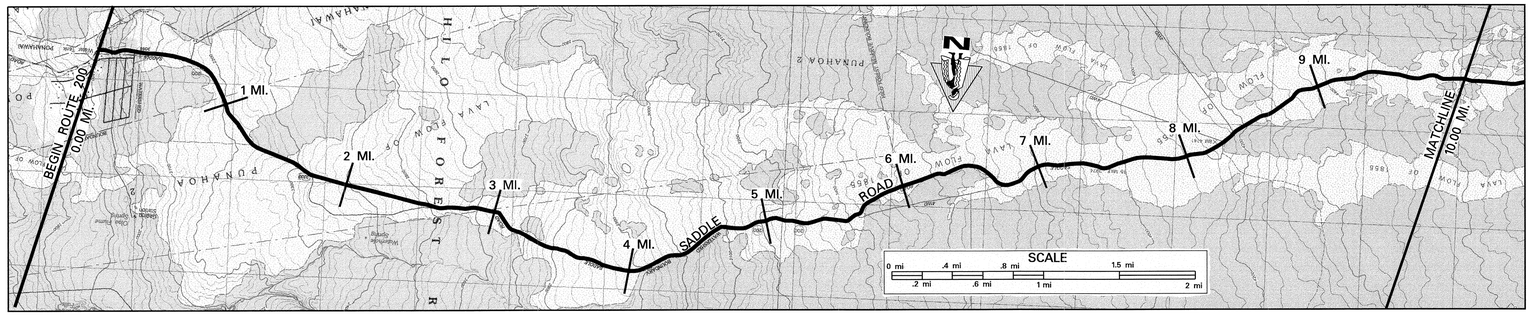
Total Route Length: 45.74 miles

a. Survey Length: 45.74 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Maintenance Control Sections : Length and Description	
Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed	
Structure Carrying Road — Vertical Clearance	
Structure Carrying Road — Horizontal Clearance	
Structure Over Road — Vertical Clearance	
Structure Over Road — Horizontal Clearance	
Right of Way Width (min.–max.) if varies	ESTIMATED, VARIES 50'–150'
Available Right of Way Width (Needs Study)	BUSHES, GRASS & TREES
Right of Way Fence: Type – Right and Left	NONE
Control of Access: 1–None, 2–Partial, 3–Full	NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	COUNTY
Project No., Type of Construction, and Year Constructed	
Project No., Type of Construction, and Year Constructed	COUNTY 1.13 RS-0200(4), COUNTY PROJECT, 1987 (R) 3.72 RS-0200(3), COUNTY PROJECT, 1987 (R)

Road Diagram

* MP = Milepost Signage

BEGIN RTE 200 AT 0.00 MI. (SADDLE ROAD AT THE HILO URBAN BOUNDARY (FOREST RESERVE SIGN) APROX. 0.17 MI. (897') SOUTHEAST OF TRIG STATION

TRIG. STATION UA NAHELE ST.

HILO FOREST RESERVE SIGN

SADDLE ROAD

HILO FOREST RESERVE SIGN

CONTINUED ON SHEET #2

8 MP 9 MP 10 MP 11 MP 12 MP 13 MP 14 MP 15 MP 16 MP 17 MP

0.17 MI. 0.16 MI. 0.18 MI. 1.16 MI. 2.24 MI. 3.11 MI. 3.08 MI. 4.10 MI. 5.14 MI. 6.10 MI. 7.09 MI. 8.13 MI. 8.06 MI. 9.18 MI.

SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Divided Highway — Undivided — Shoulder: Width and Type	2'–4' GRASS; 4' AC 3.72; 10' DIRT 3.96; 4' AC 4.63; 10' DIRT 6.30; 4' AC 6.58; 2' AC/10' DIRT 9.18; 4' AC 9.33; 10' DIRT
Divided Highway — Undivided — Pavement: Width and Type	20' BST 1.13; 22' AC
Divided Highway — Undivided — Shoulder: Width and Type	2'–4' GRASS; 4' AC 3.72; 10' DIRT 3.96; 4' AC 4.63; 10' DIRT 6.30; 4' AC 6.58; 2' AC/10' DIRT 9.18; 4' AC 9.33; 10' DIRT
Divided 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' 1.13; 2–11'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	
(Right Side)	
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	
Curb and/or Gutter: Type (Right and Left)	
Protective Devices: Type, Location and Number	
Illumination: Type, Location and Number	
Curves: Degree of Curvature (Right and Left)	
Superelevation (Range)	
Grades: % Grade, Positive or Negative	
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	RURAL
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	ROLLING
Speed: 1–Design, 2–Posted	(NOT POSTED) 0.98; 35 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Station	B71 0200 00000; B71 0200 00115
HPMS Section	
AADT (Year 2005)	1,068; 1.15 1,139
DOD Sections	
Census Tracts	
Functional Classification	MINOR ARTERIAL
National Highway System (NHS)	
Previous Projects: Project No., Date and Limits	

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

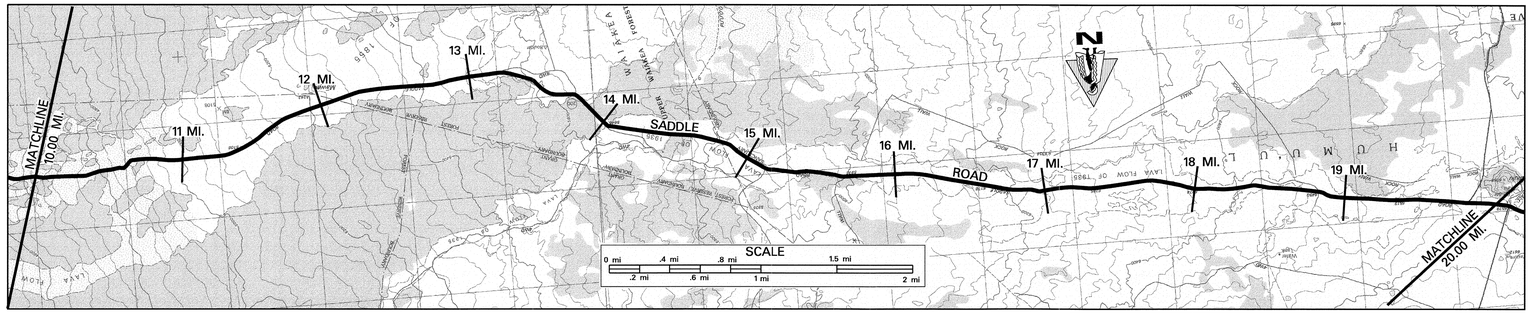
ROAD INVENTORY
HAWAII RTE 200
SADDLE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

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

*



SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Maintenance Control Sections : Length and Description

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

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

Right of Way Width (min.–max.) if varies: VARIES 50'–100'

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

Right of Way Fence: Type – Right and Left: 14.48 14.52 (WOOD ON WOOD 40' FROM E.P.)

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

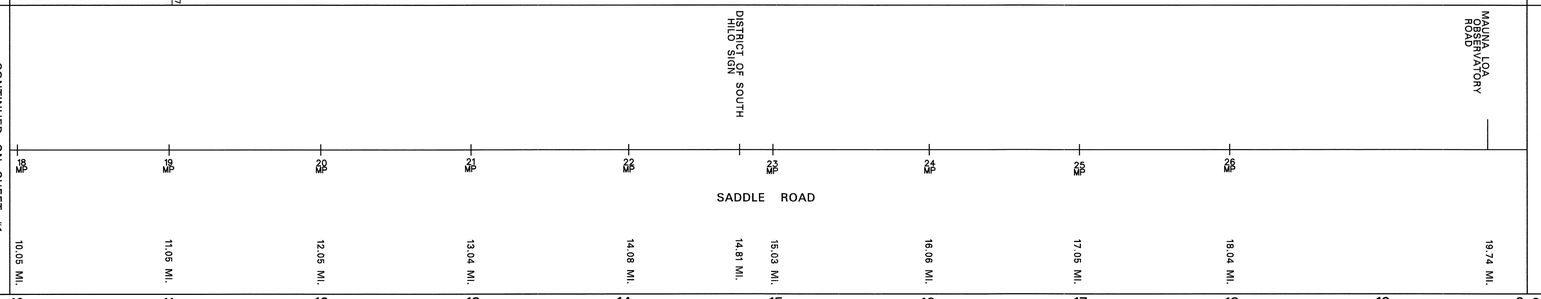
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): COUNTY

Project No., Type of Construction, and Year Constructed:

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

Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Divided Highway – Undivided
- **Shoulder: Width and Type:** 10' DIRT | 4' AC | 10' DIRT (10.33) | 10' DIRT | 2'–4' GRASS (11.87) | 6' GRASS | 6' GRV. (13.91) | 4' GRAVEL
- **Pavement: Width and Type:** 22' AC (4' AC) (11.07) | 20' BST (13.91) | 8½' AC (14.09) | 20' BP (15.31) | 20' AC
- **Shoulder: Width and Type:** 10' DIRT | 4' AC (10.43) | 10' DIRT (10.84) | 10' DIRT | 2'–4' GRASS (11.87) | 6' GRASS | 6' GRV. (14.09) | 6' GRASS (15.31) | 4' GRAVEL

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

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

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: ROLLING (15.35) FLAT

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: B71 0200 00115 | B71 0200 01109 | B71 0200 01529

HPMS Section

AADT (Year 2005): 1,139 (11.09) 1,048 (15.35) 1,068

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

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

ROAD INVENTORY

HAWAII RTE 200
SADDLE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

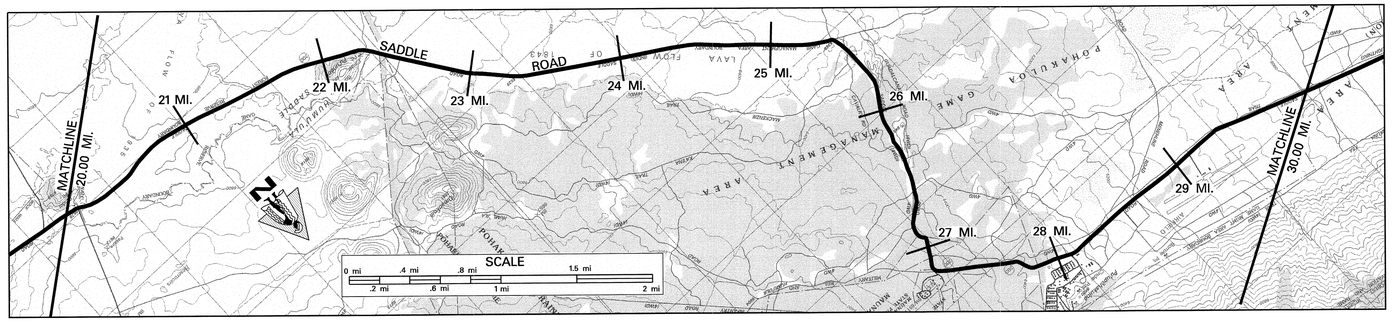
Total Route Length: 45.74 miles

a. Survey Length: 45.74 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

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

Maintenance Control Sections : Length and Description

Structure Carrying Road

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

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies — VARIES 50'–150'

Available Right of Way Width (Needs Study) — 1000' CLEAR – LAVA ROCK W/ SMALL BUSHES 10'–15' FROM E.P. (25.96) | 1000' CLEAR – GRASSLAND W/ BUSHES & SMALL TREES 10'–15' FROM E.P. (26.76, 27.01, 27.90, 28.05)

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

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

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 #2

SADDLE ROAD

MP	Mile	
28	20.08	MAUNA KEA OBSERVATORY RD.
28	20.08	
30	21.04	DIST. OF HAMAKUA SIGN TRACTOR XING
31	22.07	
32	22.49	
32	22.45	
33	23.13	TANK CROSSING
34	24.04	
25	25.10	TRACTOR CROSSING PAVED ROAD
25	25.46	TRACTOR CROSSING
25	25.46	CULVERT
26	26.04	TRACTOR CROSSING
26	26.28	MAUNA KEA STATE PARK
26	26.32	
26	26.49	CULVERT
26	26.74	
26	26.93	
27	27.04	
27	27.11	
27	27.37	
28	28.09	ACCESS RDS TO PCFA TRAINING AREA
28	28.02	
28	28.22	TRACTOR CROSSING
28	28.28	TRACTOR CROSSING
28	28.57	TRACTOR CROSSING
28	28.65	FUEL STORAGE FACILITY ROAD
28	28.69	TRACTOR CROSSING
29	29.03	ROAD TO BRADSHAW AAF
29	29.05	
29	29.43	FORD CROSSING
29	29.99	TRACTOR CROSSING
37		

CONTINUED ON SHEET #4

SCALE: (In Miles) 2" = 1 mile

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

Divided Highway — Undivided

Shoulder: Width and Type — 4' GRAVEL | 3' DIRT/CINDER (22.32) | 6' GRAVEL (25.42) | 5' GRASS/GRAVEL (27.94)

Pavement: Width and Type — 20' AC | 20' BP

Shoulder: Width and Type — 4' GRAVEL | 3' DIRT/CINDER | 4' GRASS/GRAVEL | 5' GRASS/GRAVEL

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes — 2–10'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: — RURAL

Terrain: 1–Flat, 2–Rolling, 3–Mountainous — FLAT | ROLLING (23.69) | FLAT (28.82)

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station — (B71 0200 01529) | B71 0200 02004 | B71 0200 02232 | B71 0200 02805

HPMS Section

AADT (Year 2005) — (1,068) | 932 (20.04) | 1,074 (22.32) | 929 (28.65)

DOD Sections

Census Tracts

Functional Classification — MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 1 mile

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

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

ROAD INVENTORY

HAWAII RTE 200
SADDLE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

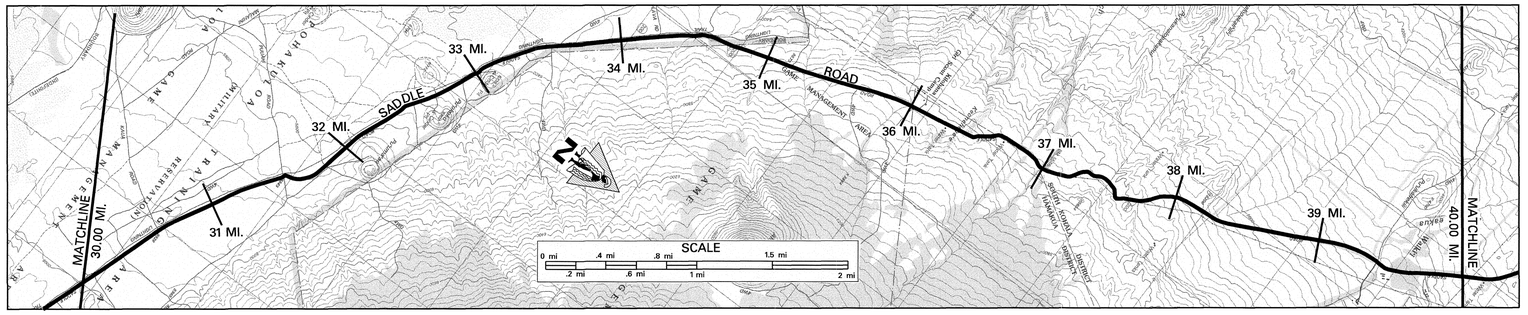
Total Route Length: 45.74 miles

a. Survey Length: 45.74 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

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

CULVERT–CORR. METAL PIPE 1957, HS–20 | 4' | 30.33 | 16'

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

ESTIMATED 100'–150'

Available Right of Way Width (Needs Study)

1000' CLEAR– PASTURELAND 30' FROM EDGE OF PAVEMENT

Right of Way Fence: Type – Right and Left

NONE | 30.74 | 30.05 | ALL WIRE ON WOOD 30' FROM EDGE OF PAVEMENT | 30.27

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

COUNTY

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

Project No., Type of Construction, and Year Constructed

COUNTY

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #3

TRACTOR CROSSING | TRACTOR CROSSING | TRACTOR CROSSING | BEGIN OLD SR 201 POLE #317, POWER | 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 WAKI DEVELOPMENT | ROAD | ROAD | POWER SUB STATION

38 MP | 39 MP | 40 MP | 41 MP | 42 MP | 43 MP | 44 MP | 45 MP | 46 MP | 47 MP

SADDLE ROAD

30.09 MI. | 30.51 MI. | 31.08 MI. | 31.42 MI. | 31.72 MI. | 32.12 MI. | 33.13 MI. | 33.37 MI. | 34.05 MI. | 34.14 MI. | 34.50 MI. | 34.63 MI. | 34.74 MI. | 35.14 MI. | 35.16 MI. | 35.53 MI. | 36.05 MI. | 36.09 MI. | 36.48 MI. | 36.88 MI. | 37.10 MI. | 37.43 MI. | 37.89 MI. | 38.12 MI. | 39.04 MI. | 39.27 MI. | 39.33 MI. | 39.50 MI. | 39.62 MI. | 39.89 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

20' BP | 30.92 | 22' BP | 31.47 | 20' BP | 31.97 | 18' BP | 32.77 | 20' BP | 33.37 | 20' AC

Shoulder: Width and Type

5' GRASS / GRAVEL | 3'–6' GRASS

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

2–10' | 30.92 | 2–11' | 31.47 | 2–10' | 31.97 | 2–9' | 32.77 | 2–10'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL

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

FLAT | 31.62 | ROLLING

Speed: 1–Design, 2–Posted

45 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

871 0200 02805

HPMS Section

AADT (Year 2005)

929

DOD Sections

Census Tracts

Functional Classification

MINOR ARTERIAL

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 1 mile

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

Date Released
FEB. 2006 D.B.
Revised	
7/06	D.B.

ROAD INVENTORY

HAWAII RTE 200
SADDLE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

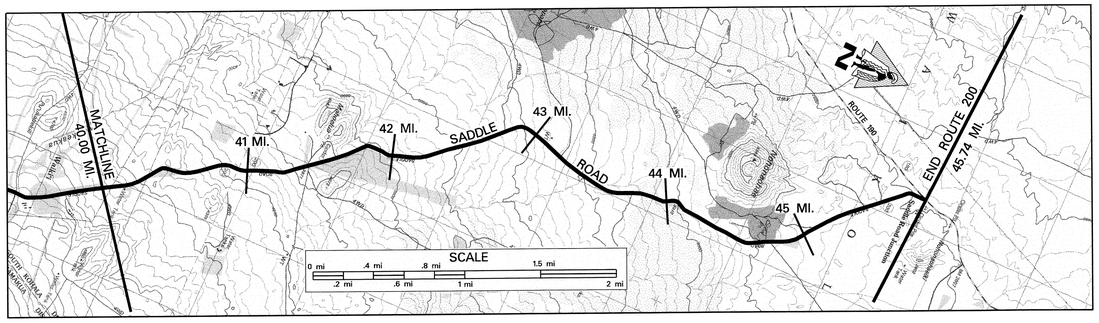
Total Route Length: 45.74 miles

a. Survey Length: 45.74 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

Structure Carrying Road

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

Vertical Clearance

Horizontal Clearance

Structure Over

Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study)

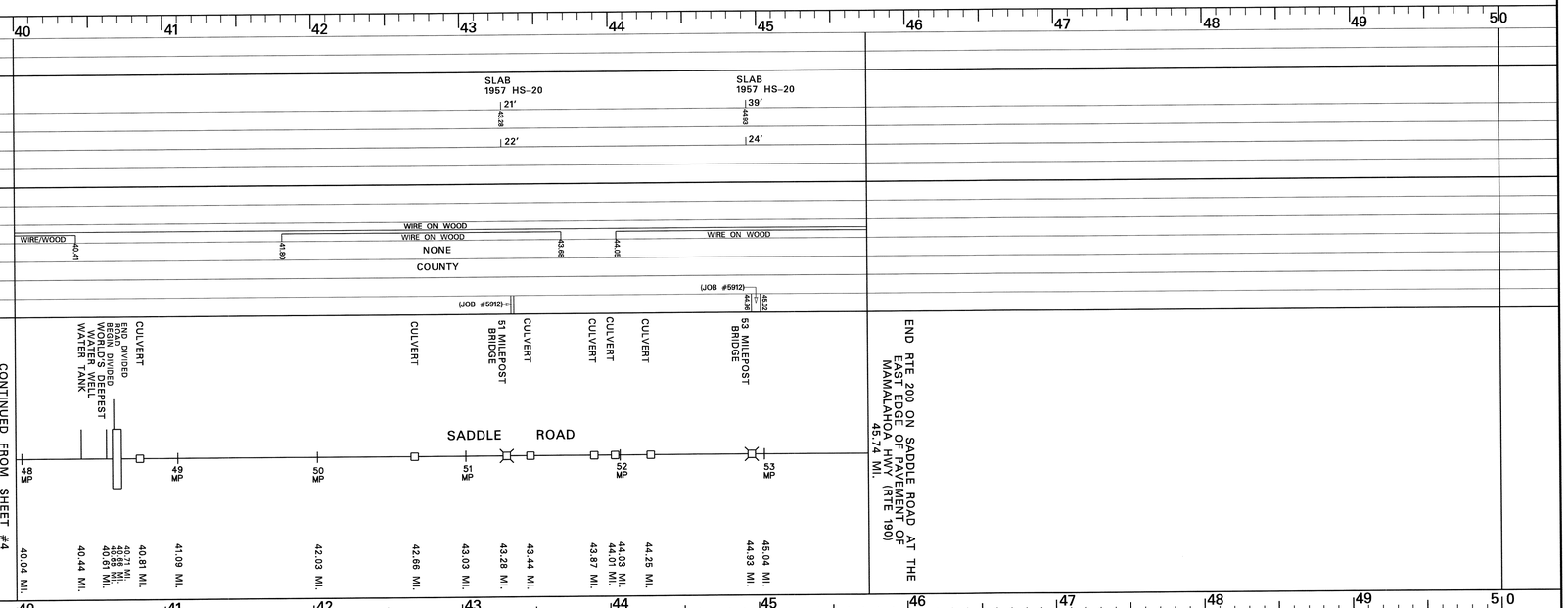
Right of Way Fence: Type – Right and Left

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

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

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed



Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

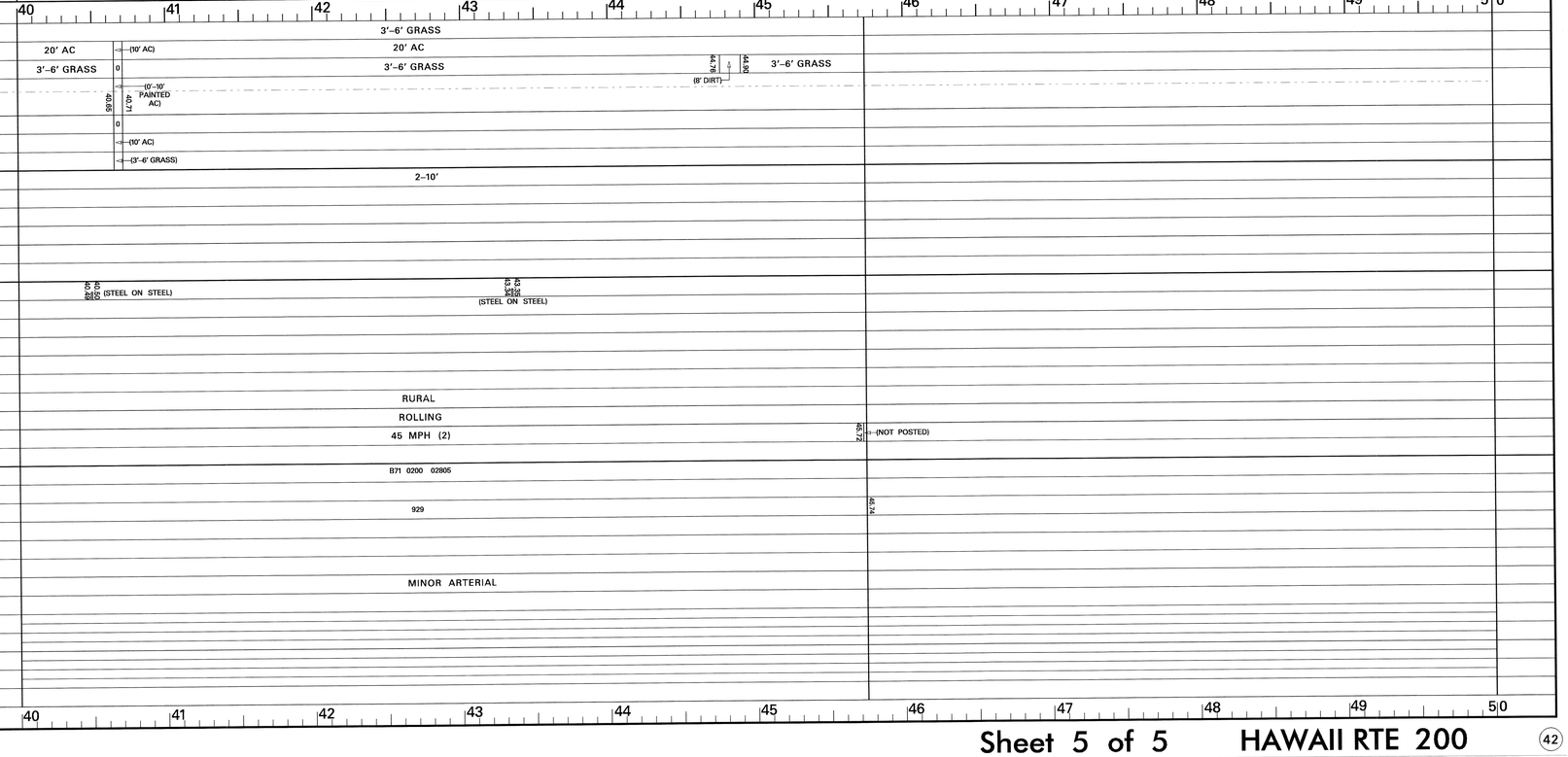
Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type



Number of Traffic Lanes

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Speed: 1–Design, 2–Posted

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

HPMS Section

AADT (Year 2005)

DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

RURAL

ROLLING

45 MPH (2)

(NOT POSTED)

871 0200 02805

929

MINOR ARTERIAL

SCALE: (In Miles) 2" = 1 mile

Date Released
NOV. 05, D.B.
Revised
7/06 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
HIGHWAY PLANNING BRANCH

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

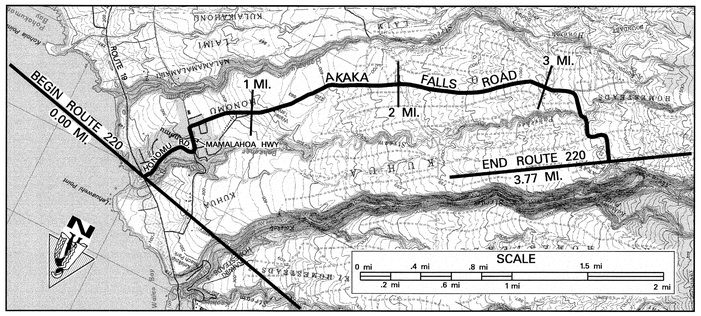
Total Route Length: 3.77 miles

a. Survey Length: 3.77 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Maintenance Control Sections : Length and Description

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

Structure Carrying Road

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

SLAB 1927 H10

Vertical Clearance

27'

Horizontal Clearance

14'

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

40'–50' (0.43) | 80' (0.61) | 40' (1.08) | 80'

Available Right of Way Width (Needs Study)

RESIDENTIAL AREA (0.89) | 1000' CLEAR SUGAR CANE FIELD – 15' FROM EDGE OF PAVEMENT

Right of Way Fence: Type – Right and Left

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

NONE

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

STA 8+70 | STATE

Project No., Type of Construction, and Year Constructed

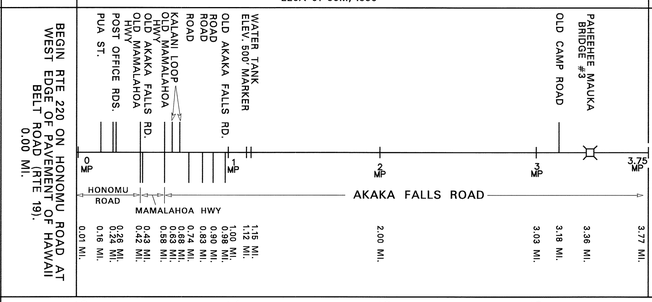
STA 21+87.59 → 220A-01-03M RESURF 2005 (0.88) | 220A-01-02M, (R), 2004

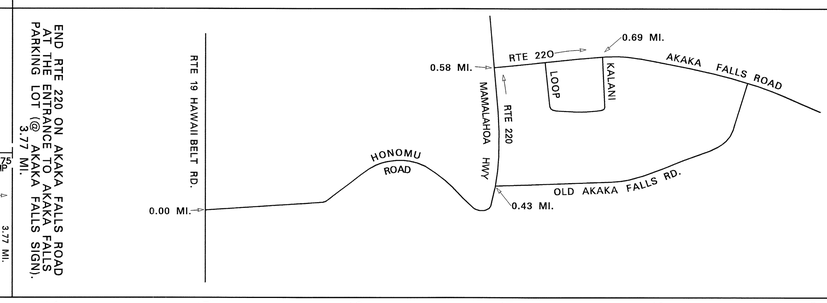
Project No., Type of Construction, and Year Constructed

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 (0.28) | 5' AC (0.42) | 4' AC

Pavement: Width and Type

22' AC (0.43) | 24' AC (0.68) | 24' AC (3.21) | 22' AC

Shoulder: Width and Type

4' AC (0.42) | 4' 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

2–11' (0.42) | 2-11' (0.58) | 2–12' (3.21) | 2–11'

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

8' PARKING LANES (0.49 / 0.58)

(Right Side)

(0.43 / 0.58)

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

Sidewalk: Width and Type (Right and Left)

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

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

(0.30 / 0.36) | (3.61 / 3.77)

Illumination: Type, Location and Number

(0.17 / 0.24 / 0.28 / 0.35) | (3.29 / 3.49 / 3.56 / 3.69)

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL

Terrain: 1–Flat, 2–Rolling, 3–Mountainous ROLLING (1.20 – 3.14)

Speed: 1–Design, 2–Posted 25 MPH (2) (1.08) | (30 MPH (1)) 45 MPH (1) 45 MPH (2) | (35 MPH (1)) 25 MPH (1) 25 MPH (1) (3.25)

Intersection Control Devices: Type, Location and Cycle Timing

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

HPMS Section 0.35 | 2.00 | 3.60

AADT (Year 2005) 1,780 | 1,780 (0.85 – 3.03) | 1,780 (3.77)

DOD Sections

Census Tracts

Functional Classification MAJOR COLLECTOR

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

3.62 | (STP-0100(31), 1994)

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

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

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

SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

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

ROAD INVENTORY

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

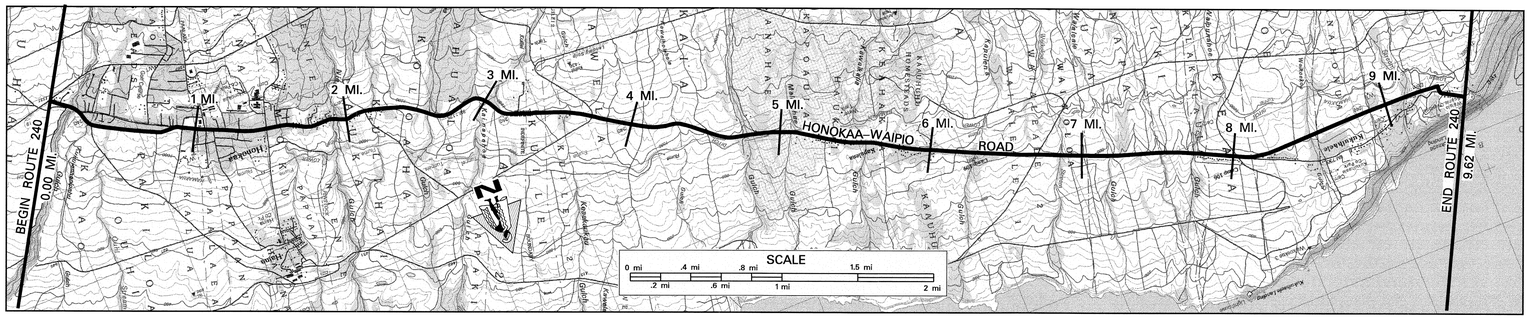
Total Route Length: 9.62 miles

a. Survey Length: 9.62 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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′ (1.98)

CULVERTS 1966, HS 20 — 24′ (4.81); 51′ (5.01)

PRESTRESSED CONCRETE GIRDER 1967, HS 20 — 154′ (5.55); 206′ (6.84)

PRESTRESSED CONCRETE BEAM 1971 HS 20 – 1972 — 115′ (7.23); 67′ (9.17)

PRESTRESSED CONCRETE GIRDER 1979, HS 20–44 — 100′ (9.34)

Vertical Clearance

Horizontal Clearance — 24′ | 28′ | 36′ | 36′ | 36′ | 36′ | 28′ | 36′ | 36′ | 36′

Bridges Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies — 80′–235′ (0.37); 40′–60′ (0.92); 80′–100′ (2.01); 80′–138′ (3.69); 80′–174′ (5.29); 80′–110′ (5.76); 80′–215′ (8.72); 90′ (8.87); 90′–130′ (8.87–9.34); (170′–200′) (9.34–9.48); 90′–100′ (9.34–9.48); 70′ (9.48)

Available Right of Way Width (Needs Study) — (1000′ CLEAR 15′–20′ FROM E.P.) (0.15); SUGAR CANE (L) RESIDENTIAL (R) (0.88); RESIDENTIAL / TOWN (2.27); 1000′ CLEAR – SUGAR CANE 15′–20′ FROM E.P. (3.13); RES. AREA (3.35); 1000′ CLEAR – SUGAR CANE 15′–20′ FROM E.P. (4.93); TREES & BUSHES (5.20); RESIDENTIAL AREA (6.00); 1000′ CLEAR – SUGAR CANE 25′ FROM E.P. (7.71); RESIDENTIAL AREA (8.14); RESIDENTIAL WITH SUGAR CANE ON SIDE (9.21); TREES & BUSHES (9.49); RES. AREA

Right of Way Fence: Type – Right and Left — (0.88) 1 1 2 —(CHAINLINK FENCE)

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

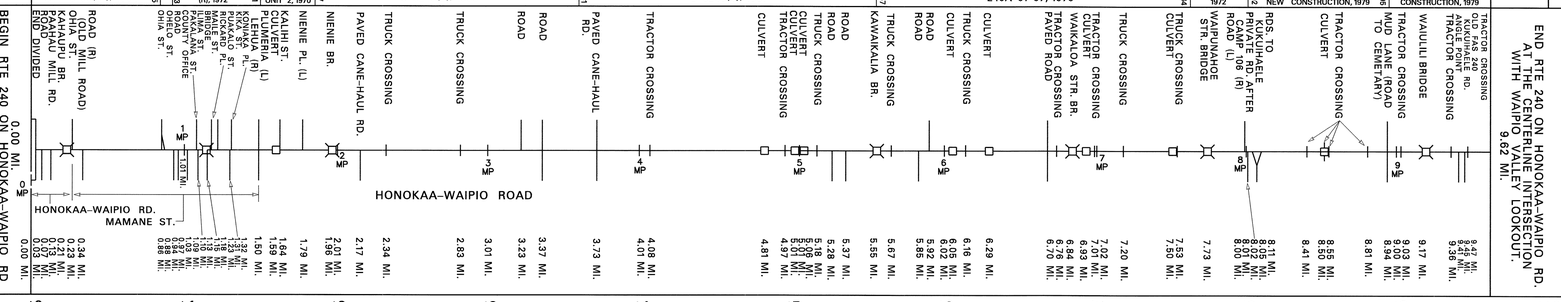
Jurisdiction, Transfer Phase No. and Date (C to S or S to C) — STATE (0.93); COUNTY TO STATE PHASE 2 (8.71); STATE (9.47) —(COUNTY)

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 (0.93); S–0240(3) UNIT 2, 1970 (1.51); S–0240(2), 1965 (3.87); S–0240(4), 1967 (5.67); 240A–01–67, 1970 (7.64); 240A–02–71, 1972 (8.32); 240A–01–71, UNIT 1, NEW CONSTRUCTION, 1979 (8.98); 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

Pavement: Width and Type — 24′ AC (43′ AC)

Shoulder: Width and Type — 3′–6′ AC

Divided Highway

Median: Width and Type — 0′ | (3′–5′ AC) | 0′

Median Barriers:

Shoulder: Width and Type — 6′ AC

Pavement: Width and Type — 24′ AC

Shoulder: Width and Type — 6′ AC

Number of Traffic Lanes — 2–12′

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — 8′ PARKING LANE

(Right Side) — 8′ PARKING LANE

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

Sidewalk: Width and Type (Right and Left) — 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); +1 (0.42); +2 (3.87); +4 (4.08); +2 (4.44); +1 (5.88); −1 (6.05); −2 (6.86); −2 (7.85); −2 (8.00)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL

Terrain: 1–Flat, 2–Rolling, 3–Mountainous — ROLLING (1.68); 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) (3.19); (35 MPH (2)) (3.34); 45 MPH (2) (5.19); 35 MPH (2) (6.05); 45 MPH (2) (7.72); 35 MPH (2) (8.16); 45 MPH (2) (9.17); 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station — B71 0240 00000 (0.50); B71 0240 00086 (1.40); B71 0240 00150 (3.00); B71 0240 00323 (4.30); B71 0240 00501 (5.54); B71 0240 00602 (6.84); B71 0240 00773 (7.74); B71 0240 00811 (9.16); B71 0240 00917 (9.45)

HPMS Section

AADT (Year 2005) — 4,190 (0.86); 5,180 (1.50); 2,620 (3.23); 2,020 (5.01); 2,020 (6.02); 2,020 (7.73); 2,020 (8.11); 2,020 (9.17); 2,020 (9.62)

DOD Sections

Census Tracts

Functional Classification — MAJOR COLLECTOR

National Highway System (NHS)

Previous Projects: Project No., Date and Limits — 240A–01–83M (R), 1983 (0.93); S–238(1), 1952,53 (0.96); 240A–01–72, 1972, (R) (1.51); (S–0240(3) U–2, 1970) (1.86); S–0240(2) 1966 (3.63); (S–0240(3), UNIT 1, 1966) (2.07); S–0240(4) UNIT 2, 1966 (5.67); 240A–01–67, 1970 (7.64); COUNTY

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

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
HIGHWAY PLANNING BRANCH

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

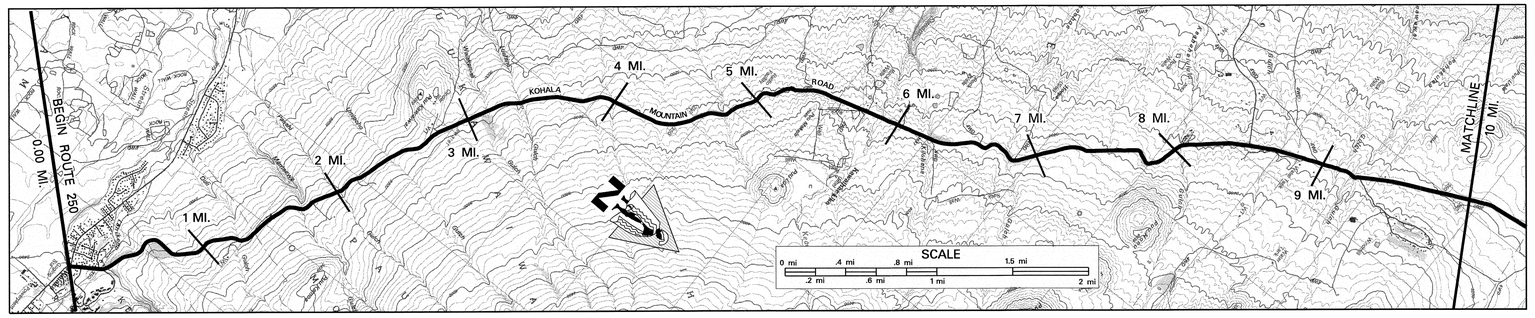
Total Route Length: 19.28 miles

a. Survey Length: 19.28 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Maintenance Control Sections : Length and Description

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

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'

Structure Over Road

Horizontal Clearance

Vertical Clearance

Horizontal Clearance

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

60' (3.85) 80'–120' (4.24) 80'–130' (5.39) 80'–145' (6.98) 80' (7.46) Estimated 80'–140'

Available Right of Way Width (Needs Study)

(Stonewall) 0.13 0.08 — Mountainous Ranch / Pastureland with Trees — Heavy Trees — Mountainous Pasture with Trees (1000' Clear most of the way)

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

W/W 30' E.P. 1.42 1.04 — W/W 20' E.P. 2.52 2.45 — W/W 50' E.P. 2.79 — W/W 25' E.P. — W/W 10' E.P. 5.25 — W/W 20' E.P. 6.03 5.93 6.97

Wood Fence 15' E.P. 0.25 0.21 — Wire on Wooden Posts 10'-60' from Edge of Pavement 3.10 3.39 3.85 4.00

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

None (6.81)

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

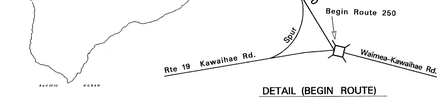
State

Project No., Type of Construction, and Year Constructed

(250A-01-91M (R) 1992) 3.85 3.86

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

Project No., Type of Construction, and Year Constructed



DETAIL (BEGIN ROUTE)

Road Diagram

* MP = Milepost Signage

BEGIN ROUTE 250 ON KOHALA MOUNTAIN ROAD, NORTHWESTERLY FROM JCT. OF KAWAIHAE ROAD. (RTE 19) (SEE DETAIL)

0.00 mi. — Road to Lanikapu Estates — Roads to Hawaii Prep Academy — Spur to Kawaihae Rd. — 0.00 mi. — 0.43 mi. — 0.31 mi. — 0.22 mi. — 0.18 mi. — 0.08 mi. — 0.02 mi.

Culvert — 3000' Elev. Sign — Road to Com Sta. — Lookout — Honokoa Bridge — 3564' Crest — Kawaihae Uka Bridge — Culvert "Entering Kohala" sign — Road to Kohala Ranch — Kohua Ranch Road Culvert — Culvert — 3000' Elev. Sign

KOHALA MOUNTAIN ROAD

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

1.08 mi. — 1.43 mi. — 2.16 mi. — 2.44 mi. — 3.44 mi. — 4.44 mi. — 5.07 mi. — 5.35 mi. — 5.44 mi. — 5.90 mi. — 6.32 mi. — 6.45 mi. — 6.82 mi. — 7.45 mi. — 8.06 mi. — 8.24 mi. — 8.50 mi. — 8.46 mi. — 9.21 mi. — 9.26 mi. — 9.49 mi. — 9.63 mi. — 9.78 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'-4' AC / 6' Grs. — 2' AC (4' AC / 2' Grv.) — 2' AC / 4' Grs. — 2' AC / 8' Grs. — 2' AC / 2' Grs. — 6'–10' AC — 2' AC / 4' Grs. — 2' AC / 6' Grs.

Pavement: Width and Type

20' AC — 18' AC — 24' AC — 18' AC (23' AC) — 25' AC — 20' AC — 18' AC — 20' AC

Shoulder: Width and Type

4' AC / 2' Dirt — 2' AC / 2' Grs. — 6'–8' AC — 2' AC / 2' Grs. — 2' AC / 8' Grv. — 2' AC / 4' Grs. — ¼' AC — 2' AC / 2' Grs.

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

2–10' — 2–9' — 2–12' — 2–9' — (1–11') 1–13' 1–12' — 2–10' — 2–9' — 2–10'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number All Metal Rails on Metal Posts unless otherwise noted. M/C=Metal Rails on Concrete Posts.

M/C M/C — 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
HIGHWAY PLANNING BRANCH

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

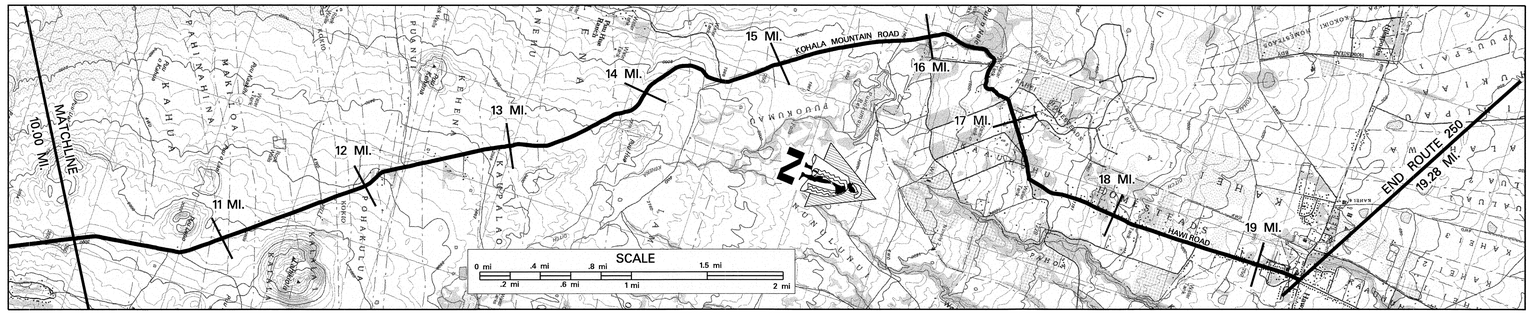
Total Route Length: 19.28 miles

a. Survey Length: 19.28 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Maintenance Control Sections : Length and Description — 250A (19.23 mi.)

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)

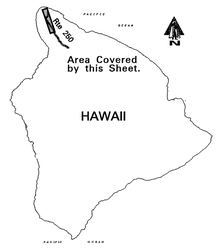
Right of Way Fence: Type – Right and Left (W/W=Wire on Wood, E.P.=from Edge of Pavement)
W/W 20' E.P. | W/W 15'–50' E.P. | W/W 15' E.P. | W/W 15' E.P. | W/W 12' E.P. | W/W 20' E.P. | W/W 10' E.P. | W/W 12' E.P.

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

Project No., Type of Construction, and Year Constructed — 250A–01–92M,(R) 1993



Road Diagram

* MP=Milepost Signage

CONTINUED FROM SHEET #1

KOHALA MOUNTAIN ROAD — HAWI ROAD

Culvert 10.50 mi. | Culvert Ranch Road 11.45 mi. | Culvert 11.67 mi. | 2500' Elev. Sign 11.80 mi. | Driveway 12.48 mi. | Culvert 12.65 mi. | Paved Road 12.82 mi. | Rd. to FAA Station 13.45 mi. | Paved Road 14.45 mi. | Paved Road 14.59 mi. | Kam. Preschool Ent. (L) 15.46 mi. | Bike Road (R) 16.17 mi. | Pu'u Mamo Drive 16.52 mi. | Kainoa Road 16.69 mi. | Kynnersly Road 16.84 mi. | Kaauhuhu Road 17.09 mi. | Paved Road 17.38 mi. | Future Development 17.45 mi. | Paved Road 18.46 mi. | Paved Road 18.60 mi. | Paved Road (L) 18.87 mi. | END ROUTE 250 ON HAWI ROAD AT THE SOUTH EDGE OF PAVEMENT OF AKONI PUE HWY. (RTE 270) 19.10 mi. | 19.28 mi.

STA 218+80 | STA 199+50 | STA 121+50 | 19.28 MP

SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Divided Highway — Undivided
- Shoulder: Width and Type — 2' AC/ 0' Grs. | 1' AC / 4' Grs. | 1' AC / 2' Grs. | 2' AC / 2' Grs. | 2' AC/ 2' Grs. | 1' AC / 2' Grs. | 2' AC / 4' Grs. | 2' AC / 6' Grs. | 0 | 0' 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

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station — B71 0250 00177 | B71 0250 01709 | B71 0250 01857

HPMS Section

AADT (Year 2005) — 2,180 | 2,940 | 4,030

DOD Sections

Census Tracts

Functional Classification — Major Collector

National Highway System (NHS)

Previous Projects: Project No., Date and Limits — 250–01–86M, (Resurface) 1986 | 250A–01–86M, 1986 (R) | 250A–01–74, 1974 | (250A–01–73 1973) | (250A–03–72 (R) 1972) | 250A–01–89M (R) 1989 | S239(1), 1956 | S–239(1), 1954 | 250A–01–72, 1972 | County

SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

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
HIGHWAY PLANNING BRANCH

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

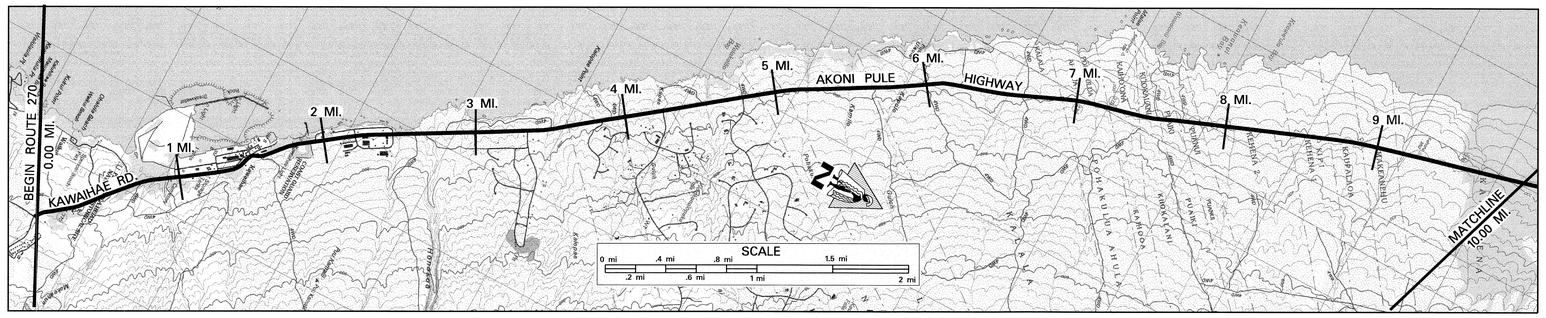
Total Route Length: 27.02 miles

a. Survey Length: 27.02 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

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

Horizontal Clearance

28′ | 40′ | 40′ | 28′

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

60′ – 80′ | 60′ | 80′ – 180′

Available Right of Way Width (Needs Study)

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

Right of Way Fence: Type – Right and Left

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

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

NONE

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

STATE | (COUNTY TO STATE, PHASE 2)

Project No., Type of Construction, and Year Constructed

(NH-019-1(29), GUARDRAIL & SHLDR. IMPR., 2006) | (-(FLH-0270(17), INTER. IMP., 2006) | 270A-01-99M, RESURF., 2001 (270A-01-99M, RESURF., 2001) | STP-0270(13), 1998, (SHLDR. IMPRV.) | 270A-01-83M, 1983, (R)

Project No., Type of Construction, and Year Constructed

19CD-01-97M, RESURF., 1999) | 270A-01-96M, (R), 1997

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 0.10 MI. | BEGIN DIVIDED ROAD 0.19 MI. | END DIVIDED ROAD 0.27 MI. | PUUKOHOLA HEIAU NHS 0.43 MI. | END DIVIDED 0.53 MI. | P.C. SPENCER PARK RD. 0.69 MI. | KAUHOLE BRIDGE 0.74 MI. | MAKAHUNA BRIDGE 0.85 MI. | MAKEAHUA BRIDGE 0.91 MI. | ROAD TO HARBOR 1.10 MI. | HARBOR ROAD 1.25 MI. | ROAD TO KAWAIHAE 1.36 MI. | KAWAIHAE BRIDGE 1.42 MI. | ROAD TO HARBOR 1.50 MI. | CULVERT 1.58 MI. | KAEWA PL. 1.72 MI. | KALAECLO ST. (L) 1.84 MI. | MALUOKALANI ST. (R) 2.08 MI. | CULVERT 2.20 MI. | HONOKOA ST. (L) 2.30 MI. | MALUOKALANI ST. (R) 2.44 MI. | HONOKOA BRIDGE 2.64 MI. | BEGIN DIVIDED 3.13 MI. | KALO O' LO'O DR. 3.10 MI. | END DIVIDED 3.34 MI. | BEGIN DIVIDED 3.66 MI. | "DISTRICT OF KOHALA" SIGN 3.67 MI. | END DIVIDED 3.84 MI. | HOKULELE DR. 4.08 MI. | TO ALA KAHUA 4.13 MI. | BEGIN DIVIDED 4.25 MI. | ALA KAHUA END DIVIDED 4.49 MI. | ROAD TO KOHALA RANCH 4.64 MI. | BEGIN DIVIDED 4.77 MI. | END DIVIDED 4.99 MI. | CULVERT 5.10 MI. | CULVERT 5.26 MI. | CULVERT 6.10 Mi. | CULVERT 6.23 Mi. | CULVERT 6.55 Mi. | CULVERT 6.68 Mi. | CULVERT 6.94 Mi. | CULVERT 7.10 Mi. | CULVERT 7.61 Mi. | CULVERT 8.04 Mi. | CULVERT 8.10 Mi. | CULVERT 9.10 Mi. | KAIHOLENA PLACE 9.19 Mi. | 9.73 MI.

KAWAIHAE ROAD | AKONI PULE HWY

CONTINUED ON SHEET #2

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

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

Pavement: Width and Type — (11′ AC) 2½″ AC, 1½″ AC, 2½″ AC, 1½″ AC | 22′ AC | 22′ BP | 24′ AC | 14′ AC | (24′ AC) 12′ AC (6′ SEAL COAT) | 12′ AC | 24′ AC, 1½″ AC | 12′ AC | 24′ AC

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

Median: Width and Type — (10′ PAINTED AC) | 0′–15′ PAINTED AC

Median Barriers: — 12′ PAINT | 10′ PAINT | 12′ PAINT

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

Pavement: Width and Type — (11′ AC) 1½″ AC, ¼″ AC | 14′ AC | 12′ AC | 12′ AC | 12′ AC

Shoulder: Width and Type — (6′ AC) ¼″ AC | 10′ AC | 6′ SEAL COAT | 6′ SEAL COAT | 4″ AC

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

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — 11′ LNS. | 10′ T.L. | 12′ T.Ls.

(Right Side) — 1–10′ (L) TL | 12′ T.Ls.

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

Sidewalk: Width and Type (Right and Left)

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

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

Illumination: Type, Location and Number

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 | +2 | +4 | −1 | −2

HOV Lanes/Contra–Flow Lanes

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: — RURAL

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station — B71 0270 00000 | B71 0270 00136 | B71 0270 00244

HPMS Section

AADT (Year 2005) — 7,820 | 5,570 | 5,570

DOD Sections

Census Tracts

Functional Classification — PRINCIPAL ARTERIAL | MINOR ARTERIAL

National Highway System (NHS) — NHS | NONE

Previous Projects: Project No., Date and Limits

(270A-01-99M, RESURF., 2001) | STP-0270(13), SHLDR. IMPRV. 1998 | 27A-01-88M, 1988, (R) | WDRC-12(1), 1947 | FAP 11 B, 1933 | S-0260(1), 1959 | (HHS-027-1(1), SAFTY IMPRV.) | FAP 110, 1937 | WDRC 12(1), 1947 | 270A-01-96M, 1997, (R) | 270A-01-83M, RESURF., 1983 | 270A-01-79, SHLDR, STAB, 1980 | A270-01-62, 1967, 68

STA. 0+00 | STA. 22+00 | STA. 603+54.46

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
HIGHWAY PLANNING BRANCH

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

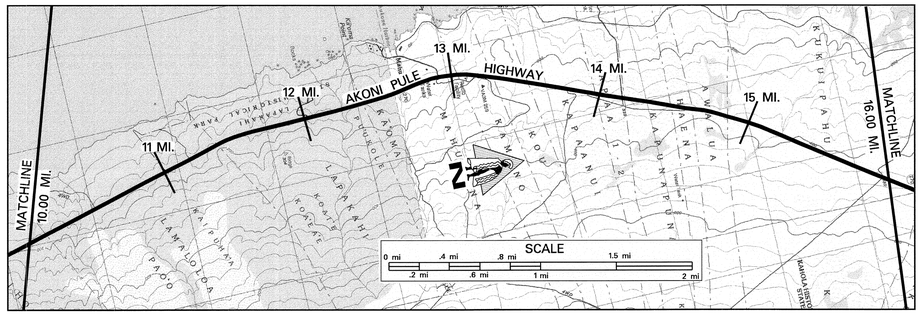
Total Route Length: 27.02 miles

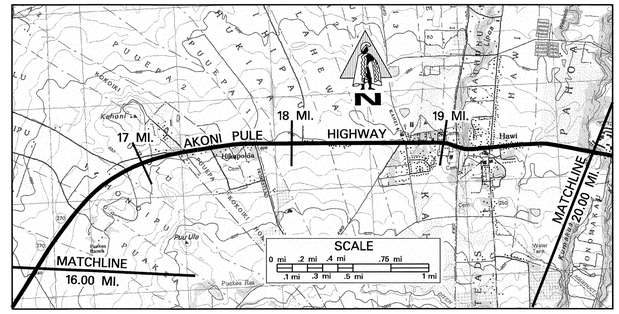
a. **Survey Length:** 27.02 miles

b. **Proposed Length:** 0.00 miles

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

*





SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

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

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: 80'–180' | 60'–200'

Available Right of Way (Needs Study): CLEAR 1000', GRASS AND FEW TREES, 50' FROM EDGE OF PAVEMENT

Right of Way Fence: Type – Right and Left: WIRE ON WOOD 50' FROM EDGE OF PAVEMENT | WIRE ON WOOD 50' FROM EDGE OF PAVEMENT

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

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

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

Project No., Type of Construction, and Year Constructed

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #1

CULVERT 10.01 MI. | CULVERT 10.15 MI. | CULVERT 10.37 MI. | CULVERT 10.65 MI. | CULVERT 10.92 MI. | CONCRETE DRIVEWAY 11.11 MI. | LAPAKAHI HISTORIC STATE PARK CULVERT 11.90 MI. | ACCESS ROAD TO MAHUKONA WHARF 12.04 MI. | CULVERT 12.10 MI. | TWIN CULVERT 12.94 MI. | PAVED ROAD 13.10 MI. | KAPAA ROAD (L&R) 13.45 MI. | 13.54 MI. | 13.80 MI. | (R) 14.11 MI. | (L) 14.15 MI. | 14.16 MI.

AKONI PULE HIGHWAY

15.11 MI. | PAVED ROAD 15.95 MI. | T.C. PUAKEA BAY DR. (DRIVEWAY) (L) 16.11 MI. | 16.48 MI. | 16.49 MI. | COAST GUARD STATION ROAD 16.90 MI. | ROAD KOKOKI RD. 17.11 MI. | 17.32 MI. | 17.47 MI. | LINCOLN ROAD 17.78 MI. | UPOLU AIRPORT RD. 18.10 MI. | 18.12 MI. | ROAD HUALUA ROAD 18.73 MI. | 18.77 MI. | 18.83 MI. | ROAD 18.98 MI. | T.C. ROAD (L) & 21 MP 19.12 MI. | HAWI RD. (R) & (L) 19.15 MI. | 19.32 MI. | WATER SUPPLY RD. & SUB STATION 19.58 MI. | 19.65 MI.

CONTINUED ON SHEET #3

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided
- Shoulder: Width and Type: 6' SEAL COAT | 10' GRAVEL | 10' GRASS | 10' GRASS | 0 | 8' BP
- Pavement: Width and Type: 24' AC | 24' AC
- Shoulder: Width and Type: 6' SEAL COAT | 10' GRAVEL | 10' GRASS | 8' GRASS | 0 | 8' GRASS

Divided Highway – Median
- Median: Width and Type: (6' GRASS) | (3' GRASS)
- Median Barriers:
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type

Number of Traffic Lanes: 2–12' | (2–14') 2–13' | 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 8' PARK

(Right Side): 8' PARK

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

Sidewalk: Width and Type (Right and Left): 4' | 6' BP S.W.

Curb and/or Gutter: Type (Right and Left): METAL RAILS ON CONC. POSTS | (CURB (L & R))

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

Illumination: Type, Location and Number: 1 M.V. | M.V. | M.V.

Curves: Degree of Curvature (Right and Left)

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

HOV Lanes/Contra–Flow Lanes

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: B71 0270 00244 | B71 0270 01294 | B71 0270 01648 | B71 0270 01810 | B71 0270 01933

HPMS Section

AADT (Year 2005): 5,570 | 5,230 | 5,230 | 5,460 | 5,890

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL | MAJOR COLLECTOR

National Highway System (NHS): NONE

Previous Projects: Project No., Date and Limits: 270A–01–79 SHLDR, STAB, 1980; A–270–01–62 1967, 68 | S–0270(7) 1972, 73 | S–0270(3), 1972 | S–203(2), 1951

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
HIGHWAY PLANNING BRANCH

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

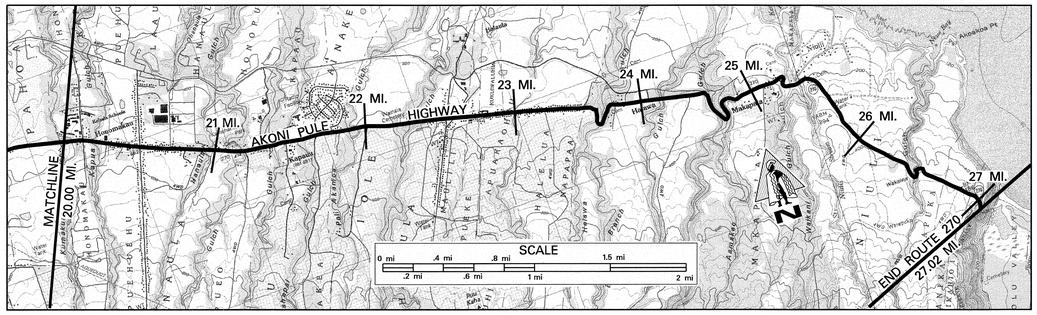
Total Route Length: 27.02 miles

a. Survey Length: 27.02 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

Structure Carrying Road

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

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

Vertical Clearance

Horizontal Clearance

26′ | 160′ | 80′ | 22′ || 33′

36′ | 18′ | 18′ | 18′ || 18′

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

40′–100′

Available Right of Way Width (Needs Study)

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

RESIDENTIAL DISTRICT

Right of Way Fence: Type – Right and Left

WIRE ON WOOD 50′ FROM E.P.

WIRE ON WOOD 50′ FROM E.P.

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

NONE

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

STATE

Project No., Type of Construction, and Year Constructed

RS–STP–0270(11), RESURFACE, 1996

Project No., Type of Construction, and Year Constructed

270B–01–93M, RESURFACE, 1994

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #2

KOHALA HIGH SCHOOL RD. (23 MP) · PUEHUEHU PL. ROAD · KYNNERSLY RD. · HANAULA AVE. ROAD (HANAPATE ROAD) · ELEV. 500′ SIGN KEKOA′ UHANE RD. · PAVED ROAD KAMUELA ARMORY GUARD · KOHALA HOSPITAL 2ND HOSPITAL ENT. · NONAME PLACE · END DIVIDED BEGIN DIVIDED · PAVED ROAD (24 MP) · ROADS (L&R) MAULIILI RD. (R) · CULVERT (25 MP) · CULVERT AKANA PLACE · WALAOHIA BRIDGE PRATT ROAD (28 MP) · AAMAKOA BRIDGE · CAMP KOAPAKA CULVERT (27 MP) · AKONI PULE HWY KOHALA BRIDGE · AKONI PULE HWY WAIMEA BRIDGE (28 MP) · BOX CULVERT · 28.93 MP

AKONI PULE HIGHWAY

20.15 MI. · 20.29 MI. · 20.32 MI. · 20.53 MI. · 20.71 MI. · 20.81 MI. · 20.91 MI. · 20.99 MI. · 21.10 MI. · 21.22 MI. · 21.30 MI. · 21.38 MI. · 21.47 MI. · 21.59 MI. · 21.60 MI. · 21.70 MI. · 21.79 MI. · 22.04 MI. · 22.10 MI. · 22.57 MI. · 22.82 MI. · 23.02 MI. · 23.10 MI. · 23.67 MI. · 23.87 MI. · 23.93 MI. · 24.06 MI. · 24.10 MI. · 24.15 MI. · 24.69 MI. · 25.04 MI. · 25.11 MI. · 25.36 MI. · 25.41 MI. · 25.45 MI. · 26.13 MI. · 26.50 MI. · 27.04 MI.

CONTINUED AT THE ENTRANCE TO KOU PULOLU VALLEY

END ROUTE 270 ON AKONI PULE HWY. 27.02 MI.

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type

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

Pavement: Width and Type

24′ AC | 12′ AC | 24′ AC | 22′ AC | 20′ AC

Shoulder: Width and Type

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

Divided Highway — Median

Median: Width and Type

11′ PAINT

Median Barriers:

Divided Highway — Undivided

Shoulder: Width and Type

0

Pavement: Width and Type

12′ AC

Shoulder: Width and Type

6′ GRS

Number of Traffic Lanes

2–12′ | 3–12′ | 2–12′ | 2–11′ | 2–10′

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

(1–12′ PARK) | 11′ TLs | 12′ PARK

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

6′ BP SIDEWALK | 6′ BP SIDEWALK

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

CURB | CURB | CURB

Protective Devices: Type, Location and Number

M/M | WOOD ON CONCRETE

Illumination: Type, Location and Number

MV | MV

Curves: Degree of Curvature (Right and Left)

Grades: % Grade, Positive or Negative

+1 | +3 | –2

HOV Lanes/Contra–Flow Lanes

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL

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

ROLLING

Speed: 1–Design, 2–Posted

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

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

HPMS Section

20.03 | 21.55 | 22.27 | 25.13 | 26.13

AADT (Year 2005)

5,890 | 5,650 | 4,360 | 2,540 | 590

DOD Sections

Census Tracts

Functional Classification

MAJOR COLLECTOR

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

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

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

SCALE: (In Miles) 2" = 1 mile

Date Released
SEPT. 05, D.B.

Revised	
7/06	*D.B.*

ROAD INVENTORY
HAWAII RTE 1370
KALANIANAOLE STREET

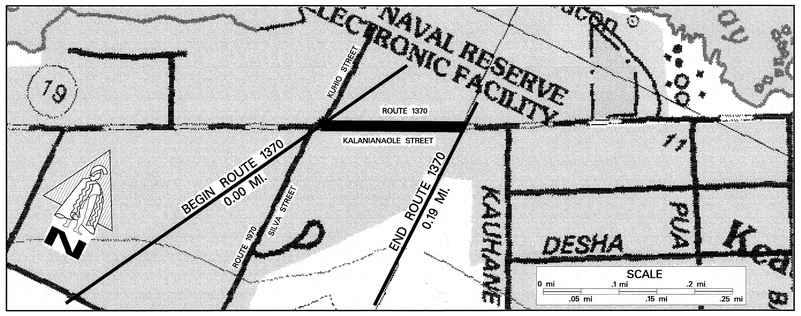
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

Total Route Length: 0.19 miles
a. Survey Length: 0.19 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 20″ = 1 mile

Maintenance Control Sections : Length and Description

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

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

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

Available Right of Way Width (Needs Study)

Right of Way Fence: Type – Right and Left
0.03 — 0.04 (Chainlink 10' from E.P.) / Chainlink 50' from E.P.

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

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

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

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

Spur — Begin Divided

KALANIANAOLE STREET

0.01 mi. — 0.11 mi.

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

SCALE: (In Miles) 20″ = 1 mile

Divided Highway

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

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

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

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

(Right Side) — 0.13 — 9′ T.L.

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

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

Curb and/or Gutter: Type (Right and Left) — 0.03 AC Curb | 0.11 Conc. Curb | Conc. Curb

Protective Devices: Type, Location and Number — Plastic Barrier 0.05 | 0.06; Plastic Barrier 0.15 | 0.16

Illumination: Type, Location and Number — 1 Luminaire 0.15

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Speed: 1–Design, 2–Posted — 35 MPH (2) Not Posted | 0.10 — 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station — 871 1370 00000

HPMS Section — 0.09

AADT (Year 2005) — 0.00 — 11,669 — 0.19

DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS) — NHS

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 20″ = 1 mile

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

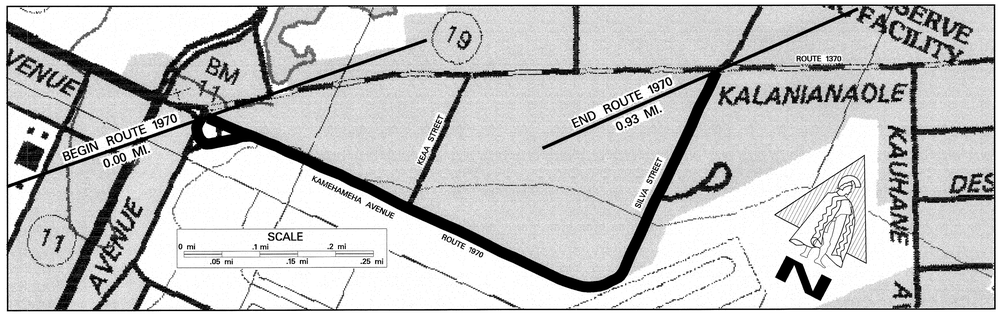
ROAD INVENTORY
HAWAII RTE 1970
KAMEHAMEHA AVE., SILVA ST.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Route Length: 0.93 miles
a. Survey Length: 0.93 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 20″ = 1 mile

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
- 0.0 – 0.89: Chain Link Fence, 10'–20' 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)

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed

Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

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

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

End Divided | Paved Road | Keaa Street | Paved Roads | Paved Road

KAMEHAMEHA AVENUE — SILVA STREET

0.10 mi. | 0.23 mi. | 0.33 mi. | 0.50 mi. | 0.58 mi. | 0.75 mi.

SCALE: (In Miles) 20″ = 1 mile

Divided Highway

Undivided
- Shoulder: Width and Type: 2′ AC | 0.08 | 2′ AC / 6′ Grass | 0.13 | 10′ AC | 0.20 | 2′ AC / 10′ Grass | 0.78 | 10′ AC
- Pavement: Width and Type: 10′ AC | 20′ AC
- Shoulder: Width and Type: 0 | 10′ Grass | 0.88 | 3′ AC | 0.89 | 10′ AC

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

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

Number of Traffic Lanes: 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: 0.37 | Metal Rails on Metal Posts | 0.44

Illumination: Type, Location and Number: 0.66 | 4 Luminairs

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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 Station: B71 1970 00000

HPMS Section

AADT

DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 20″ = 1 mile

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

ROAD INVENTORY

HAWAII RTE 2000

PUAINAKO ST., PUAINAKO ST. EXTENSION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Route Length: 7.12 miles

a. Survey Length: 2.18 miles

b. Proposed Length: 4.94 miles

c. Other Length: * 0.00 miles

*

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Maintenance Control Sections : Length and Description

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

Structure Carrying Road

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

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

Varies 50'–80' | 120'

Available Right of Way Width (Needs Study)

Rock Walls & Chain Link | Residential Area (2.23)

Right of Way Fence: Type – Right and Left

0.29 Chain Link | 0.35 Chain Link | 0.47 Chain Link | 0.53 Chain Link | 0.70 Chain Link | 0.80 | 0.88 Rock Walls & Chain Link 0.97 | 1.39 Rock Walls & Chain Link 1.77 | 2.04 Various 2.07

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

None | Partial

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

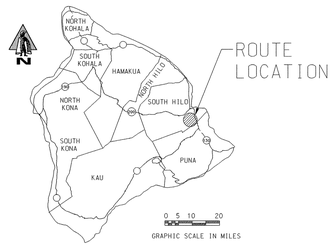
State | County (2.23)

Project No., Type of Construction, and Year Constructed

(2000E–01–00, Imprvts, 2004) 0.45 | 0.62

Project No., Type of Construction, and Year Constructed

(200E–01–7M, (R) 1977) 0.37 | 0.72 200E–01–90M (R), 1991 2.18 | 2.23 County Project STP–2000(4), New Construction 2004



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

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

Ohuohu St. 0.25 mi. | Shopping Center (L) | Shopping Center (R) | Kilauea Ave & End Divided Hwy 0.69 mi. | Kinoole St. | Malkai St. | Pamala Pl. | Santos Ln. (L) | Lokahi St. (R) | Road | Kahauiani St. | Nohea St. | Road | Roads to Inter. Sch. | Nanikeka Street | Roads to Inter. Sch. | Anela St. | Kanoelani St. | Iwelani St. (L) | Kawili St. (R) | Pohakulani St. | Kuhilani St. | Wainohia St. | Kapualani St. | Melani St. | Komohana St. | Puainako St. Extension (Barricaded)

PUAINAKO ST. — KOMOHANA ST. — PUAINAKO STREET EXTENSION — Road — Road — Road

MP

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

0.28 mi. | 0.38 mi. | 0.45 mi. | 0.49 mi. | 0.56 mi. | 0.63 mi. | 0.69 mi. | 0.72 mi. | 0.83 mi. | 0.93 mi. | 1.00 mi. | 1.03 mi. | 1.10 mi. | 1.15 mi. | 1.16 mi. | 1.21 mi. | 1.24 mi. | 1.29 mi. | 1.31 mi. | 1.36 mi. | 1.40 mi. | 1.50 mi. | 1.55 mi. | 1.58 mi. | 1.68 mi. | 1.75 mi. | 1.85 mi. | 1.96 mi. | 2.05 mi. | 2.18 mi. | 2.23 mi. | 3.12 mi. | 4.33 mi. | 4.60 mi.

CONTINUED ON SHEET 2. 5.00 mi.

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Divided Highway — Undivided

Shoulder: Width and Type

0 | 6'–8' AC (11' AC) | (12' AC) | 2'–4' AC | 9' AC

Pavement: Width and Type

28' AC 0.18 | 12' AC | 36' AC | 50' | 24' AC | 0.82 | 26' AC | 2.23 | 24' AC

Shoulder: Width and Type

0 | 4'–8' AC | 8' AC | 0 | 0 | 9' AC

Divided Highway

Median: Width and Type

42' Raised Grass | 12' Painted AC (5' Painted AC) 0.45 | 0.49 | 0.58 | 0.62 | 0.68 (26' Raised Grass) (12'–26' Painted AC)

Median Barriers:

Shoulder: Width and Type

0 | 0 (26' AC)

Pavement: Width and Type

28' AC 0.18 | 12' AC | 26' AC | 0.72

Shoulder: Width and Type

0 | (8' AC) (1–11') | 8' AC

Number of Traffic Lanes

4–14' 0.18 | 2–12' | 1–12' 2–12' | 2–13' | 0.69 | 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 | 0.38 | 0.42 | 0.45 | 0.49 | 0.56 | 0.68 | 0.72 | 0.83 | 0.98 | 1.05 | 1.21 | 1.24 | 1.29 | 1.31 | 1.36 | 1.40 | 1.50 | 1.55 | 1.58

(Right Side)

0.28 | 0.49 | 0.56 | 0.70 | 0.72

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

Sidewalk: Width and Type (Right and Left)

Grs. S.W. | 4' AC S.W. 0.56 | 0.71 | 3.5' AC S.W.

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

10' Conc. S.W. Conc. Curb | 6' Conc. S.W. Conc. Curb | 2.18

Conc. Curb | Bituminous Curb

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

7 Sodium Vapor 0.27 | 0.91 | 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: Urban

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

Speed: 1–Design, 2–Posted

30 MPH (2) 0.26 | 35 MPH (2) 30 MPH (2) 0.95 | 35 MPH (2) 2.30 | 45 MPH (1)

Intersection Control Devices: Type, Location and Cycle Timing

0.48 4 Phase | 1.58 2 Phase

Traffic Station

B71 2000 00000 | B71 2000 00028 | B71 2000 00056 00057 | B71 2000 00072 | B71 2000 00100 | B71 2000 00218

HPMS Section

0.20 | 0.48 | 0.68 | 0.92 | 1.48 | 3.22

AADT (Year 2005)

8,260 | 0.28 8,260 | 0.95 18,210 | 0.72 10,100 | 1.00 8,160 | 2.18 100

DOD Sections

Census Tracts

Functional Classification Major Collector

National Highway System (NHS) None

Previous Projects: Project No., Date and Limits

200E–01–77M, (R) 1977

(S–18(1) 1948, 49) | 0.83 G–3221–01–62, 1962 1.49

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Date Released
Dec. 2003, DB

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

ROAD INVENTORY

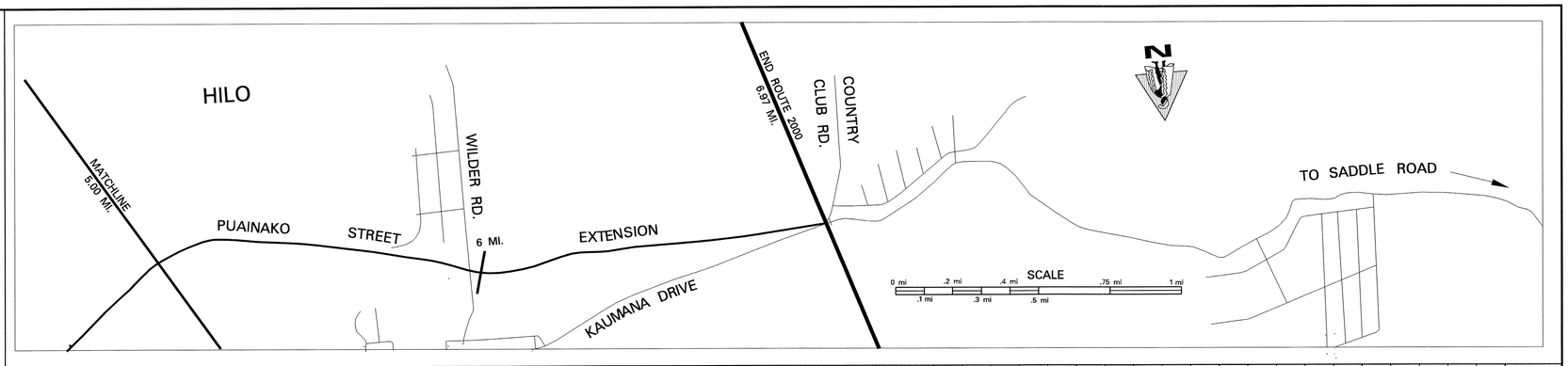
HAWAII RTE 2000
PUAINAKO STREET EXTENSION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY 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

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

Structure Carrying Road — Vertical Clearance

Structure Carrying Road — Horizontal Clearance

Structure Over Road — Vertical Clearance

Structure Over Road — Horizontal Clearance

Right of Way Width (min.–max.) if varies: 120'

Available Right of Way Width (Needs Study)

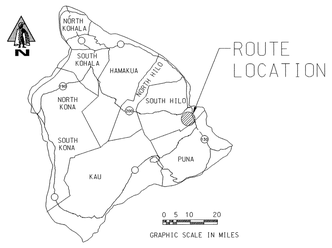
Right of Way Fence: Type – Right and Left

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

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

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed: County Project STP–2000(4), New Construction, 2004



Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET 1.

5.00 mi. — Road — 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

Divided Highway — Undivided — Shoulder: Width and Type: 9' AC

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

Undivided — Shoulder: Width and Type: 9' AC | 0

Divided — Median: Width and Type: 6.80 | 12' Painted AC

Median Barriers:

Shoulder: Width and Type: 0

Pavement: Width and Type: 12' AC

Shoulder: Width and Type: 9' AC

Number of Traffic Lanes: 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 6.80 | 8.05 | 5.88 | 5.91

(Right Side): 6.80 | 7.80 | (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: Urban

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

Speed: 1–Design, 2–Posted: 45 MPH (1) | 5.89 | 35 MPH (1)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: B71 2000 00218

HPMS Section

AADT (Year 2005): 100 | 7.12

DOD Sections

Census Tracts

Functional Classification: Major Collector

National Highway System (NHS): None

Previous Projects: Project No., Date and Limits

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.