STATE ROUTE SYSTEM

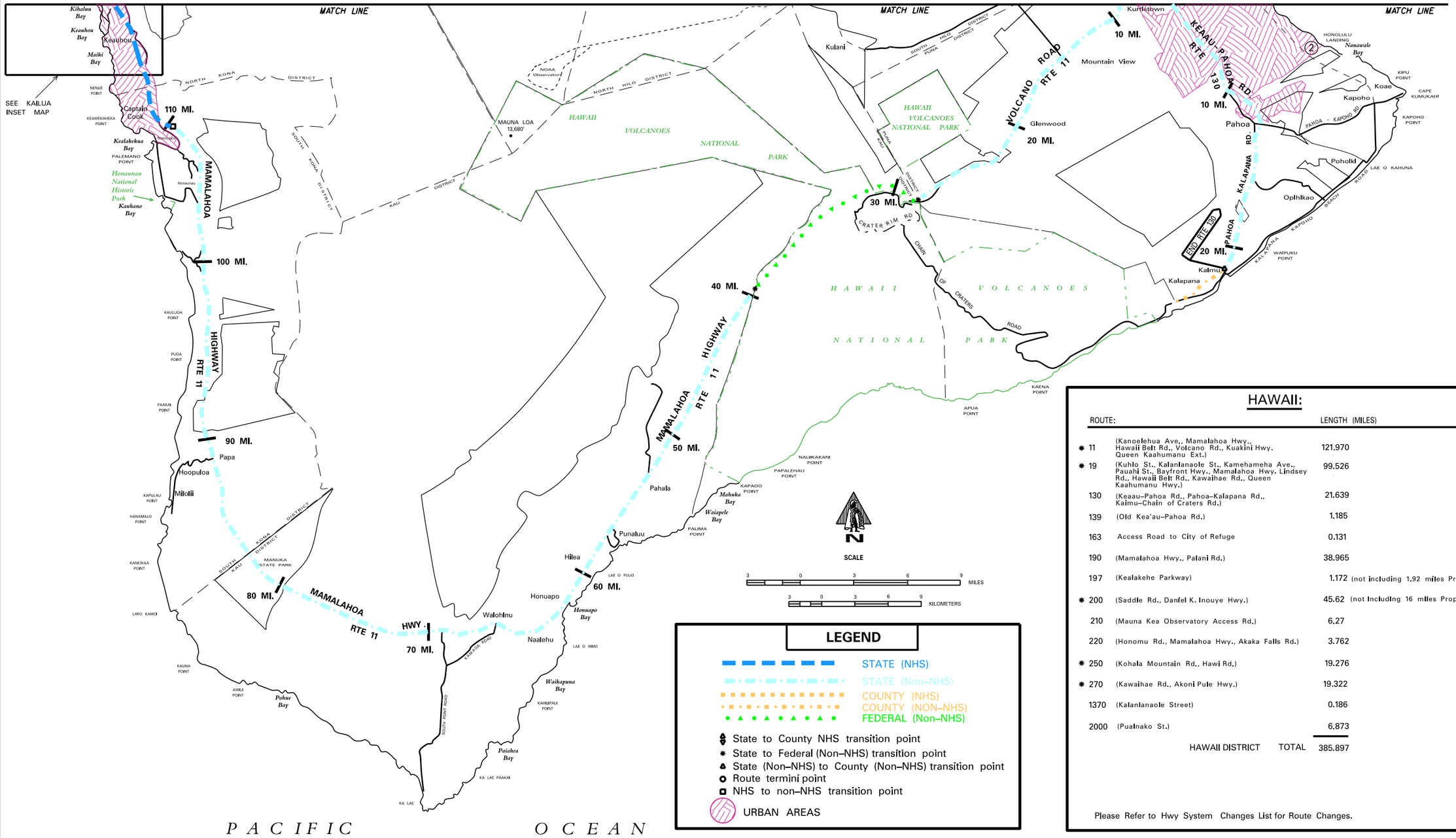
COUNTY OF HAWAII

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 2021



LEGEND

- STATE (NHS)
- STATE (Non–NHS)
- COUNTY (NHS)
- COUNTY (NON–NHS)
- FEDERAL (Non–NHS)

- State to County NHS transition point
- State to Federal (Non–NHS) transition point
- State (Non–NHS) to County (Non–NHS) transition point
- Route termini point
- NHS to non–NHS transition point
- URBAN AREAS

HAWAII:

	ROUTE:		LENGTH (MILES)
*	11	(Kanoelehua Ave., Mamalahoa Hwy., Hawaii Belt Rd., Volcano Rd., Kuakini Hwy. Queen Kaahumanu Ext.)	121.970
*	19	(Kuhio St., Kalanianaole St., Kamehameha Ave., Pauahi St., Bayfront Hwy., Mamalahoa Hwy. Lindsey Rd., Hawaii Belt Rd., Kawaihae Rd., Queen Kaahumanu Hwy.)	99.526
	130	(Keaau–Pahoa Rd., Pahoa–Kalapana Rd., Kaimu–Chain of Craters Rd.)	21.639
	139	(Old Kea'au–Pahoa Rd.)	1.185
	163	Access Road to City of Refuge	0.131
	190	(Mamalahoa Hwy., Palani Rd.)	38.965
	197	(Kealakehe Parkway)	1.172 (not including 1.92 miles Proposed)
*	200	(Saddle Rd., Daniel K. Inouye Hwy.)	45.62 (not including 16 miles Proposed)
	210	(Mauna Kea Observatory Access Rd.)	6.27
	220	(Honomu Rd., Mamalahoa Hwy., Akaka Falls Rd.)	3.762
*	250	(Kohala Mountain Rd., Hawi Rd.)	19.276
*	270	(Kawaihae Rd., Akoni Pule Hwy.)	19.322
	1370	(Kalanianaole Street)	0.186
	2000	(Pualinako St.)	6.873
	HAWAII DISTRICT	TOTAL	385.897

Please Refer to Hwy System Changes List for Route Changes.

Date Released	
Dec 2002	JK
Revised	
Feb 03	DB
May 04	DB
Jan. 07	DB
Feb 08	DB
April 09	DB
Feb 11	DB
Feb 12	DB
Feb 13	EPJ
Dec. 13	EPJ
Dec. 14	EPJ
Jan. 16	EPJ
Jan. 17	EPJ
Feb 18	DB
Dec. 18	DB
Dec. 20	EPJ

STATE ROUTE SYSTEM

COUNTY OF HAWAII

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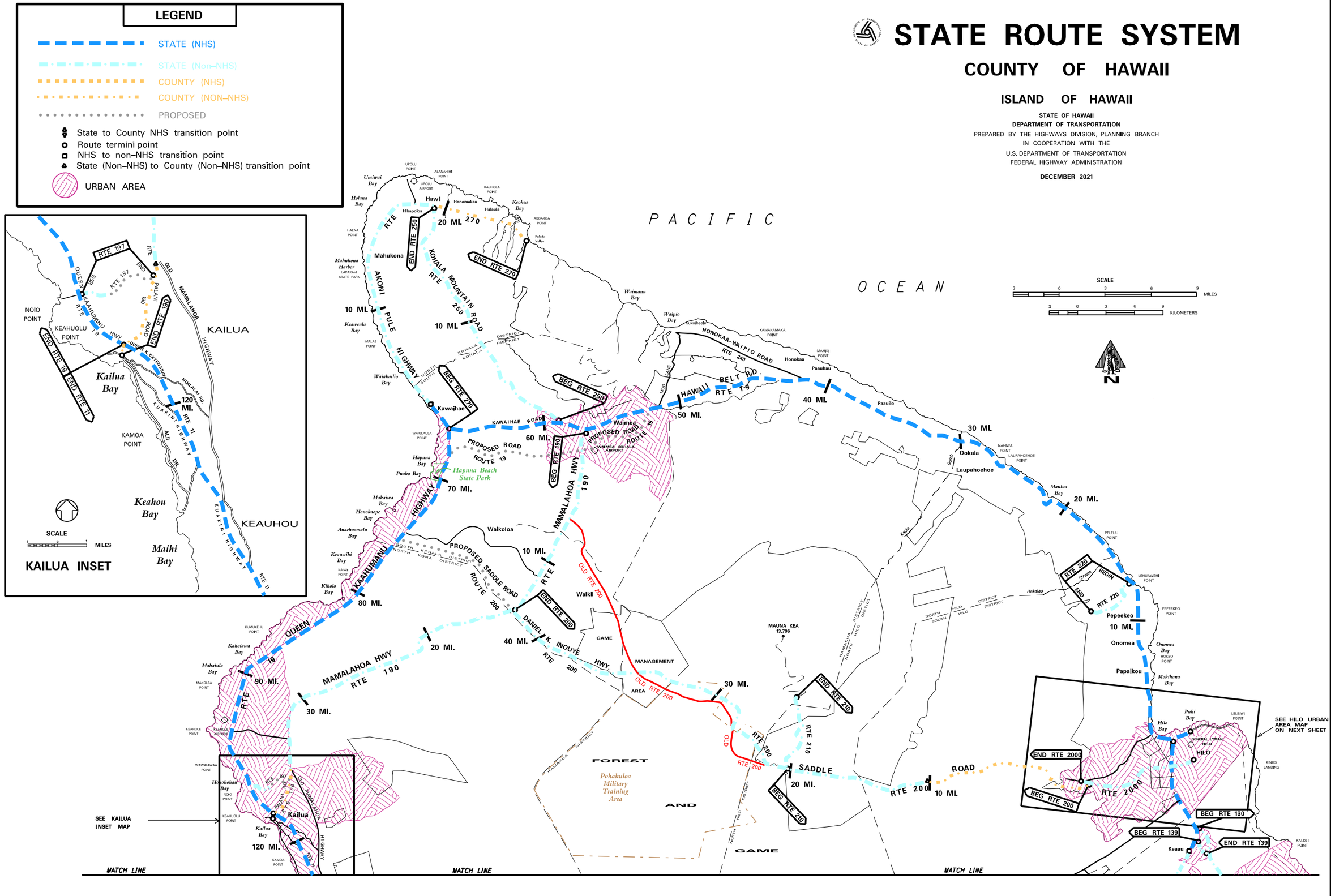
DECEMBER 2021



Date Released	
Dec. 2002	JK
Revised	
Feb. 03	DR
May 04	DR
Mar. 08	DR
Feb. 09	DR
Jan., 10	DR
Feb. 11	DR
Feb. 12	DR
Dec. 13	EPJ
Feb. 16	DR
Feb. 17	DR
Feb. 18	DR
Nov. 18	DR
Dec. 19	CR
Dec. 20	EPJ

2

STATE ROUTE SYSTEM

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
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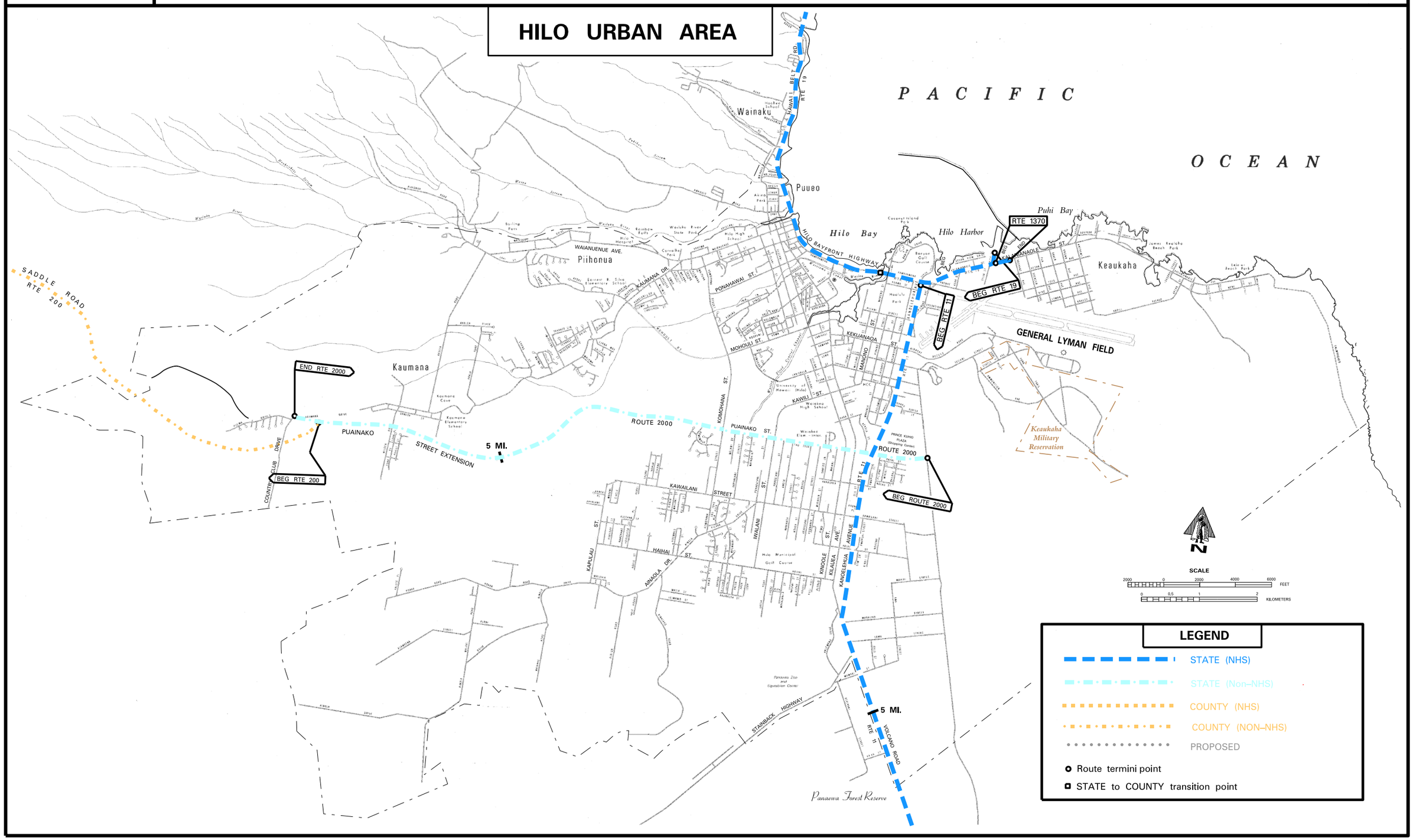
DECEMBER 2021

HILO URBAN AREA



LEGEND

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

Date Released
Dec 2002, JK
Revised
Feb 03 DR
May 04 DR
Feb 08 DR
Feb 11 DR
Feb 12 DR
Dec. 13 EPJ
Dec. 14 EPJ
Jan. 16 EPJ
Jan. 17 EPJ
Feb 18 DR
Nov. 18 DR
Dec. 20 EPJ
Dec. 21 EPJ

3

ROAD INVENTORY

HAWAII RTE. 11
VOLCANO ROAD – KANOELEHUA AVE.

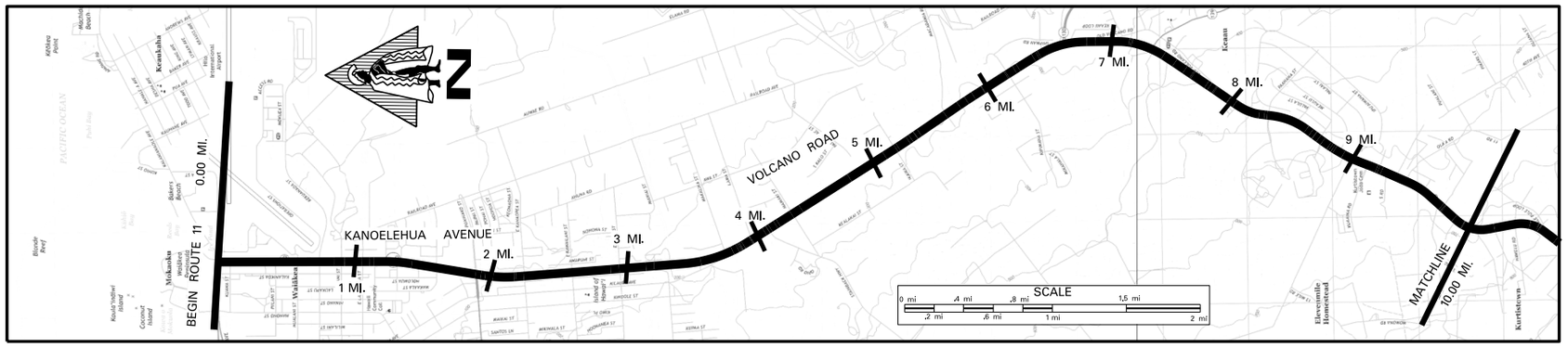
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length:	121.970	MILES (a+b)
a. Existing Length:	121.970 MILES	
b. Proposed Length:	0.00 MILES	
Total Travel Way Length:	121.970	MILES (a+b, less c)
a. Existing Length:	121.970 MILES	
b. Temporary Length:	0.00 MILES	
c. Length used as T.W. for another Route:	NONE MILES (–)	

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____

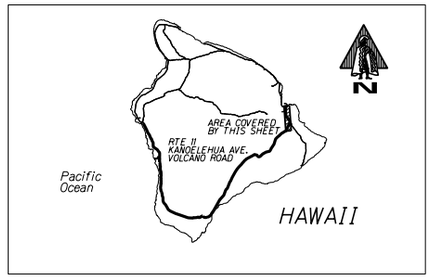


SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed	TEE BEAM 1950 HS–20 108' ; CONCRETE FRAME 1966 HS–20–44 18'
	Vertical Clearance	
	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 ; RESIDENTIAL AREA, TREES
Right of Way Fence: Type – Right and Left		CHAINLINK 8' FROM PAV'T
Control of Access: 1–None, 2–Partial, 3–Full		PARTIAL ; NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)		C to S Phase I ; (HES–STP–011–2(20) 1999 IMPROVEMENTS) ; STATE
Project No., Type of Construction, and Year Constructed		(2000E–01–00, IMPRV., 2004) ; STP–011–2(39), PAVEMENT PREVENTIVE MAINTENANCE, 2013 ; STP–011–2(041), PREVENTIVE MAINTENANCE, 2014
Project No., Type of Construction, and Year Constructed		NH–011–2(24) 1999 WIDENING ; NH–011–2(33) 1999 RESURFACE ; HWY–H–02–15M, 2017 ; F–011–2(17) WIDENING 1987 ; HWY–H–02–15M, 2017



Road Diagram

Indicates Grass & / or Physical Barrier on Median.

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

KUAWA ST. · PHILANI ST. · HUALANI ST. · AIRPORT RD. · LEILANI ST. · KAWILI ST. · E. LANIKAULA ST. · POHAKU ST. · HALEKAULA ST. · MAKAALA ST. · PUAHANAKO ST. (RTE 2000) · DRIVEWAY · E. KAHAOPEA RD. · AHONA PL. · KAWAILANI ST. · E. PALAI ST. · PANAEWA BR. WAIANUHEA PL. · KILAUEA AVE. (ACCESS) · KILAUEA AVE. MAKALIKA ST. · LAMA ST. · BEGIN MEASURED MILE STANBACK HWY. · MAMAKI ST. · HAWAII COMM. CORRECTIONAL CENTER · END MEASURED MILE · IKAIKA ST. · TELEM. STA. 011052 · PUNAIPI SOUTH HILO GIN DIST. BDRY. SIGN · MACADAMIA DR. · E. KIPIMANA ST. · KEAUHAPAHOA BYPASS RD (RTE 130) · OLD KEEAU–PAHOA RD (RTE 139) · ACC. FROM OLD MAMALAHOA HWY. · ROAD U.P. · OLD VOLCANO RD. · PAVED ROAD · PA'AHANA ST. · AKA'AKAI ST. END DIVIDED · BEGIN DIVIDED · BEGIN DIVIDED · MEAULU ST. · KUAAINA ROAD · PAVED ROAD SOUTH RD. · BEGIN DIVIDED · OLA'A ROAD · END DIVIDED · HUNA ROAD · HALE PULE LP. 9.988 MI.

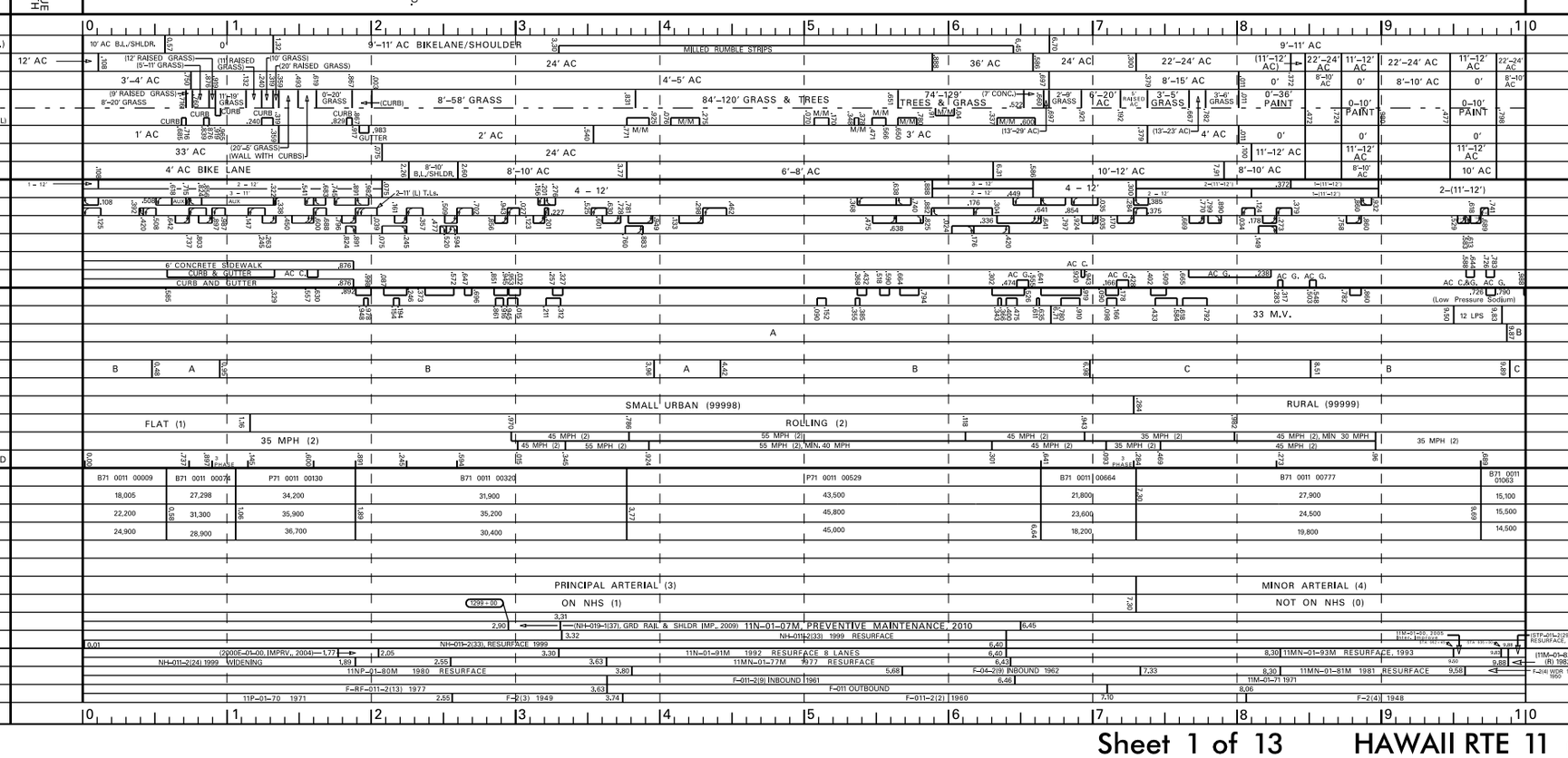
KANOELEHUA AVE. — VOLCANO ROAD

0.00 MI. — 10.00 MI.

CONTINUES ON SHEET #2

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided	Shoulder: Width and Type	(COMBINATION BIKELANE & SHOULDER FROM 0.00 MI.– 6.70 MI.)
	Pavement: Width and Type	
	Shoulder: Width and Type	
	Median: Width and Type	
	Median Barriers:	(M/M GUARDRAIL)
	Shoulder: Width and Type	
	Pavement: Width and Type	
	Shoulder: Width and Type	(COMBINATION BIKELANE & SHOULDER FROM 0.00 MI.– 2.60 MI.)
Number of Traffic Lanes		
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)		ALL T. L. 12'
	(Right Side)	ALL T. L. 12'
Frontage Road: No. of Lanes, and Width (Right and Left)		
Sidewalk: Width and Type (Right and Left)		
Curb and/or Gutter: Type (Right and Left)		
Protective Devices: Type, Location and Number		ALL GUARDRAILS METAL ON METAL UNLESS OTHERWISE NOTED
Illumination: Type, Location and Number		
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)		
Superelevation (Range)		
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)		
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		ALL 4 PHASE UNLESS NOTED
Traffic Stations (Current Year)		
HPMS Sections – AADT 2020		
HPMS Sections – AADT 2019		
HPMS Sections – AADT 2018		
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
Dec 2004 GN

Revised	
5/06	G.N.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
1/13	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/19	D.B.
12/20	E.P.J.
11/21	D.B.

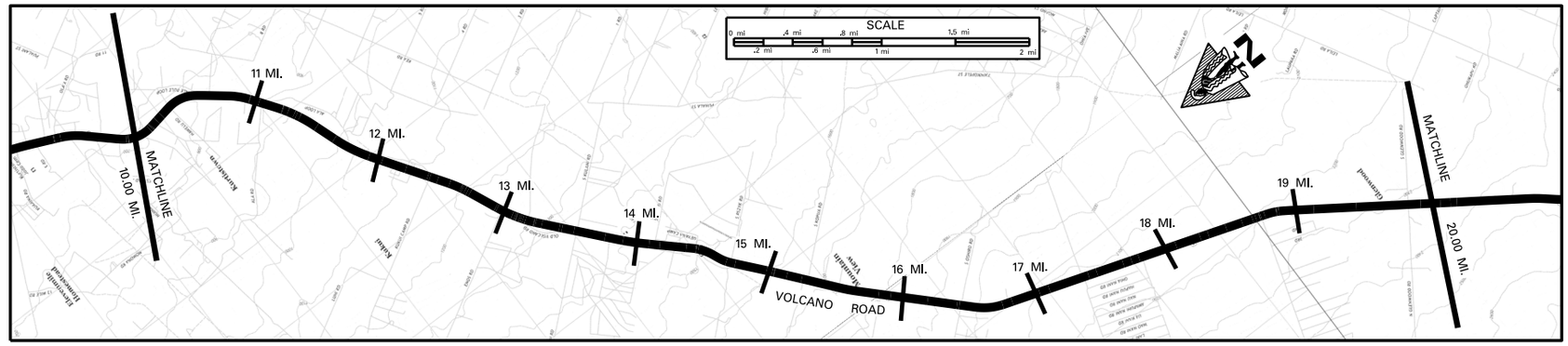
ROAD INVENTORY
HAWAII RTE 11
VOLCANO ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 121.970 miles
a. Survey Length: 121.970 miles
b. Proposed Length: 0.00 miles
c. Other Length: 0.00 miles

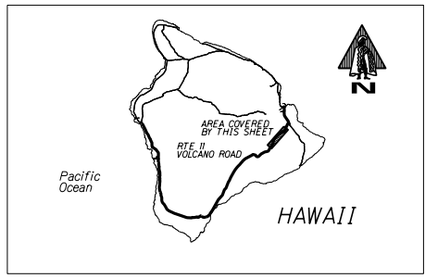


SCALE: (In Miles) 2" = 1 mile

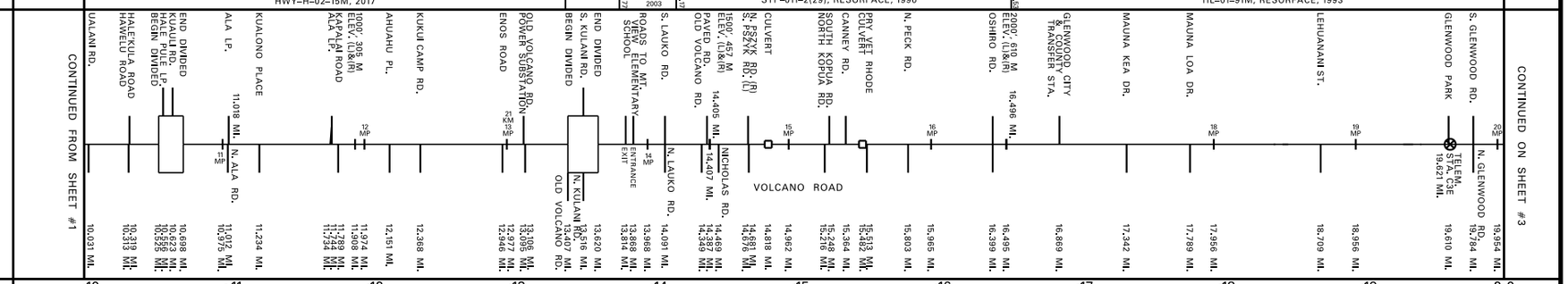
Maintenance Control Sections : Length and Description: 11 M (9.12 MI.); END 11 L, BEGIN 11 M ON VOLCANO ROAD 50' NORTH OF CENTERLINE OSHIRO ROAD. (16.44); 11 L (12.00 MI.)

Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed: CULVERT, 1966, HS–20 (42' 55' 43'; 18.48 18.39 18.24)
Vertical Clearance: 44' 44' 44'
Horizontal Clearance:
Structure Over Road — Vertical Clearance:
Horizontal Clearance:

Right of Way Width (min.–max.) if varies: 80' (12.58); 80'–144' (14.49); 80'–125' (19.77); 90'–110'
Available Right of Way Width (Needs Study): RESIDENTIAL AREA, TREES (14.36); LARGE TREES & BRUSH
Right of Way Fence: Type – Right and Left: WIRE 12' F.P. (10.72); C.L. 10' F.P. (10.94); 11.05; 11.08; 11.37; C.L. 10' F.P. (11.42); 11.51; 11.56; S.W. 15' F.P. (12.33); C.L. 20' F.P. (12.27); C.L., WIRE 10' F.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 (745+00)
Project No., Type of Construction, and Year Constructed: STP–011–2(041), PREVENTIVE MAINTENANCE, 2014 (13.39); (HS–STP–011–2(38), INTR. AND DRAIN IMPRV., 2013) (13.76)
Project No., Type of Construction, and Year Constructed: HWY–H–02–15M, 2017 (13.77); IM–02–02M 2003 (14.17); STP–011–2(29), RESURFACE, 1996; 11L–01–91M, RESURFACE, 1993



Road Diagram
* MP=Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided
Shoulder: Width and Type: 8'–10' AC; 10'–12' AC B. L. / SHLDR.
Pavement: Width and Type: 22'–24' AC; 11'–12' AC; 24' AC; 23'–24' AC; (8'–10' AC); 22'–24' AC; 23'–24' AC
Shoulder: Width and Type: 8'–10' AC; 0; 8'–10' AC; 0; 10'–12' AC B. L. / SHLDR.; 8'–10' AC
Median: Width and Type: (0'–11' PAINTED AC); (0'–11' PAINTED AC)
Median Barriers:
Shoulder: Width and Type: 0; 0
Pavement: Width and Type: 11'–12' AC; 11'–12' AC
Shoulder: Width and Type: (8'–10' AC); 8' AC

Number of Traffic Lanes: 2–(11'–12'); 2–12'; 1–12' 1–(11'–12'); 2–(11'–12'); 1–12' 1–(11'–12')
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 1–11' (L) T.L.
(Right Side)
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left): 4.5' AC SW; 4.5' AC SW
Curb and/or Gutter: Type (Right and Left): AC G.; AC G.; AC G.
Protective Devices: Type, Location and Number — ALL GUARDRAILS METAL ON METAL UNLESS OTHERWISE NOTED
Illumination: Type, Location and Number: FROM 6.71 MI. 33 MV; LOW PRESSURE SODIUM; LOW PRESSURE SODIUM; 11 MV
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62): B A B; A
Superelevation (Range)
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45): D C B C D C D C B C B
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: RURAL (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: ROLLING (2)
Speed: 1–Design, 2–Posted: 35 MPH (2); 45 MPH (2); 55 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year): B71 0011 01063; P71 0000 00C3E
HPMS Sections – AADT 2020: 15,100; 6,700
HPMS Sections – AADT 2019: 15,500; 7,100
HPMS Sections – AADT 2018: 14,500; 6,800
DOD Sections
Census Tracts
Functional Classification: MINOR ARTERIAL (4)
National Highway System (NHS): NOT ON NHS (0)
Previous Projects: Project No., Date and Limits
STP–011–2(29), RESURFACE, 1996
STP–011–2(29), RESURFACE, 1996
11M–01–82M (RESURFACE), 1982
(F–2(4) WOR 11(2) 1950)
11M–01–71, 1971
F–2(4) 1948
F–2(16), 1951
C–0112(5), 1970
F–011–2(5), 1970
F–011–2(16), 1967
(S–0144(1), 1958)

SCALE: (In Miles) 2" = 1 mile

Date Released
JUNE 05, D.B.

Revised	
5/06	G.N.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
1/13	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/19	D.B.
12/20	E.P.J.

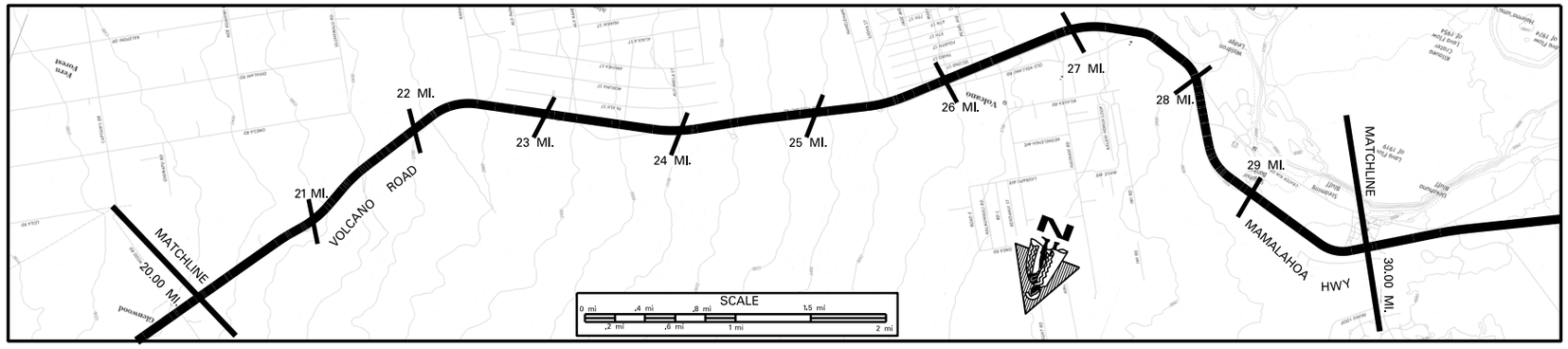
ROAD INVENTORY
HAWAII RTE 11
VOLCANO RD., MAMALAHOA HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 121.970 miles
a. Survey Length: 121.970 miles
b. Proposed Length: 0.00 miles
c. Other Length: 0.00 miles



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description
11L (12.00 MI.) | END 11K – BEGIN 11L ON MAMALAHOA HWY AT THE CENTERLINE OF VOLCANO NATIONAL PARK ROAD. | 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' | 80' | 50' | 80'

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

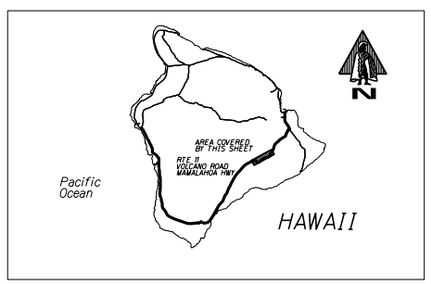
Right of Way Fence: Type – Right and Left

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

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

Project No., Type of Construction, and Year Constructed
(S-0144 (1), 1958) | (F-011-2(11), 1974) | (11K-01-03M, (R),2009) | 11K-01-03M, (R),2009

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



Road Diagram
* MP=Milepost Signage

CONTINUED FROM SHEET #2

20.00 MI. CULVERT | 20.480 MI. | 20.946 MI. 21 MP | 21.036 MI. 2100' 762 M ELEV. (L)&(R) | 21.451 MI. PAVED RD. | 21.953 MI. | 22.313 MI. 22 MP | 22.468 MI. ROAD (NEW HOPE) | KAHAUALE'A ROAD | 22.959 MI. | 23.131 MI. 23 MP | ALII KANE ST. | 23.480 MI. | 23.541 MI. 3900' 1067 M ELEV. (L)&(R) | 23.481 MI. | 23.738 MI. CONNECTOR TO VOLCANO RD. | ALII KOA ST. | ALII ANELA ST. | 23.958 MI. | 23.958 MI. 24 MP | 24.296 MI. ROAD TO VOLCANO SOLID WASTE DUMP | 24.957 MI. 25 MP | 25.348 MI. | 25.468 MI. 3900' 1067 M ELEV. (L)&(R) | 25.469 MI. NAHELENAM ST. | 25.773 MI. JADE AVE | 25.957 MI. 26 MP | 26.169 MI. PEARL AVE | 26.346 MI. LANIHULI RD. WRIGHT RD. | 26.828 MI. 26.783 MI. HALEUMAM RD. HALE OMA Rd. | 26.958 MI. 27 MP | 27.243 MI. 27.260 MI. 27.393 MI. 27.473 MI. OLD VOLCANO RD. DISTRICT OF KAU (R) DISTRICT OF PUNA (L) HAWAII VOLCANOES NATIONAL PARK | 27.952 MI. 28 MP | 28.169 MI. BEGIN DIV. HWY | VOLCANO NAT'L PARK/ CRATER RIM DR. | 28.343 MI. END DIV. HWY | 28.509 MI. | 28.827 MI. ROAD | 28.952 MI. | 29.031 MI. BEGIN(R)/END(L) FAULT ZONE | 29.029 MI. 29 MP | 29.854 MI. | 29.953 MI. CREST 1227 m (R)/(L) 4024 FT. 30 MP | VOLCANO ROAD | MAMALAHOA HIGHWAY

CONTINUED ON SHEET #4.

SCALE: (In Miles) 2" = 1 mile

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

7'–9' AC | 4'–6' AC | 2'–4' AC
23'–24' AC | .700 | 22'–24' AC | 11'–12' AC | 22'–24' AC
8'–10' AC | 2'–4' AC | 0 | 9' AC | 2'–4' AC
0–8' PAINTED AC | .169 | .509
0
11'–12' AC
9' AC

Number of Traffic Lanes
1–12' | 1–(11'–12') | .700 | 2–(11'–12') | .342 .431 .266

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
.342 .431 .266

(Right Side)
.124 12' 12' .342 .462 .343

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

Sidewalk: Width and Type (Right and Left)
METAL RAILS/ CONCRETE POSTS

Curb and/or Gutter: Type (Right and Left)
.776 .842 .484 .600 .185 .294 .698 .816

Protective Devices: Type, Location and Number ALL GUARDRAILS METAL ON METAL UNLESS OTHERWISE NOTED
.709 .853 .285 .370 .428 .482 .608 .153 .291 .708

Illumination: Type, Location and Number
LOW PRESSURE SODIUM | 22.52 | 23.18 LOW PRESSURE SODIUM | 25.83 LOW PRESSURE SODIUM | 2 LOW PRESSURE SODIUM

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)
A | 27.46 B | 27.60 A | 27.76 B | 28.07 A | 28.62 B | 29.86 A

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)
C | 20.18 D | 20.46 C | 20.62 B | 21.16 C | 21.43 D | 21.65 C | 21.90 B | 22.09 C | 22.72 B | 23.07 C | 23.17 D | 23.75 C | 24.06 D | 25.11 C | 26.62 B | 27.14 C | 27.23 B | 27.42 C | 27.74 B | 28.35 C | 28.87 B | 29.20 A | 29.35 B | 29.72 A

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
RURAL (99999)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous
ROLLING (2) | 23.69 | FLAT (1) | 26.87 | ROLLING (2)

Speed: 1–Design, 2–Posted
55 MPH (2) | 27.2 | 45 MPH (2), MINIMUM 30 MPH

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)
P71 0000 00C3E | B71 0011 02740 | B71 0011 03005

HPMS Sections – AADT 2020
6,700 | 3,600 | 1,742

HPMS Sections – AADT 2019
7,100 | 26.35 | 5,090 | 28.35 | 1,323

HPMS Sections – AADT 2018
6,800 | 5,000 | 1,300

DOD Sections

Census Tracts
CT 210 | 27.58 | CT 212

Functional Classification
MINOR ARTERIAL (4)

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

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 | 11K-01-78M & PMS-0100(11) UNIT 1 RESURFACE, 1978 | 27.53
F-011-2(5), 1967 | 20.60 | S-0144(1), 1956 | 23.58 | F-011-2(11), 1973 | 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 + 99.99 | STA. 157 + 09 | STA. 132 + 20

SCALE: (In Miles) 2" = 1 mile

Date Released
JUNE 05, D.B.

Revised	
6/06	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
1/13	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
2/18	D.B.
11/18	D.B.
12/19	D.B.
12/20	E.P.J.

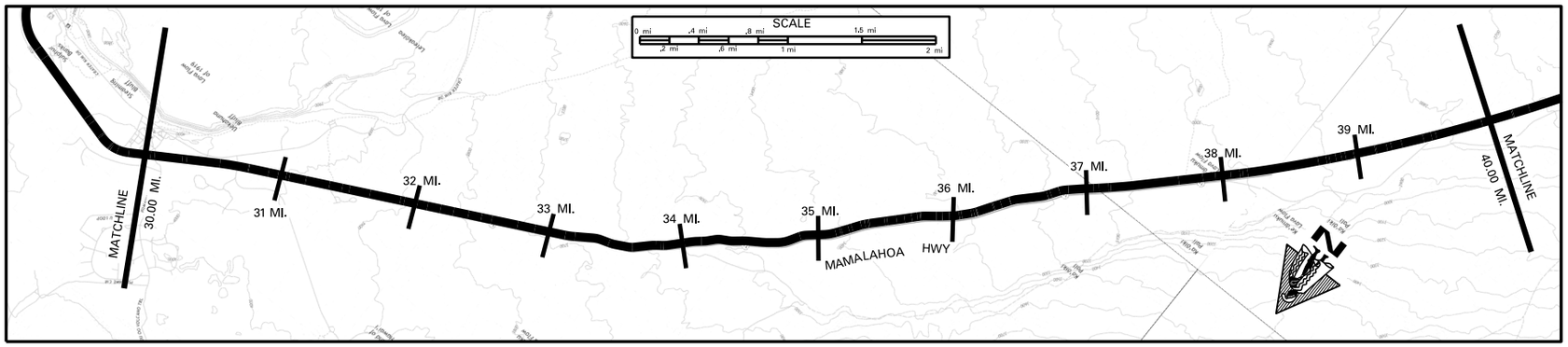
ROAD INVENTORY
HAWAII RTE 11
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 121.970 miles
- a. Survey Length: 121.970 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 K (2.62 MI.)
- END 11J BEGIN 11K ON MAMALAHOA HWY 1674' SOUTH OF CENTERLINE CRATER RIM RD./ BIRD PARK RD. AT THE CONTOL SECTION MARKER
- 11J (8.45 MI.)
- 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' ; 100' ; 80'

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

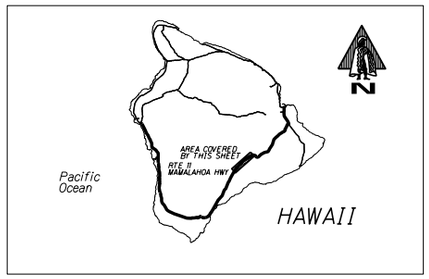
Right of Way Fence: Type – Right and Left: (WIRE ON WOOD 15' FROM PAVEMENT L&R)

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

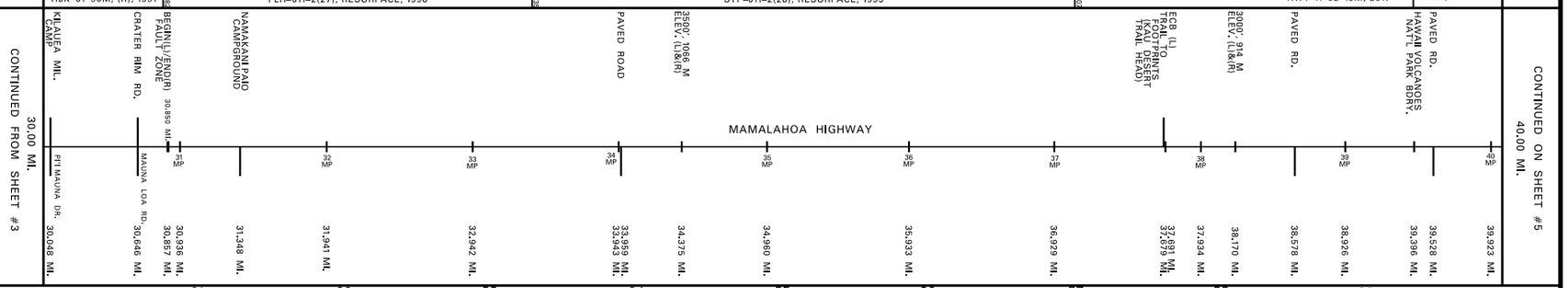
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): FEDERAL (STATE MAINTAINED) ; (0000+00) STATE

Project No., Type of Construction, and Year Constructed: 11K–01–03M (R), 2009 ; (STP–0100(31), 1994, G.R. IMPRV.) ; STP–011–2(042) PREV. MAINT., 2015

Project No., Type of Construction, and Year Constructed: 11JK–01–90M, (R), 1991 ; FLH–011–2(27), RESURFACE, 1998 ; STP–011–2(28), RESURFACE, 1995 ; HWY–H–02–15M, 2017



Road Diagram
* MP = Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided
- Shoulder: Width and Type: 2'–4' AC ; 6' AC ; 2'–4' AC
- Pavement: Width and Type: 22'–24' AC ; 20'–22' AC ; 22'–24' AC
- Shoulder: Width and Type: 2'–4' AC ; 5'–7' AC ; 3' AC ; 8'–10' 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'–12') ; 2–(10'–11') ; 2–(11'–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): Conc. G.

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

Illumination: Type, Location and Number

Curves Class: +/– Degree A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (99999)

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0011 03005 ; B71 0011 05389

HPMS Sections AADT 2020: 1,742 ; 2,130

HPMS Sections AADT 2019: 1,323 ; 2,036

HPMS Sections AADT 2018: 1,300 ; 2,000

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4)

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

Previous Projects: Project No., Date and Limits
- 30.58 – FLH–011–2(27), RESURFACE, 1998
- 33.35 – STP–011–2(28), RESURFACE, 1995
- 37.07
- 33.32 – FLH–011–2(19), 1990
- 34.70 – FLH–011–2(22), WIDENING, 1991
- 35.93 – FLH–011–2(23) 1992
- 37.07 – 37.07 – 11JK–01–90M, (R), 1991
- 39.60
- 30.13–(11JK–01–84M, 1985, RESURFACE)
- (11JK–01–84M, 1985, RESURFACE)– 33.88
- 34.22 – 34.41
- 34.60–(11JK–01–84M, 1985, RESURFACE)
- (11KL–01–78M & PMS–0100(11) UNIT 1, (R), 1978) 30.84 – 30.96
- 11J–01–76M (R), 1976 – STA. 587+00 35.16
- 39.47 – 11H–01–80M, (R), 1980
- NPH–3A, 1962 – 30.94 – STA. 11+00
- STA. 780+35.41
- NP–3B, 1931 – 34.46
- NP–3C, 1940 – 38.83
- F–18(5), 1953

SCALE: (In Miles) 2" = 1 mile

Date Released
JUNE 05, D.B.

Revised	
6/06	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
1/13	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
2/18	D.B.
11/18	D.B.
12/19	D.B.
12/20	E.P.J.

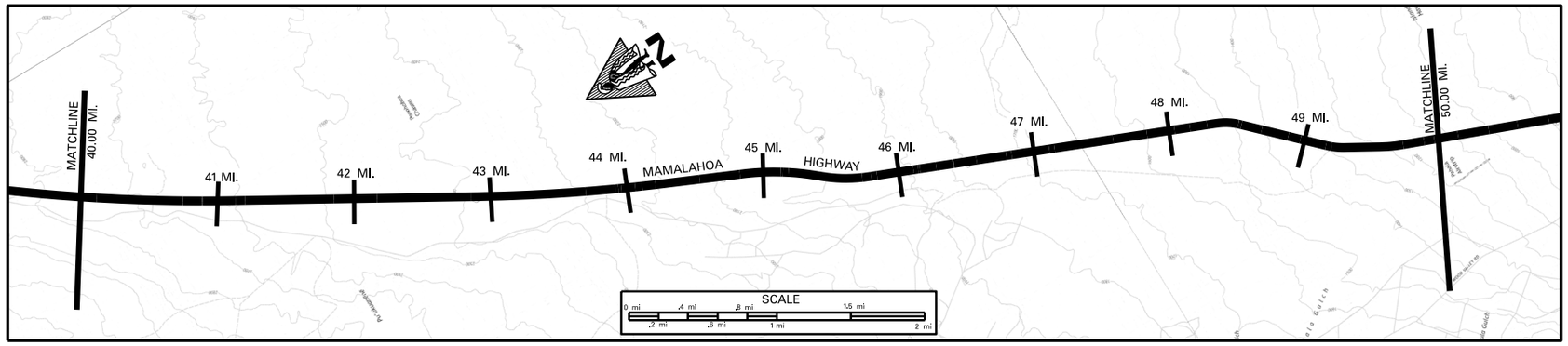
ROAD INVENTORY
OAHU RTE 11
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 121.970 miles
a. Survey Length: 121.970 miles
b. Proposed Length: 0.00 miles
c. Other Length: 0.00 miles



SCALE: (In Miles) 2" = 1 mile

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

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: CONC. BOX CULVERT 1997 HS-20-44; PRESTRESSED CONC. PLANK, HL-93, 2006 (160', 73', 145')

Vertical Clearance: 40.07, 40.46, 40.77

Horizontal Clearance: 40', 34', 40'

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.-max.) if varies: 80', 60'

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

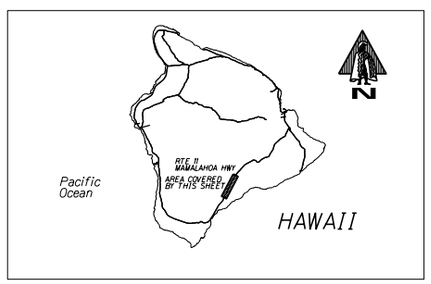
Right of Way Fence: Type - Right and Left: WIRE ON WOOD 15' FROM PAVEMENT (L) & (R)

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

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

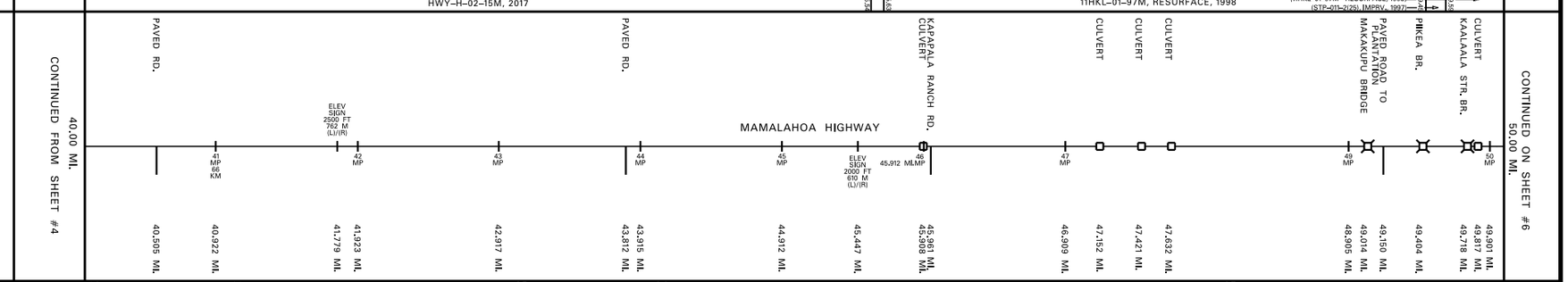
Project No., Type of Construction, and Year Constructed: STP-011-2(042), PAVEMENT PREVENTIVE MAINTENANCE, 2015

Project No., Type of Construction, and Year Constructed: HWY-H-02-15M, 2017; 11HKL-01-97M, RESURFACE, 1998; (ER-12(2), BRIDGE REPLACEMENT, 2006); (11HKL-01-97M RESURFACE, 1998); (STP-011-2(26), IMPRV, 1997)



Road Diagram

* MP = Milepost Signage



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; 6'-8' AC; 6'-8' AC

Pavement: Width and Type: 22'-24' AC; 20'-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; 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-(11'-12'); 2-(10'-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): Conc. G.; AC GUTTER; CONC. GUTTER

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

Illumination: Type, Location and Number

Curves Class: +/- Degree (A(0-3.45) B(3.45-5.44) C(5.44-8.48) D(8.48-13.85) E(13.85-28.62) F(<28.62): A

Superelevation (Range)

Grades Class: +/- % (A(0-.45) B(.45-2.45) C(2.45-4.45) D(4.45-6.45) E(6.45-8.45) F(<8.45): C, B, C, B, C, B, C, D, C, D, C, D, B, C, E, D, C, D

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (99999)

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0011 05389

HPMS Sections - AADT 2020: 2,130

HPMS Sections - AADT 2019: 2,036

HPMS Sections - AADT 2018: 2,000

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4)

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

Previous Projects: Project No., Date and Limits: 11H-01-80M, RESURFACE, 1980; 11HKL-01-97M, (RESURFACE), 1998; (11GH-01-82M, (RESURFACE), 1982); (11GH-01-81, (SHOULDER STABILIZATION), 1981); 11G-01-78, 1978, (SHOULDER STABILIZATION); F-18(5), 1953; WER 11(), 1948; FAP 18 B 1938

SCALE: (In Miles) 2" = 1 mile

Date Released	
June 2005, D.B.	
Revised	
6/06	D.B.
1/07	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
1/13	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
2/18	D.B.
11/18	D.B.
12/19	D.B.
12/20	E.P.J.

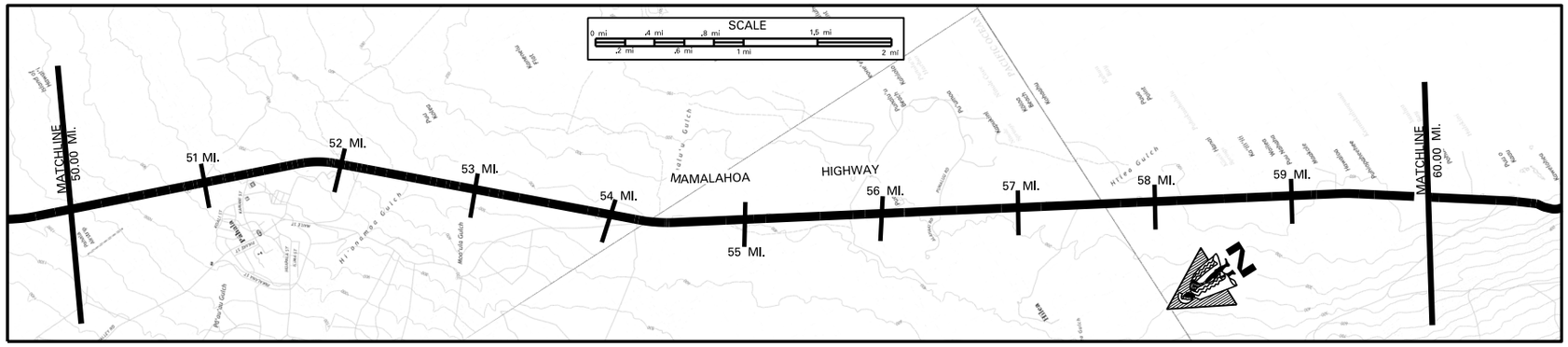
ROAD INVENTORY
HAWAII RTE 11
MAMALAHOA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 121.970 miles
a. Survey Length: 121.970 miles
b. Proposed Length: 0.00 miles
c. Other Length: 0.00 miles



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description: 11 H (11.86 MI.); END 11G – BEGIN 11H ON MAMALAHOA HWY, AT THE CENTERLINE INTERSECTION WITH KAMANI ST.; 11G (9.20 MI.)

Structure Carrying Road

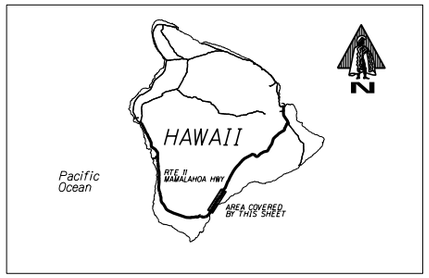
Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- PRECAST PLANK 2001, HL-93 — 234'
- PRE-STRESSED CONC. PLANKS 2003, HL-93 — 126'
- CONC. FRAME 1938, H-15 — 82', 70'
- SLAB 1938, H-15 — 43'
- TEE-BEAM 1940, H-15 — 31'
- TIMBER STRINGER 1950, H-15 — 60'
- TIMBER STRINGER 1940, H-15 — 41'

Vertical Clearance
Horizontal Clearance: 40', 40', 24', 24', 24', 24', 24', 24'

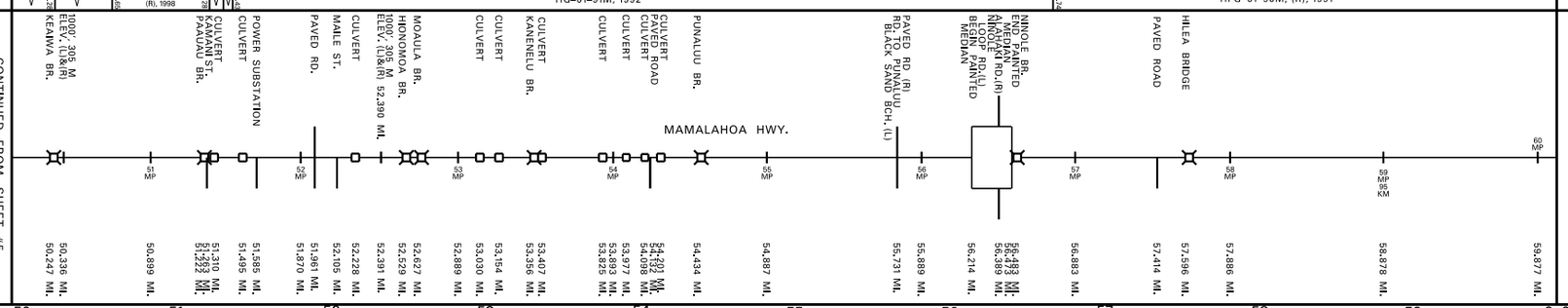
Structure Over Road

Vertical Clearance
Horizontal Clearance

Right of Way Width (min.–max.) if varies: 60', (65') 51.54 51.21, 60', (60') 100' (85') 52.84 52.35 52.06, 60', 53.55, 60'–80', 54.03, 60'
Available Right of Way Width (Needs Study): BUSHES AND TREES ON LAVA ROCK; BUSHES AND LARGE TREES ON LAVA ROCK CUT SLOPES
Right of Way Fence: Type – Right and Left: WIRE ON WOOD 15' FROM PAVEMENT (L) & (R)
Control of Access: 1–None, 2–Partial, 3–Full: NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE; 389 + 50, 53.37; 392 + 75
Project No., Type of Construction, and Year Constructed: (ER-12(3), (BRIDGE REPLACEMENT), 2003); (11HKL-01-97M, (R), 1998); (ER-12(1), (BRIDGE REPLACEMENT), 2001); (11GH-01-82M, (R), 1982); (11G-01-04, DRAINAGE IMPR, 2008)
Project No., Type of Construction, and Year Constructed: 11HKL-01-97M, (R), 1998; 11G-01-91M, 1992; 11FG-01-90M, (R), 1991



Road Diagram
* MP=Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type: 4'–9' AC; 4'–8' GRASS; 3/4 AC; (4'–8' GRASS); 4' AC; (15' AC); 4'–6' AC; 4'–6' AC
Pavement: Width and Type: (8' GRAVEL); (8' GRAVEL); 20'–22' AC; 19'–21' AC; 18'–20' AC; 12'–15' AC; 18'–20' AC
Shoulder: Width and Type: 4'–9' AC; 5'–15' GRASS; 7 BP; 3/4 AC; (6'–16' GRASS); 4' AC; 0; 4' AC; 4'–6' AC
Median: Width and Type: 0'–8' PAINTED AC
Median Barriers:
Shoulder: Width and Type: 0
Pavement: Width and Type: 11' AC
Shoulder: Width and Type: 4' AC

Number of Traffic Lanes: 2–(10'–11'); 1–(9'–10'); 1–(10'–11'); 2–(9'–10'); 1–(12'–15'); 1–11'; 2–(9'–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): AC G.; (C. C.&G.); AC G.; AC G.; AC G.; AC G.; AC G.; AC G.; AC G.; AC G.
Curb and/or Gutter: Type (Right and Left): AC G.; AC G.; (14' CONC. GUTTER); AC G.; AC G.; AC G.
Protective Devices: Type, Location and Number — ALL GUARDRAILS METAL ON METAL UNLESS OTHERWISE NOTED
Illumination: Type, Location and Number
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62): A
Superelevation (Range)
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45): D 50.47, C 50.75, D, C 51.11, B 51.32, D 51.60, C 51.98, D 52.67, A 53.04, B 53.21, A 53.34, B 53.73, A 54.00, B 54.34, B 55.22, B 55.53, B 56.79, C 56.78, D 56.22, E 56.32, D 56.35, A 56.62, A 56.78, B 56.79, C 57.05, B 57.17, A 57.60, B 57.85, A 57.96, C 58.18, D 58.31, B 58.54, A 58.69, B 58.92, C 59.10, D 59.27, C 59.47, A 59.61, C 59.78, B 59.94, (A)
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: RURAL (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: ROLLING (2)
Speed: 1–Design, 2–Posted: 55 MPH (2) MINIMUM 40 MPH
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year): B71 0011 05389; B71 0011 06341
HPMS Sections – AADT 2020: 2,130; 2,710
HPMS Sections – AADT 2019: 2,036; 3,730
HPMS Sections – AADT 2018: 2,000; 3,694
DOD Sections
Census Tracts
Functional Classification: MINOR ARTERIAL (4)
National Highway System (NHS): NOT ON NHS (0)
Previous Projects: Project No., Date and Limits
- 11 HKL-01-97M, (RESURFACE), 1998 — 51.37
- 11GH-01-82M, (RESURFACE), 1982 — 51.43; 52.64; (11GH-01-82M, (R), 1982) — 54.21; 54.53
- 50.53; 11GH-01-81, (SHLDR, STAB.), 1981 — 53.66
- (11G-01-78, (SHLDR, STAB.) 1978); FAP 18 B 1938 — 53.73; FAP 18C(1), 1940 — 56.19; FAP 18C(1), 1938

SCALE: (In Miles) 2" = 1 mile

Date Released	
Jan. 2006,	D.B.
Revised	
6/06	D.B.
4/09	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
1/13	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/19	D.B.
12/20	E.P.J.

ROAD INVENTORY
HAWAII RTE 11
MAMALAHOA HIGHWAY

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DEPARTMENT OF TRANSPORTATION
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PREPARED BY THE
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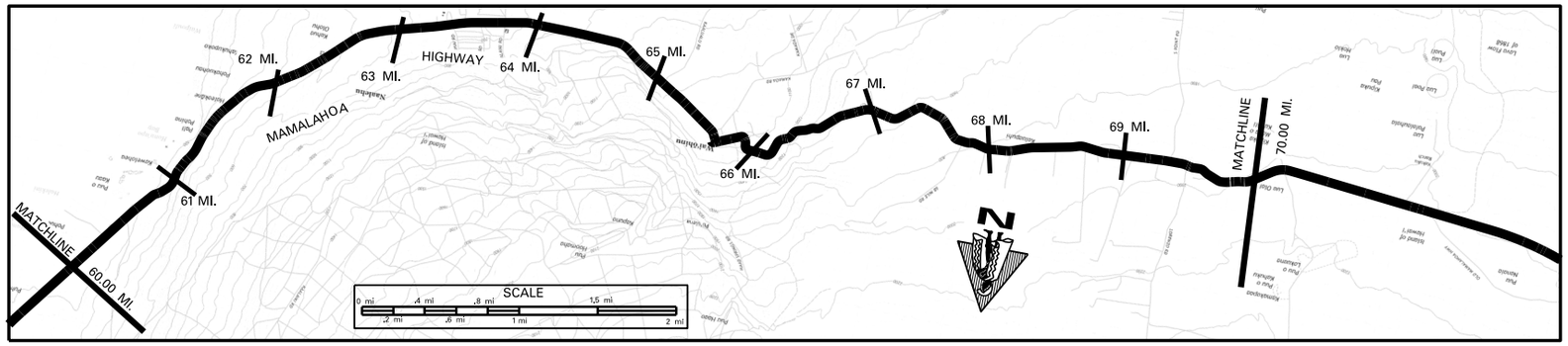
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 121.970 miles
a. Survey Length: 121.970 miles
b. Proposed Length: 0.00 miles
c. Other Length: 0.00 miles



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

Structure Carrying Road
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: SLAB 1940, H–15; 44'
- 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

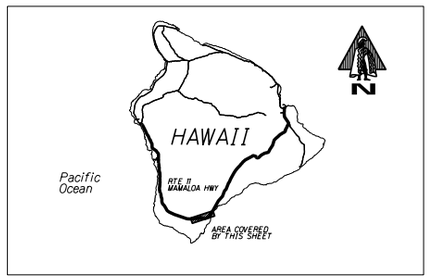
Right of Way Fence: Type – Right and Left: WIRE ON WOOD 16' FROM PAVEMENT; FENCE; ROCK WALL; (ROCK WALL); (FENCE)

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

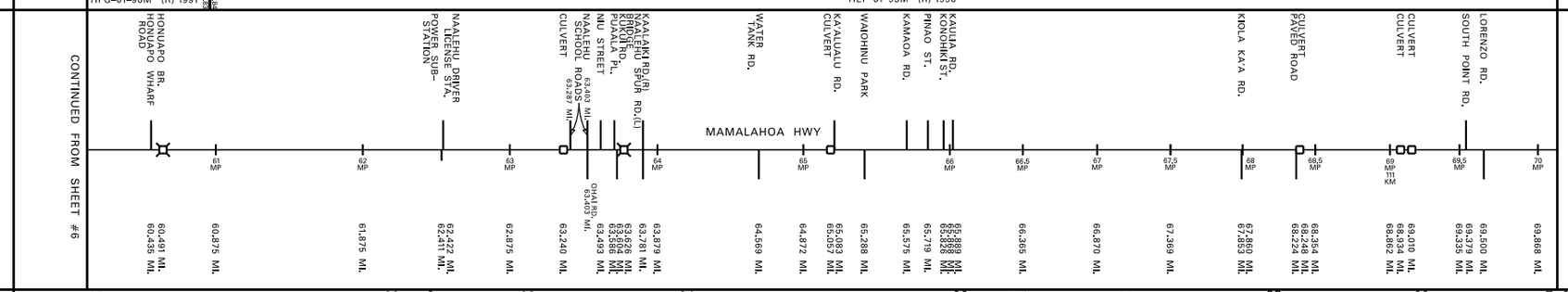
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE

Project No., Type of Construction, and Year Constructed: (COUNTY, P–1942, 1974); HSIP–011–2(37), SAFETY IMPRV., 2010; (11E–01–10M, GUARDRAILS, 2011)

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



Road Diagram
* MP=Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided
- Shoulder: Width and Type: 4'–6' AC; 4'–6' GRASS; 4'–6' BP; 8' GRASS; 35' GRS.; 0'; 18' DIRT; 2'–8' GRASS; 2'–8' BP; 0'; 2' – 4' AC; 4'–6' AC
- Pavement: Width and Type: (12' GRAVEL); 18'–20' AC; (12' AC); 22'–24' AC
- Shoulder: Width and Type: 4'–6' AC; 6' AC; 2'–10' GRASS; 4'–8' AC; 2'–6' GRASS; 2'–5' AC; 4'–15' GRS.; 4'–16' GRV.; 6'–10' AC; 5'–10' GRASS; 4'–8' AC; 4'–2' AC; 4'–10' GRASS; 4'–18' GRAVEL; 2'–18' GRS.; 2'–8' AC; 2'–10' GRASS; (2'–10' GRV.); 4'–12' AC; 4'–10' GRAVEL; 2' – 4' AC; 4'–6' AC
- Median: Width and Type: (6'–10' BP); (EDGELINE MILLED RUMBLE STRIP)
- Median Barriers: (RAISED PAVEMENT MARKER CENTERLINE RUMBLE STRIP); (CENTERLINE MILLED RUMBLE STRIP)
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type

Number of Traffic Lanes: 2–(9'–10'); 2–(11'–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): 6' CONC. S.W.

Curb and/or Gutter: Type (Right and Left): CONC. CURB; AC G.

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

Illumination: Type, Location and Number

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62): A DBACACA A BABAB A B A A B A MV MV DAF A E ABA E AE DEACD A CA C A D A D A DA DAD A D A BAB A AB A ADC AD BA

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45): A+ B C D B C B C D C B C D C D C D B D C E C A C B C B C B

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (99999)

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0011 06341; B71 0011 09362

HPMS Sections – AADT 2020: 2,710; 3,872

HPMS Sections – AADT 2019: 3,730; 4,800

HPMS Sections – AADT 2018: 3,694; 3,900

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4)

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

Previous Projects: Project No., Date and Limits: (FAP 18C (1), 1938); 60.29 FAGH 18 D(1), 1938 60.81 (STA. 778 + 66.33, STA. 744 + 50); 62.59 COUNTY (P–1942) 1974; 66.10 COUNTY; COUNTY (P–1829) 1974

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2001

Revised	
5/06	G.N.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
1/13	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
2/18	D.B.
11/18	D.B.
12/19	D.B.
12/20	E.P.J.

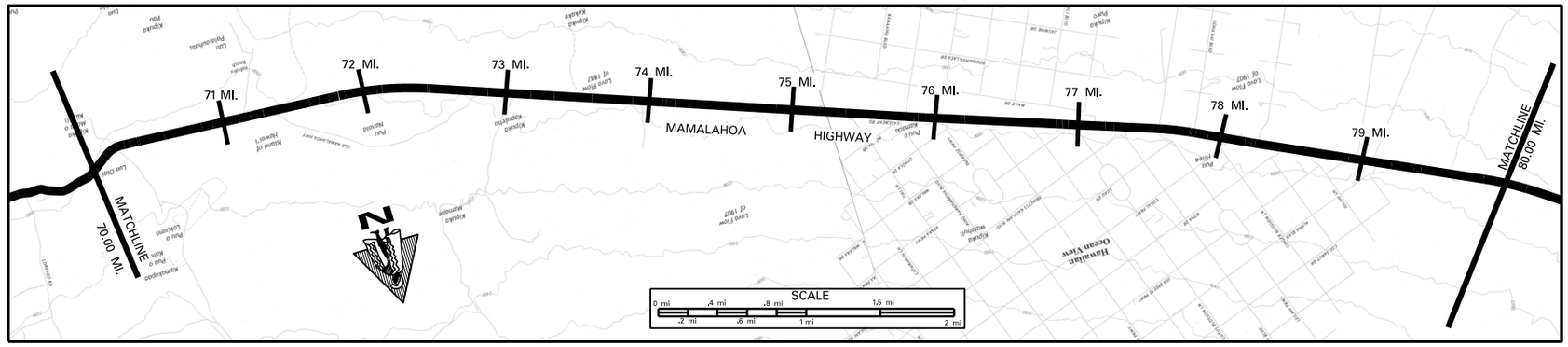
ROAD INVENTORY
HAWAII RTE 11
MAMALAHOA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 121.970 miles
- a. Survey Length: 121.970 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: 11E (9.31 MI.); END 11D – BEGIN 11E ON MAMALAHOA HWY AT THE CENTERLINE OF IOLANI LANE. 18.88; 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'; 100'; 90' 75.34; 75.95; 76.48; 76.95; 60'–110'; 78.81; 80'; 79.47; 85' 79.51; 80' 79.83; 90' 79.94; (80')

Available Right of Way Width (Needs Study): TREES – DENSE BRUSH – GRASS; TREES & BRUSH 73.34; 1000' CLEAR – LAVA ROCK 15' FROM EDGE OF PAVEMENT; TREES AND HEAVY BRUSH

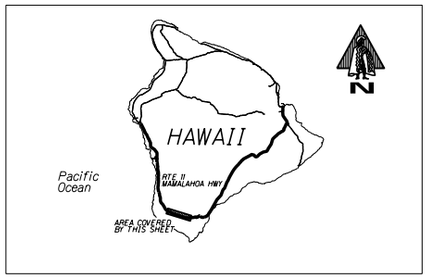
Right of Way Fence: Type – Right and Left: ROCK WALL 70.84; 72.46; 73.34; 74.00; 75.00; 75.95; 76.48; 76.95; 77.44; 77.76; 77.89; 78.46; (ROCK WALL)

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE 831 + 00

Project No., Type of Construction, and Year Constructed: 11E–01–10M, GUARDRAILS, 2011; 837 + 00; 610 + 00

Project No., Type of Construction, and Year Constructed: 11EF–01–93M, (R), 1996; 72.46 COUNTY (P–1957) 1977; 73.34; 11E–01–02M GUARDRAIL & SHOULDER IMPROVEMENT 2005; 77.44; 11EF–01–93M, (R), 1976; 79.94; 11D–01–79M, (RESURF.), 1979



Road Diagram
* MP=Milepost Signage

CONTINUED FROM SHEET #7

MAMALAHOA HWY

Milepost	Mile
HAWAII VOLCANOES NATIONAL PARK KAHUKU UNIT	70.262 MI.
70.5 MP	70.362 MI.
	70.854 MI.
71 MP	
OLD HAWAII BELT RD KAHUKU RANCH RD	71.189 MI.
71.5 MP	71.260 MI.
	71.344 MI.
72 MP	71.835 MI.
72.5 MP	72.332 MI.
	72.822 MI.
73 MP	72.894 MI.
ROAD	73.735 MI.
74 MP	
ENTRANCES/EXITS TO SCENIC LOOKOUT	74.701 MI.
	74.757 MI.
75 MP	74.828 MI.
	75.523 MI.
TIKI LANE	75.687 MI.
76 MP	
KOHALA BLVD. KING KAMEHAMEHA BLVD.	75.882 MI.
DONOLA DR.	76.155 MI.
ORCHID PARKWAY	76.481 MI.
LEHUA LANE	76.702 MI.
77 MP 124 KM	76.784 MI.
LOTUS BLOSSOM LN BEG DIVIDED	76.853 MI.
PRINCE KUHIO DR	77.039 MI.
END DIVIDED	77.125 MI.
HAWAII BLVD.	77.260 MI.
LEILANI PRKWY. (R) LEILANI MAKAI (L)	77.433 MI.
	77.609 MI.
	77.671 MI.
	77.660 MI.
KONA KAI BLVD.	77.904 MI.
GINGER BLOSSOM LN	78.095 MI.
KONA GARDEN DR.	78.314 MI.
KONA DRIVE	78.507 MI.
	78.685 MI.
IOLANI LANE	78.739 MI.
78 MP	
79 MP	
ALOHA BLVD.	79.188 MI.
ENTERING MANUKA (R) NATURE AREA RESERVE	79.549 MI.
	79.687 MI.
80 MP	

CONTINUED ON SHEET #9

SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided
- Shoulder: Width and Type: 4'–6' AC; 8'–10' AC; 6' BP
- Pavement: Width and Type: 22'–24' AC; .400; 23'–24' AC; .800; 22'–24' AC; 11'–12' AC; 22'–24' AC; .800; 20'–22' AC
- Shoulder: Width and Type: 4'–6' AC; 73.34; 8'–10' AC; 0; 8'–10' AC; 78.80; 6' BP
- Median: Width and Type: 0–11' PAINTED AC; 1.053; 1.080
- Median Barriers:

Divided
- Shoulder: Width and Type: 0
- Pavement: Width and Type: 11'–12' AC
- Shoulder: Width and Type: 10' AC

Number of Traffic Lanes: 2–(11'–12'); .400; 1–12'; 1–(11'–12'); .800; 2–(11'–12'); .800; 2–(10'–11')

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side); (Right Side): .596; .639; 1–12' (L) T.L.; .696; .739

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): .254; .428; .402; .649; .731; .849; .901; .028; .243; .596; .778; .005; .193; .247; .434; .794; .894; .818; .131; .332; .534; .859; .875; .400; .604; .677; .311; .654; .829; .859; .273; .300; AC; .371; .564

Protective Devices: Type, Location and Number — ALL GUARDRAILS METAL ON METAL UNLESS OTHERWISE NOTED: 70.17; 70.33; .401; .594; .649; .849; .072; .243; .488; .796; .005; .178; .350; .463; .551; .831; .894; .186; .203; .250; .328; .527; .618; .724; .807; .601; .669; .690; .858; .279; .431; .481; .669; .727; .784; .696; .795; .300; .500

Illumination: Type, Location and Number

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62): C; A; B; A

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45): B; .748; A; .787; B; .246; C; .748; B; .276; A; .728; B; .098; A; .236; B; .143; C; .143; .236; B; .143; A; .748; B; .710; A; .787; B; .098; A; .710; B; .749; C; .787; B

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (99999)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: ROLLING (2); .339; .553

Speed: 1–Design, 2–Posted: 45 MPH (2); .439; 55 MPH (2); .587; 45 MPH (2); .693; 55 MPH (2) (MINIMUM 40)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0011 09362

HPMS Sections – AADT 2020: 3,872

HPMS Sections – AADT 2019: 4,800

HPMS Sections – AADT 2018: 3,900

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4)

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

Previous Projects: Project No., Date and Limits

COUNTY (P–1829) 1974; 70.07; COUNTY (P–1957) 1974; 72.46; COUNTY (P–1957) 1977; 73.23; 11E–01–75, 1976; 75.44; 11EF–01–93M, (R), 1976; 78.94; 11D–01–79M (RESURF.) 1979; COUNTY (P–2129) 1977; COUNTY; 78.90; BF–01–(3) 1959; 823 + 00; 705 + 00; 623 + 00

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
5/06	G.N.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
1/13	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
2/18	D.B.
11/18	D.B.
12/19	D.B.
12/20	E.P.J.

ROAD INVENTORY
HAWAII RTE 11
MAMALAHOA HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
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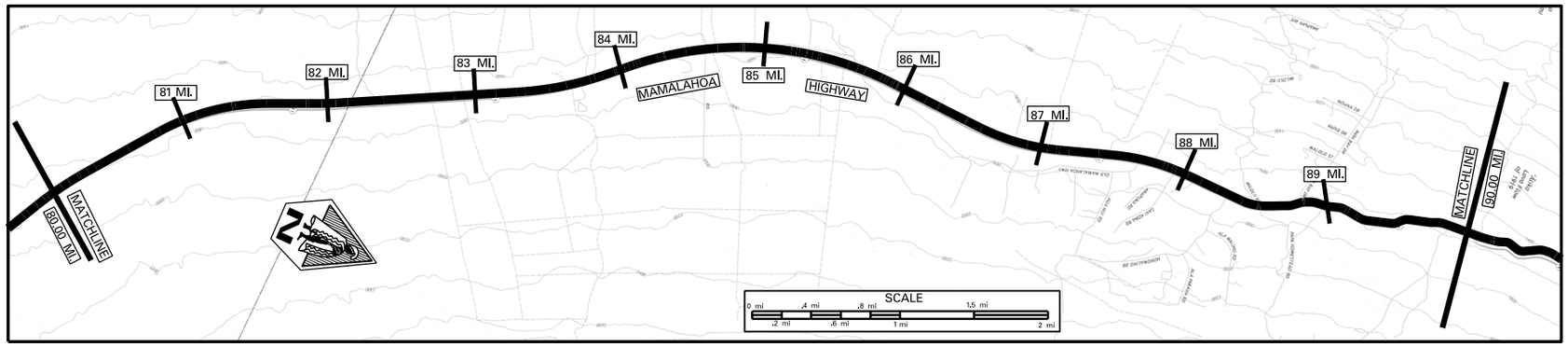
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 121.970 miles
- a. Survey Length: 121.970 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 D (9.85 MI.); END 11C – BEGIN 11D ON MAMALAHOA HWY AT THE CENTERLINE INTERSECTION WITH MILOLII ACCESS ROAD.; 11 C (12.43 MI.)

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

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: (80'–100'); 80'; 80'; 90'; 80'; 90'; 80'; 80'–120'; 80'; 80'–105'; 80'; 80'–150'; 80'–95'; 80'–90'; 50'

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

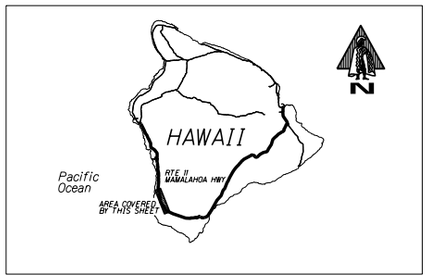
Right of Way Fence: Type – Right and Left: (ROCK WALL); (STONEWALL 20' FROM E.P.); (STONEWALL 20' FROM E.P.); RUBBLE WALL 20' FROM E.P. / FENCE; RUBBLE WALL 20' FROM E.P. / FENCE

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE; (112 = 70)

Project No., Type of Construction, and Year Constructed: HSIP-011-1(25), SAFETY IMPRV., 2010

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



Road Diagram
* MP=Milepost Signage

CONTINUED FROM SHEET #8

MANUKA PARK ENTRANCE; DISTRICT OF SOUTH KONA (R) KAU (L) 82.34 MI.; LEAVING MANUKA (L) NATURE AREA RESERVE; OLD MAMALAHOA HWY. (L) DRIVEWAY (R); OLD MAMALAHOA HWY. KAPUA MAUKA ROAD; OLD MAMALAHOA HWY; OLD MAMALAHOA HWY; OLD MAMALAHOA HWY; POWER SUB-STATION; OLD MAMALAHOA HWY; PAIHI DRIVE; ENTRANCE TO KAMES STEWART RANCH; AINA LANI RD.; OHANA RD.; HOOPULOA FARMS ROAD; OLD MAMALAHOA HWY; LANI KONA RD.; HONOMALINO RD.; PAPA HOMESTEAD RD.(R) MILOLII RD.(L); PAPA BAY DRIVE; PAPALANI PLACE; ROAD; C.O. YEE HOP RANCH

MAMALAHOA HWY

81 MP; 82 MP 132 KM; 83 MP; 84 MP; 85 MP; 86 MP; 87 MP 140 KM; 88 MP; 89 MP; 90 MP

80.637 MI.; 80.816 MI.; 81.684 MI.; 82.342 MI.; 82.683 MI.; 82.656 MI.; 83.011 MI.; 83.834 MI.; 83.704 MI.; 83.683 MI.; 84.090 MI.; 84.743 MI.; 84.677 MI.; 84.960 MI.; 85.160 MI.; 85.709 MI.; 85.680 MI.; 86.033 MI.; 86.402 MI.; 86.680 MI.; 86.829 MI.; 87.083 MI.; 87.490 MI.; 87.681 MI.; 87.656 MI.; 87.933 MI.; 88.318 MI.; 88.574 MI.; 88.674 MI.; 88.821 MI.; 88.989 MI.; 89.305 MI.; 89.656 MI.; 89.866 MI.

CONTINUED ON SHEET #10

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided
- Shoulder: Width and Type: 6' BP; 6' BP
- Pavement: Width and Type: 20'–22' AC; 21'–23' AC; 20'–22' AC; 18'–20' AC
- Shoulder: Width and Type: (EDGELINE MILLED RUMBLE STRIP); 0'–6' GRASS; 8' AC; 0'–6' AC; (EDGELINE MILLED RUMBLE STRIP); 2'–8' GRAVEL; 8' AC; 2'–8' GRV.
- Median: Width and Type: (RAISED PAVEMENT MARKER CENTERLINE RUMBLE STRIP); (CENTERLINE MILLED RUMBLE STRIP)
- Median Barriers:
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type

Number of Traffic Lanes: 2–(10'–11'); 1–(11'–12'); 1–(10'–11'); 2–(10'–11'); 2–(9'–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 GUARDRAILS METAL ON METAL UNLESS OTHERWISE NOTED

Illumination: Type, Location and Number

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62): A; CA CAC ACA C A C A DC A B A

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45): B C B A C A B C B C B B A B A B B A C A B D C B C B

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (99999)

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0011 09362

HPMS Sections – AADT 2020: 3,872

HPMS Sections – AADT 2019: 4,800

HPMS Sections – AADT 2018: 3,900

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4)

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

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

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2001

Revised	
Feb 06	D.B.
6/06	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
1/13	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/19	D.B.
12/20	E.P.J.

ROAD INVENTORY
HAWAII RTE 11
MAMALAHOA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 121.970 miles
a. Survey Length: 121.970 miles
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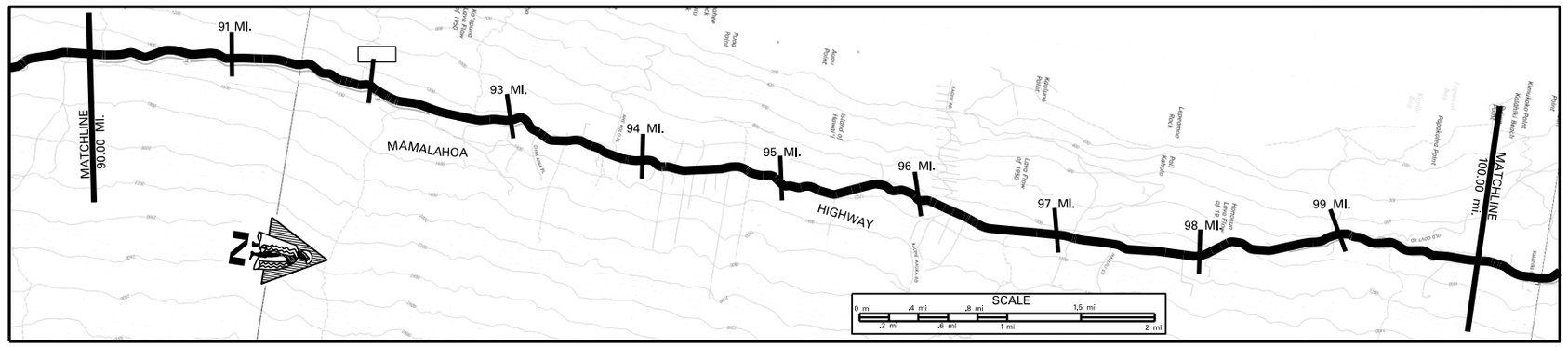


SCALE: (In Miles) 2" = 1 mile

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

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

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

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

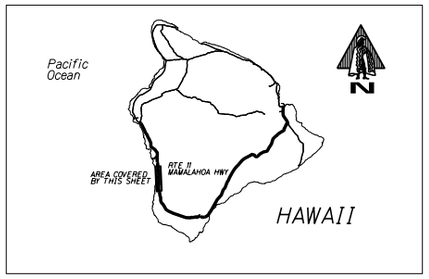
Right of Way Fence: Type – Right and Left: (STONE WALL 20' FROM EDGE OF PAVMT) | RUBBLE WALL | (RUBBLE WALL) | FENCE | STONE WALL 20' FROM EDGE OF PAVEMENT

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

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

Project No., Type of Construction, and Year Constructed: HSIP–011–1(25), SAFETY IMPRV., 2010 | STP–011–1(026), PAVEMENT PREVENTIVE MAINTENANCE, 2013 | 11BC–01–01M, (RESURFACE), 2004

Project No., Type of Construction, and Year Constructed: HWY–H–02–15M, 2017 | STP–0100(31), (IMPROV.), 1994 | 11BC–01–89M, (R), 1989



Road Diagram
* MP=Milepost Signage

CONTINUED FROM SHEET #9.

"ELEV. 1500 FT. - 457 M." SIGN (L) (R) | NAUPAKA AREA NATURAL AREA RESERVE (R) | KIPAHOEHOE NATURAL AREA RESERVE (L) | PAVED ROAD | OHIA MALU RD. | CONC. ROAD CONC. ROAD | CONC. ROAD | AHE KOLO PL. | CONC. ROAD | CONC. ROAD | ACCESS TO SEA RANCH | PAVED ROAD | KAOHE MAUKA KAOHE RANCH KAOHE ROAD | KAPAKAKAPA PL. | CONC. ROAD | HALELI ROAD | PAVED ROAD | "SOLID WASTE" WAIKA RUBBISH DUMP

MAMALAHOA HIGHWAY

CONTINUED ON SHEET # 11

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided:
Shoulder: Width and Type (EDGELINE MILLED RUMBLE STRIP)
Pavement: Width and Type
Shoulder: Width and Type (EDGELINE MILLED RUMBLE STRIP)
Median: Width and Type (CENTERLINE MILLED RUMBLE STRIP)
Median Barriers:
Shoulder: Width and Type
Pavement: Width and Type
Shoulder: Width and Type

Number of Traffic Lanes: 2–(9'–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 GUARDRAILS METAL ON METAL UNLESS OTHERWISE NOTED
Illumination: Type, Location and Number
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)
Superelevation (Range)
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: RURAL (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: MOUNTAINOUS (3)
Speed: 1–Design, 2–Posted: 35 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Cuurent Year): B71 0011 09362
HPMS Sections AADT 2020: 3,872
HPMS Sections AADT 2019: 4,800
HPMS Sections AADT 2018: 3,900
DOD Sections
Census Tracts
Functional Classification: MINOR ARTERIAL (4)
National Highway System (NHS): NOT ON NHS (0)
Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
6/06	D.B.
9/10	D.B.
2/12	D.B.
9/12	E.P.J.
1/13	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/19	D.B.
12/20	E.P.J.

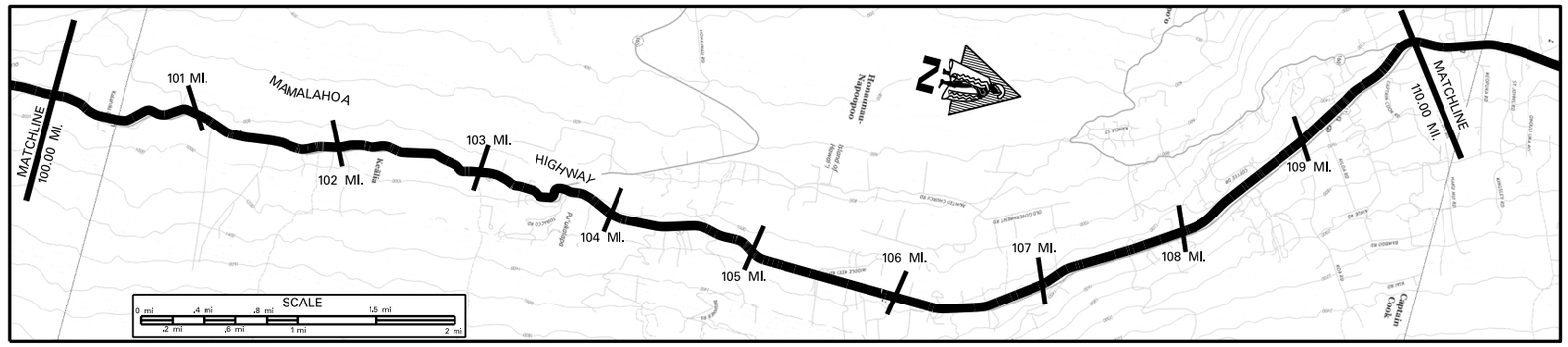
ROAD INVENTORY
HAWAII RTE 11
MAMALAHOA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 121.970 miles
a. Survey Length: 121.970 miles
b. Proposed Length: 0.00 miles
c. Other Length: 0.00 miles

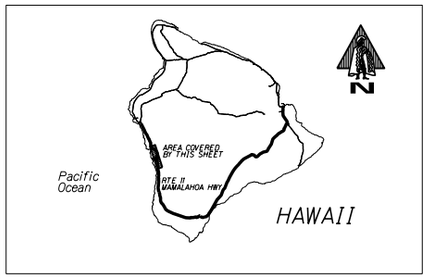


SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description: 11 C (12.43 MI.); END 11 B – BEGIN 11 C ON MAMALAHOA HWY @ THE CENTERLINE INTERSECTION WITH HOOKENA BEACH ROAD.; 11 B (14.50 MI.)

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

Right of Way Width (min.–max.) if varies: 50'; 50'–60'; 60'
Available Right of Way Width (Needs Study): BRUSH & LARGE TREES; RESIDENTIAL AREA
Right of Way Fence: Type – Right and Left: STONE WALL 20' FROM EDGE OF PAVEMENT; 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; STATE (TRANSFER C to S 12/7/21)
Project No., Type of Construction, and Year Constructed: 11BC–01–01M, (RESURFACE), 2004; 11B–01–96M, (RESURFACE), 1998
Project No., Type of Construction, and Year Constructed: 11BC–01–89M, (R), 1989; 11BC–01–90, (IMPRV.), 1991; (11BC–01–90, (IMPRV.) 1991); 11B–01–86M, (R), 1986; STATE (TRANSFER C to S 12/7/21)



Road Diagram
* MP=Milepost Signage

CONTINUED FROM SHEET #10

CULVERT; HOOKENA BEACH RD.; KEALANUI O'AO'I RD.; HOOKENA SCHOOL RDS; ROAD; ROAD; POWER SUB STATION; KILAE RD.; ROAD TO CITY OF REFUGE (KEALAKEKUA RTE 160); DOD 785; DOD 790; 000' 285 M ELEV. (L)&(R) 103.700 MI.; TELEMETRY STA. TOE STA. THWAY S.KONA BASEYARD; TELEGRAPH EXCHANGE RD.; MIDDLE KE'EI RD.; ROAD HONAUNAU ELEM. SCH. RD./ HO'OLALA RD; NANAINA LANI PL.; CULVERT GOVERNMENT MAIN RD.; KALAMALANI PL. ELEV. 455 M ELEV. (L)&(R); ANOI PLACE GOVERNMENT MAIN RD.; KEALOA ROAD (END STATE HWY SIGNS) VILLAGE RD. KOA RD.; END DIV. HWY KINUE RD. KAMAKANI ST.; END DIV. HWY CAPTAIN COOK RD. BEG. DIV. HWY

MAMALAHOA HWY

CONTINUED ON SHEET #12

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided:
- Shoulder: Width and Type: 4' AC; 3' AC; 4' AC; 3' AC; 6' AC; 6' AC; 4' GRASS
- Pavement: Width and Type: 18'–20' AC; 20' AC; 10' AC; 18'–20' AC; (9'–10' AC); (18'–20' AC)
- Shoulder: Width and Type: 4' AC; 3' AC; 3' AC; 6' AC; 0; 2' AC; 0; 3'–15' GRASS
- Median: Width and Type: (10'–10' GRASS); (2'–4' AC); (PAINTED MEDIAN 0–10'); (PAINTED MEDIAN 0–6')

Divided Highway – Median Barriers:
- Shoulder: Width and Type: 0; 0
- Pavement: Width and Type: 10' AC; (9'–10' AC)
- Shoulder: Width and Type: 8' AC; (4' AC)

Number of Traffic Lanes: 2–(9'–10'); 2–10'; 2–(9'–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): 4' AC SW; 7' AC SW; AC SW; 4' CONC. SW; 6' C. SW
Curb and/or Gutter: Type (Right and Left): AC CURB; AC CURB; AC C.; C. C.; CONC. CURB
Protective Devices: Type, Location and Number — ALL GUARDRAILS METAL ON METAL UNLESS OTHERWISE NOTED
Illumination: Type, Location and Number: FLASHING SCHOOL SPEED LIMIT SIGNS; 1 MV; 20 MV
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)
Superelevation (Range)
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: RURAL (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: MOUNTAINOUS (3); ROLLING (2)
Speed: 1–Design, 2–Posted: 35 MPH (2); 45 MPH (2); 35 MPH (2); 45 MPH (MINIMUM 30 MPH) (2); 45 MPH (2); 30 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year): B71 0011 09362; B71 0011 10280; P71 0000 00T6E; B71 0011 10969
HPMS Sections – AADT 2020: 3,872; 5,227; 7,400; 10,745
HPMS Sections – AADT 2019: 4,800; 6,700; 7,600; 14,600
HPMS Sections – AADT 2018: 3,900; 6,874; 7,200; 13,100
DOD Sections
Census Tracts
Functional Classification: MINOR ARTERIAL (4); PRINCIPAL ARTERIAL (3)
National Highway System (NHS): NOT ON NHS (0); ON NHS (1)
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; NRH 8–E, 1936; WPH 8–F, 1936; COUNTY; FAP 8–G, 1937; COUNTY; FAP 8–C, 1931; FAP 8–D, 1931; NRH 8–E, 1935; WPH 8–F, 1935; COUNTY EXCEPTION; WPH 8–F, 1935; PROJ. #8–G; (650 = 96.70)

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
6/06	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
1/13	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/19	D.B.
12/20	E.P.J.

ROAD INVENTORY

HAWAII RTE 11

MAMALAHOA HWY, KUAKINI HWY, QUEEN KAAHUMANU EXT.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

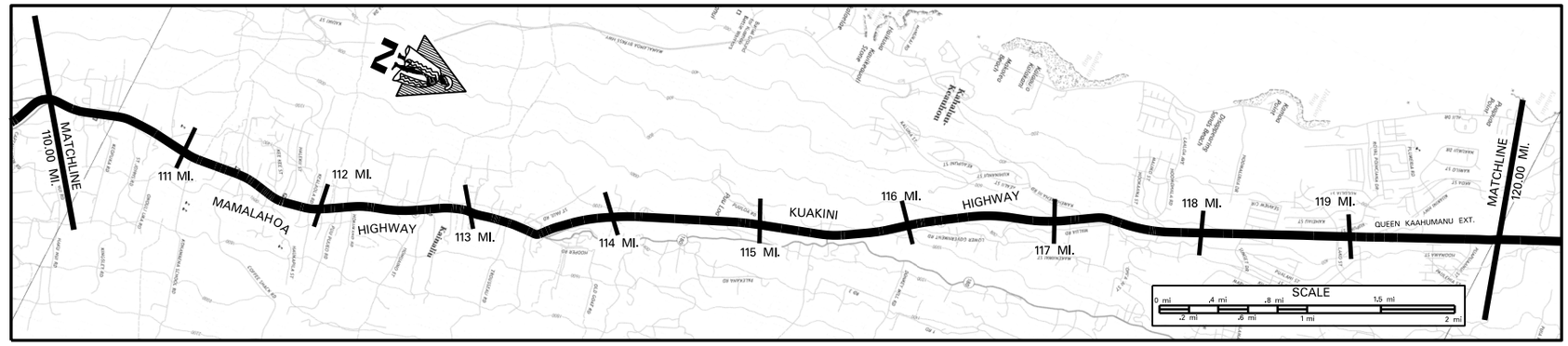
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 121.970 miles

a. Survey Length: 121.970 miles

b. Proposed Length: 0.00 miles

c. Other Length: 0.00 miles



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

Structure Over Road: Vertical Clearance; Horizontal Clearance

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

Available Right of Way Width (Needs Study)

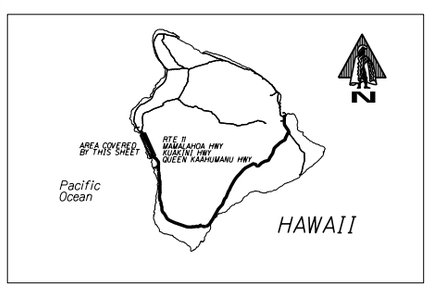
Right of Way Fence: Type – Right and Left

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

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

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed



Road Diagram

* MP=Milepost Signage

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided: Shoulder: Width and Type; Pavement: Width and Type; Shoulder: Width and Type

Median: Width and Type

Median Barriers:

Shoulder: Width and Type; Pavement: Width and Type; Shoulder: Width and Type

Number of Traffic Lanes

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

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

Illumination: Type, Location and Number

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Speed: 1–Design, 2–Posted

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

HPMS Sections – AADT 2020

HPMS Sections – AADT 2019

HPMS Sections – AADT 2018

DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
6/06	D.B.
2/08	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
1/13	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/19	D.B.
12/20	E.P.J.

ROAD INVENTORY
HAWAII RTE 11
QUEEN KAAHUMANU EXT.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

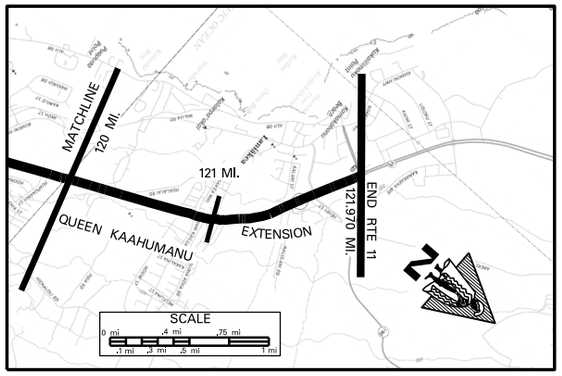
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 121.970 **miles**

a. Survey Length: 121.970 **miles**

b. Proposed Length: 0.00 **miles**

c. Other Length: 0.00 **miles**



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed: 5 CELL BOX CULVERT 1884, HS-20-44

Structure Carrying Road — Vertical Clearance: 15'

Structure Carrying Road — Horizontal Clearance:

Structure Over Road — Vertical Clearance:

Structure Over Road — Horizontal Clearance:

Right of Way Width (min.-max.) if varies: 170'-450'; 210'; 300'; 110'; 170'; 210'; 220'-250'

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

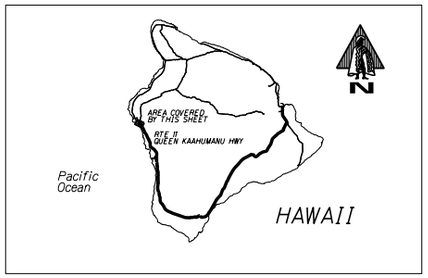
Right of Way Fence: Type - Right and Left: (11A-01-04M, RESURF, 2010)

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE; (11A-01-02 Inter Imp 2005); 115 + 00

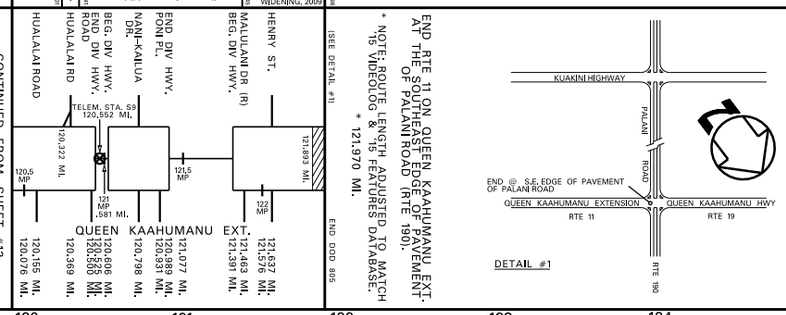
Project No., Type of Construction, and Year Constructed: 193 + 00; 187 + 50; 425 + 93.66; 495 + 30

Project No., Type of Construction, and Year Constructed: (F-011-1(4), (NEW ALIGNMENT), 1984); F-011-1(4), (NEW ALIGNMENT), 1984; NH-019-01(20), WIDENING, 2009



Road Diagram

* MP=Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided — Shoulder: Width and Type: 10' AC; 6' AC BIKE LANE

Pavement: Width and Type: 11'-12' AC; (22'-24' AC); 12' AC; 22'-24' AC; 22'-24' AC

Shoulder: Width and Type: 0; (10' AC); 0; 10' AC; 0; (2' AC)

Median: Width and Type: 0-18' PAINTED AC; 0-12' PAINTED AC; 0-32' PAINTED AC; (14' GRS (RAISED))

Median Barriers:

Shoulder: Width and Type: 0; 0; 0; (2' AC)

Pavement: Width and Type: 11'-12' AC; 12' AC; 22'-24' AC

Shoulder: Width and Type: 10' AC; 10' AC; 10' AC; (6' AC BIKE LANE)

Number of Traffic Lanes: 2-(11'-12'); 4-(11'-12')

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

(Right Side): (ALL 12' TLs)

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): C. G.; C. G.; C & G; C & G

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

Illumination: Type, Location and Number: 4 LPS - LOW PRESSURE SODIUM

Curves Class: +/- Degree (A(0-3.45) B(3.45-5.44) C(5.44-8.48) D(8.48-13.85) E(13.85-28.62) F(<28.62): A

Superelevation (Range)

Grades Class: +/- % (A(0-.45) B(.45-2.45) C(2.45-4.45) D(4.45-6.45) E(6.45-8.45) F(<8.45): B; C; B; C; B

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: SMALL URBAN (99998)

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

Speed: 1-Design, 2-Posted: 45 MPH (2); 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0011 11975; B71 0011 12038; P71 0000 000S9

HPMS Sections - AADT 2020: 20,038; 19,747; 24,300

HPMS Sections - AADT 2019: 25,900; 25,200; 25,400

HPMS Sections - AADT 2018: 25,958; 21,300; 25,100

DOD Sections

Census Tracts

Functional Classification: PRINCIPAL ARTERIAL (3)

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

Previous Projects: Project No., Date and Limits: F-011-1(4), (NEW ALIGNMENT), 1984

SCALE: (In Miles) 2" = 1 mile

Date Released	
Feb 2006, D.B.	
Revised	
6/06	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
1/13	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/19	D.B.
12/20	E.P.J.

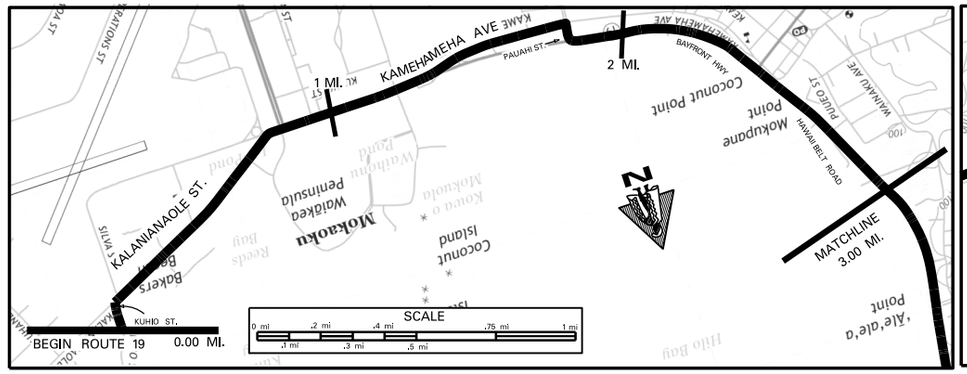
ROAD INVENTORY
HAWAII RTE 19
KUHIO ST., KALANIANAOLE ST., KAMEHAMEHA AVE., PAUAHI ST., BAY FRONT HWY, HAWAII BELT ROAD

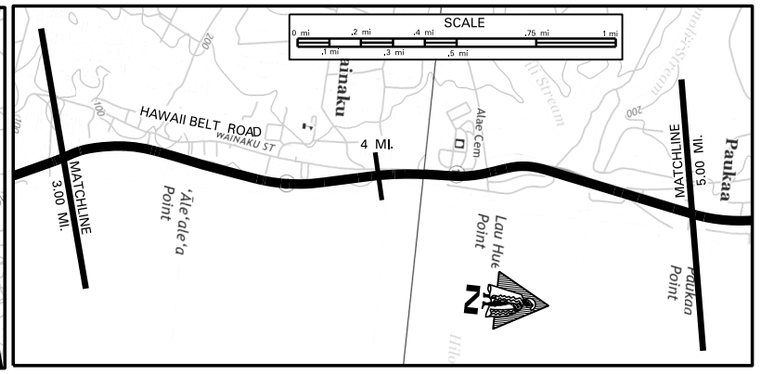
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 99.526 miles
a. Survey Length: 99.526 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*



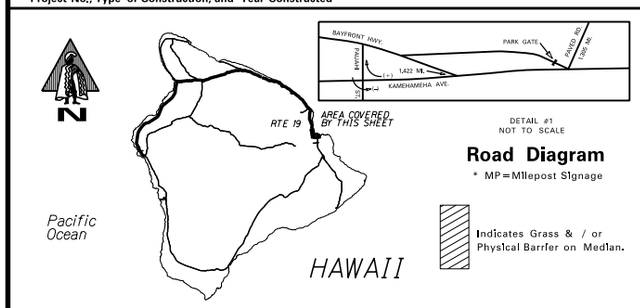


SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description: END 19L SAME AS BEGIN RTE 19 — 19L (2.57 MI.) — END 19K AND BEGIN 19L AT N.W. END OF WAILUKU BR. (2.57) — 19K (1.63 MI.) — END 19J AND BEGIN 19K AT ALAE CEM. ACCESS RD. (4.20) — 19J (10.76 MI.)

Structure Carrying Road — Structure Over Road

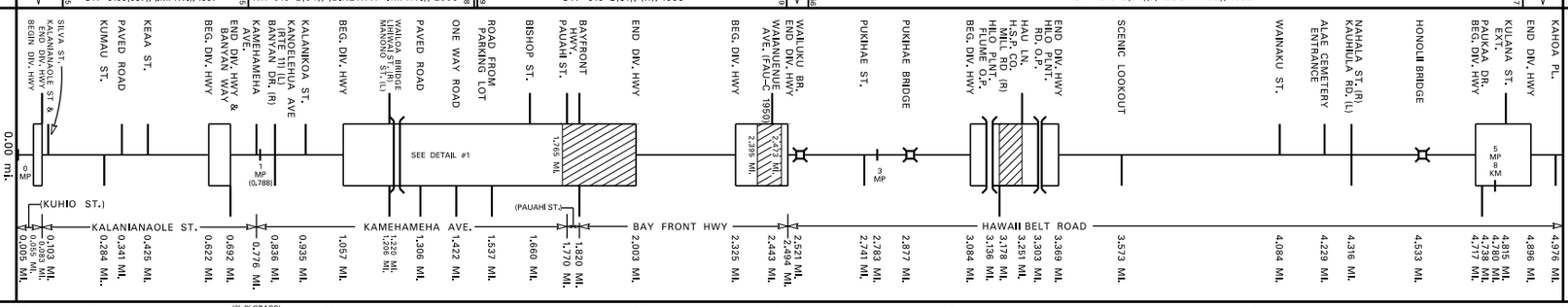
Bridges (Over 20'): Length, Type, Capacity and Year Constructed	PRE-STRESSED CONC. GIRDER 1993, HS-20-44 152' (1.23); STEEL MULTISTRINGER 1950, H20 442' (2.50); TEE BEAM 1949, H20 146' (2.94); CONCRETE TEE BEAM 1936 H15 544' (4.49)
Vertical Clearance	
Horizontal Clearance	106' (1.07); 28' (2.50); 28' (2.94); 24' (4.49)
Vertical Clearance	23'-02" (3.09); 18'-02" (3.21)
Horizontal Clearance	57' (3.09); 44' (3.21)
Right of Way Width (min.-max.) if varies	75'-120' (2.29–3.43); 70'-261' (3.43–4.20)
Available Right of Way Width (Needs Study)	
Right of Way Fence: Type – Right and Left	
Control of Access: 1–None, 2–Partial, 3–Full	NONE (0.00–0.84); PARTIAL (0.84–2.96); NONE (2.96–4.20)
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	STATE (STATE (TRANSFER C to S 12/7/21) 0.00–0.70); STATE (STATE (TRANSFER C to S 12/7/21) 0.70–1.24); STATE (1.24–1.83); 76 + 50 / 39 + 50 STATE (2.67–3.36); STATE (3.36–4.20)
Project No., Type of Construction, and Year Constructed	(STP-019-2(32), (RESURFACE)); (BR-F-019-2(27), 1993 BRIDGE REPLACEMENT); (SDR 3(8), 1950); BR-019-2(50), 2009, OVERPASS REMOVAL; (19J-01-97M, (R), 1999)
Project No., Type of Construction, and Year Constructed	STP-0100(037), (IMPRV.), 1997 (0.15–0.75); NH-019-2(54), (BIKEWAY IMPRV.), 2003 (0.75–1.48); STP-019-2(31), (R), 1995 (1.48–2.66); STP-019-2(34), (RESURFACE), 1998 (2.66–4.20)



Road Diagram
* MP = Milepost Signage

Indicates Grass & / or Physical Barrier on Median.

BEGIN ROUTE 19 ON KUHIO STREET AT THE ENTRANCE TO KUHIO WHARF. 0.00 mi.



SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type	(6' GRS.) 25' GRASS; 6'-15' GRASS (4'-6' AC); 5' AC SHLDR. / BIKELANE; 2'-4' AC; 8'-20' AC; 0'-1' AC; 8' AC; 30' AC (0'-1' AC); 4' AC; 8' AC (6' AC)
Pavement: Width and Type (ALL PAVEMENT AC)	28' (16'); 28'; 12' 26' 26' 12'; 45'; 24' AC; 28' AC; 12' AC; 32' AC (20' AC); 12' AC; 24' (38'); 12' 27' 12'; 24' (22' AC); 12' AC; 24' AC
Shoulder: Width and Type	(6'-8' GRASS); 0 0 0; 16' 10' 16' AC 0.5' 0.5' 0.5' GRS.; 8'-12' GRS.; 0 16' AC 0.5' 0.5' 5' AC SHLDR. / BIKELANE; 0; 1' AC; 8' AC; 8' AC; 0; 1' AC; 4' AC; 0; 4' AC; 0; 6' AC
Median: Width and Type	(0'-12' PAINTED); 0'-20' PAINTED AC; 0'-20' RAISED GRASS; (0'-14' PAINTED AC); 2'-12' RSD GRSS; (0'-6' PAINTED AC) (0'-19' PAINTED AC); (12'-15' AC CURB); 0'-12' PAINTED AC
Median Barriers:	(0'-8' PAINT)
Shoulder: Width and Type	0; 0; 0; 1' AC; 0; 1' AC; 0 0; 0; 0
Pavement: Width and Type (ALL PAVEMENT AC)	(15'); 12'; (1'-13') (1'-11') (1'-11') (1'-12'); 22' AC; 11' AC 20' AC; 20' AC 16' AC; 26' M/M; 12' AC
Shoulder: Width and Type	0; (8'-16' AC); 5' AC SHLDR. / BIKELANE; 8' AC; 0'-1' AC; 2' AC; 8' AC 5' AC; 4' AC; 8' AC
Number of Traffic Lanes	(2-14') (1'-16') (1'-15'); 2-14'; (1'-12') (1'-12'); 1-14'; 2-12'; 2-14'; 1-12' 1-20' 1-16'; 2-12'; 1-12' 3.05 .155 2-13'; 3.43; (2-11') 4.09; 2-12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	11' TL; 2-12' TLs; 12' TL; 11' TL
(Right Side)	12' TL; 12' T.L.; 10' T.L.; 11' TL; 10' T.L.s; 12' TL; 12' ACC. LN.
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	8' C. SW; 7' CONC. SW; 5' C. SW; 4' C. SW .878 .911; 3' C. SW .874 .907; 4' C. SW .632 .639
Curb and/or Gutter: Type (Right and Left)	C. C.; C.&G.; 3' AC SW; AC C.; 4' C. SW; CONC. CURB; 8' C. SW; 4' C. SW; C. C.; C. C.; C. C.; C. C.; AC C.
Protective Devices: Type, Location and Number (ALL METAL ON METAL (UNLESS NOTED OTHERWISE))	METAL RAIL; METAL RAIL; WOOD ON WOOD; K-RAIL
Illumination: Type, Location and Number	
Curves Class: +/- Degree (A(0-3.45) B(3.45-5.44) C(5.44-8.48) D(8.48-13.85) E(13.85-28.62) F(< 28.62)	A; E B C; A; B; A; FAF AB; A; B; A; B; A
Superelevation (Range)	
Grades Class: +/- % (A(0-.45) B(.45-2.45) C(2.45-4.45) D(4.45-6.45) E(6.45-8.45) F(< 8.45)	B; A; B; A; B; A; B; A; B; A; C; A
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	SMALL URBAN (99998); RURAL (99999)
Terrain: 1-Flat, 2-Rolling, 3-Mountainous	FLAT (1); ROLLING (2)
Speed: 1-Design, 2-Posted	25 MPH (2); 35 MPH (2); 45 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	3 PHASE
Traffic Stations (Current Year)	B71 0019 00000; B71 0019 00029; B71 0019 00093; B71 0019 00166; B71 0019 00183; B71 0019 00245; B71 0019 00612
HPMS Sections - AADT 2020	710; 14,040; 15,100; 22,000; 9,500; 15,100; 10,358
HPMS Sections - AADT 2019	2,800; 15,000; 17,102; 23,200; 8,500; 15,600; 13,600
HPMS Sections - AADT 2018	2,257; 2,900; 13,100; 16,800; 24,200; 10,978; 14,500; 13,200
DOD Sections	
Census Tracts	
Functional Classification	PRINCIPAL ARTERIAL (3)
National Highway System (NHS)	ON NHS (1)
Previous Projects: Project No., Date and Limits	STP-019-2(32), (R), 1996; BR-F-019-2(27), (BR. REPLACEMENT), 1993; STP-0100(037), (IMPRV.), 1997; 19L-01-92M, (R), 1982; 0.15-(19L-01-82M, (R), 1982); 19L-01-79M, (R), 1979; SDR-2(2), 1951; (SDR 3(8), 1950)— 2.49; 132 + 42; 19 K-01-72, (R), 1972; 19K-01-85M, (RESURFACE), 1985; 19JK-01-70 (RESURFACE & REHABI 1971; 19J-02-88M, (R), 1988; COUNTY TO STATE (PHASE 1); 60 + 00; 0 + 00; 86 + 64; SDR 3(1), 1948; SDR-3(4), 1950

SCALE: (In Miles) 4" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
6/06	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
1/13	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

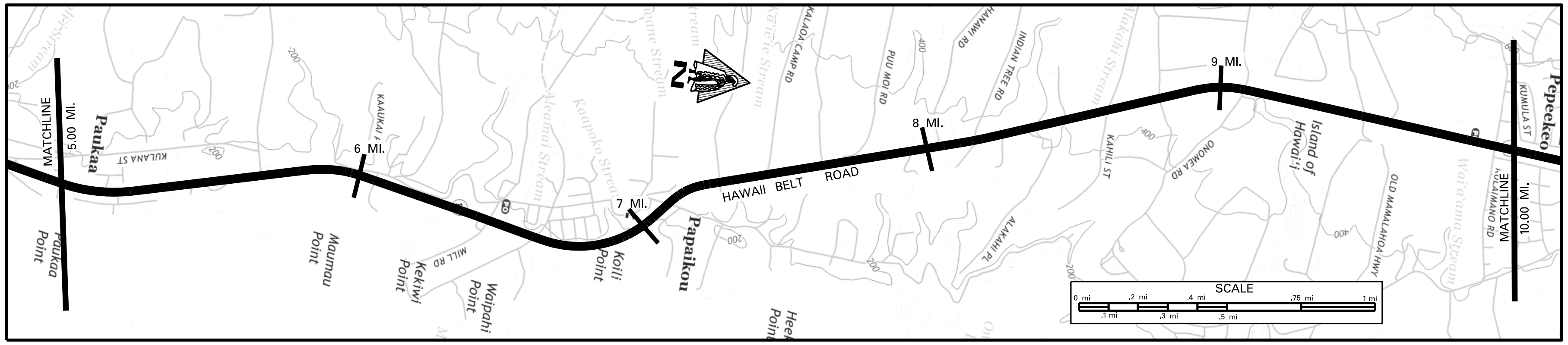
ROAD INVENTORY
HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

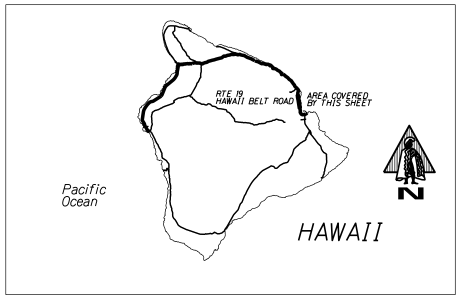
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

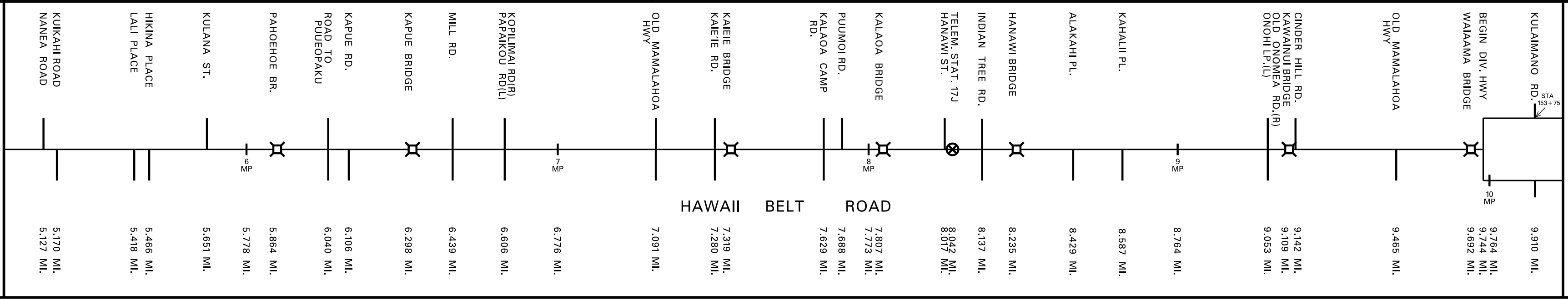
Total Route Length: 99.526 miles
a. Survey Length: 99.526 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*



SCALE: (In Miles) 4″ = 1 mile	5 · 6 · 7 · 8 · 9 · 10
Maintenance Control Sections : Length and Description	19J (10.76 MI.)
Structure Carrying Road – Bridges (Over 20′): Length, Type, Capacity and Year Constructed	CONC. MASONRY ARCH HS–20, 1912, (1967) 49′ (5.82); STEEL GIRDER & FLOOR BEAM H–20, 1950 415′ (6.27); PRESTRESSED BEAM HS–20, 1967 210′ (7.29); PRESTRESSED BEAM HS–20, 1967 145′ (7.77); PRESTRESSED BEAM HS–20, 1968 424′ (8.20); STEEL GIRDER & FLOOR BEAM H–20, 1948 71′ (9.08); PRESTRESSED BEAM 1968, HS–20 198′ (9.66)
Vertical Clearance	
Horizontal Clearance	24′ (5.82); 28′ (6.27); 28′ (7.29); 28′ (7.77); 28′ (8.20); 24′ (9.08); 28′ (9.66)
Structure Over Road – Vertical Clearance	15′ 11″ (7.04)
Horizontal Clearance	42′ (7.04)
Right of Way Width (min.–max.) if varies	70′–261′ 5.14 70′–125′ 5.53 100′–250′ 7.90 80′–135′
Available Right of Way Width (Needs Study)	(SUGAR CANE)— 9.65 9.69 RESIDENTIAL
Right of Way Fence: Type – Right and Left	
Control of Access: 1–None, 2–Partial, 3–Full	NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	82+50 STATE
Project No., Type of Construction, and Year Constructed	6.20 19J–01–10,SAFETY IMPROV.,2015 7.31; .734 NH–019–2(067) RESURFACING 2017
Project No., Type of Construction, and Year Constructed	19J–01–97M, (R), 1999 7.08 16+00 STP–019–2(35), (RESURFACE), 1997 144+50



Road Diagram
* MP=Milepost Signage



SCALE: (In Miles) 4″ = 1 mile	5 · 6 · 7 · 8 · 9 · 10
Undivided – Shoulder: Width and Type	6′ AC 5.25 5′ AC 5.31 6′ AC 5.47 5′–10′ AC 6.46 6′ AC 6.67 5′–8′ AC 5′ AC 8′–14′ GRASS/GRAVEL 8.04 4′ AC 8.41 8′–18′ GRAVEL 8.92 5′ AC 9.03 9.08 6′ GRS (8′ GRV.) 9.17 11′–19′ GRAVEL 9.54 3′ AC 15′–25′ AC/GRV 6′ AC 9.98 (2′–4′ AC)
Pavement: Width and Type	24′ AC 7.08 7.17 7.22 7.29 22′ AC 8.31 35′ AC 8.88 22′ AC 9.60 9.65 12′ AC
Shoulder: Width and Type	6′ AC 6.06 5′ AC 6.18 6′ AC 5′ AC 5′ AC 8′–12′ GRASS/GRAVEL 8.21 4′–6′ AC 8.45 6′–15′ GRAVEL 9.08 6′ GRS 9.17 18′–23′ GRAVEL 9.54 3′ AC 13′ AC 0
Divided Highway – Median: Width and Type	.390 MILLED CL RUMBLE STRIP (8′–10′ GRASS) .292 10′–15′ AC/GRV .744 (0′–12′ PAINTED MEDIAN)
Median Barriers:	
Shoulder: Width and Type	0
Pavement: Width and Type	12′ AC
Shoulder: Width and Type	6′ AC 9.97 (8′–18′ GRAVEL)
Number of Traffic Lanes	2–12′ 7.06 2–11′ 8.31 2–11′ 8.88 2–11′ 2–12′
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	(10′ TL) .971
(Right Side)	.328 .869 .807 .910
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	4′ C. SW .299 .384 .446 .476 6′ AC SW; 4′ C. SW .299 .383; (.316, C.C., .362) .316 .362 4′ C. SW; (.316, C.C., .362) .316 .361 2′ C. SW; 2′ C. SW .804 .837; 2′ C. SW .804 .837; 2′ C. SW .232 .317; 2′ C. SW; .109 .125 3′ C. SW; .108 .125 3′ C. SW; .689 .732 2′ C. SW; .690 .732 2′ C. SW
Curb and/or Gutter: Type (Right and Left)	.213 .225 .329 .388 .557 .608 .888 .095 C. C. .299 .384 .446 .476 QWICK KURB SYSTEM; C. C. .299 .383 .404 .471 .985 .197 .239 .302 .359 .399 .442 .494 .547 .594 .629 C. C. .804 .837; C. C. .804 .837 .950 .992 C. C. .232 .317; C. C. .459 .482 .598 .652 .699 .747 .809 .832 .897 .046 .071 (.109, C. C., .125); (.108, C. C., .125) .424 .485 .530 .689 .732 C. C.; .690 .732 C. C.
Protective Devices: Type, Location and Number — ALL METAL ON METAL (UNLESS NOTED OTHERWISE)	.060 .170 .326 .398 .552 .602 .841 .895 .040 .106 .195 .268 .301 .380 .390 .400 .454 .497 .527 .531 .606 .651 .686 .853 .843 .091 .202 .241 .318 .405 .540 .579 .682 .678 .793 .792 .806 .835 .845 .847 .000 .090 .220 .221 .234 .315 .330 .335 .429 .477 .587 .734 .806 .830 .955 .001 .074 .109 .123 .226 .248 .358 .361 .458 .678 .674 .692 .730 .854 .910 .946
Illumination: Type, Location and Number	9.70 7 Low Pressure Sodium 9.98
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)	A 7.12 B 7.26 .835 A .095
Superelevation (Range)	
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)	A 5.22 B 5.79 A 5.96 B 6.06 A 6.32 B 7.33 C 7.72 B 7.78 C 8.46 D 8.55 C 8.74 B
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	RURAL (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	ROLLING (2) .650
Speed: 1–Design, 2–Posted	45 MPH (2) .648 55 MPH (2), MINIMUM 40 MPH
Intersection Control Devices: Type, Location and Cycle Timing	FLASHING WARNING LIGHTS .999 .227
Traffic Stations (Current Year)	B71 0019 00612; P71 0000 0017J; (B71 0019 00992)
HPMS Sections – AADT 2020	10,358 6.45 9,600 (8,500)
HPMS Sections – AADT 2019	13,600 10,000 (9,300)
HPMS Sections – AADT 2018	13,200 10,500 9.92 (9,439)
DOD Sections	
Census Tracts	
Functional Classification	PRINCIPAL ARTERIAL (3)
National Highway System (NHS)	ON NHS (1)
Previous Projects: Project No., Date and Limits	9.98; 144+40 9.70 (19J–01–02 IMP 2005) 159+00
	6.27 (19HJ–02–95M, (BRIDGE REPAIR), 1996) 7.29 7.77 8.20
	19J–02–88M, (R), 1988 7.08 19J–01–85M, (R), 1985 9.12 9.16 19J–01–85M, (R), 1985 9.65 19J–03–85M, (R), 1985
	19 JK–01–70, (RESURF. & REHAB), 1971 6.35 19GHJ–01–78M, PMS–0100(11), UNIT 2, RESURFACE 1978 7.78 7.81 8.21 8.29 19J–02–75, UNIT I, TRUCK CLIMBING LANE, 1979 9.04 9.11 19GHJ–01–76, (R), 1976 9.88
	SDR–3(4), 1950 6.97 (F–019–2(8), 1968) F–AF 14B(1), 1949 (19GHJ–01–76M, (R), 1976)
	125+03.70 0+00
SCALE: (In Miles) 4″ = 1 mile	5 · 6 · 7 · 8 · 9 · 10

Date Released	
Feb 2006, D.B.	
Revised	
5/06	G.N.
12/09	D.B.
2/11	D.B.
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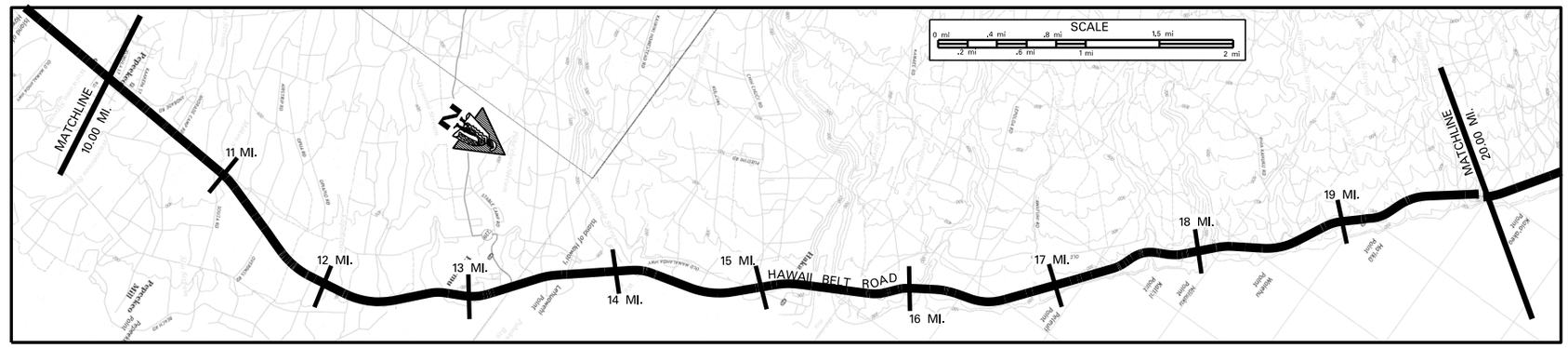
ROAD INVENTORY
HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 99.526 miles
a. Survey Length: 99.526 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; 19H (14.26 MI.)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: STEEL MULTI-STRINGER 195, H-20; STEEL GIRDER AND FLOORBEAM 1950, H-20 (225', 497'); H-20, 1953 (775'); H-20, 1952 (281'); STEEL MULTI-STRINGER; H-20, 1952 (225'); H-20, 1952 (531'); HS-20, 1952 (297'); TEE BEAM (34'); H-20, 1951 (112'); TEE BEAM 1951, H-20 (50')

Vertical Clearance: H-15, 1934

Horizontal Clearance: 28'; 28'; 28'; 28'; 28'; 28'; 28'; 24'; 28'; 28'

Structure Over Road

Vertical Clearance: 16'-04"; 16'-03"; 25'-08"

Horizontal Clearance: 42'; 42'; 38'

Right of Way Width (min.-max.) if varies: 80'-135'; 100'-430'; 100'-230'; 85'-225'; 90'-200'; (70'-160')

Available Right of Way Width (Needs Study): (RESIDENTIAL); CLEAR 1000' – SUGAR CANE 10'-20' FROM PAVEMENT; LARGE TREES & HEAVY BRUSH; RESIDENTIAL; LARGE TREES; (BRUSH AND LARGE TREES)

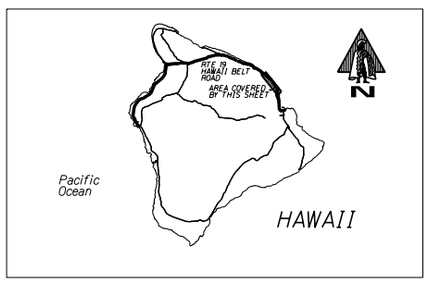
Right of Way Fence: Type – Right and Left

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

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

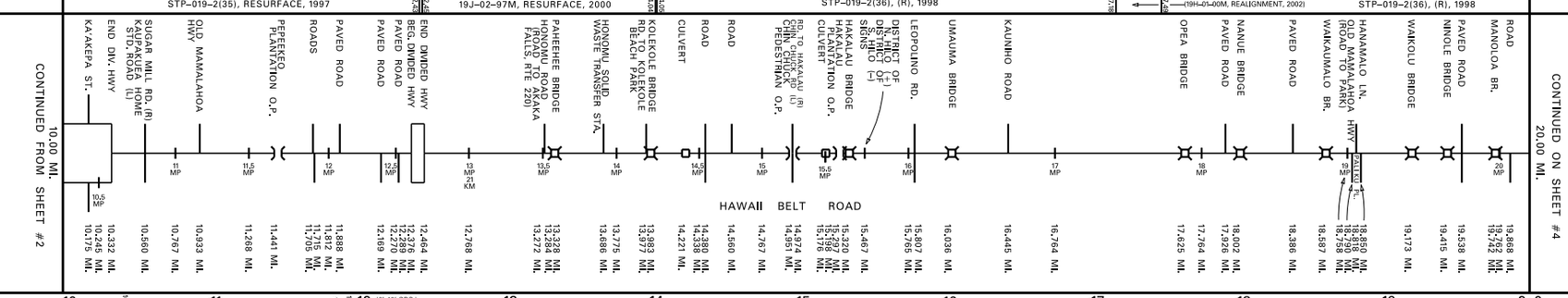
Project No., Type of Construction, and Year Constructed: (19J-02-85, TRUCK, CLIMB LN., 1987); NH-019-2(067) RESURFACE 2017; (19H-01-70, (R), 1971); (NH-019-1(37), GRD RAIL & SHLDR IMP., 2009)

Project No., Type of Construction, and Year Constructed: STP-019-2(35), RESURFACE, 1997; 19J-02-97M, RESURFACE, 2000; STP-019-2(36), (R), 1998; (19H-01-00M, REALIGNMENT, 2002); STP-019-2(36), (R), 1998



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); 15' GRV.; (7' GRV.) 2'-6' AC; 6'-12' GRV.; 5'-8' AC; 7' AC; 4'-6' DIRT; 6' AC

Pavement: Width and Type: 12' AC; 22' AC; 28' AC; 24' AC; 36' AC; 12' AC; 24' AC

Shoulder: Width and Type: 0; (6'-18' GRV.); 4'-15' GRASS; (6'-18' GRV.); 5'-12' GRS.; 7' AC; 0; 6' AC

Median: Width and Type: 0'-12' PAINTED MEDIAN; (10'-7' PAINT)

Median Barriers:

Divided Highway – Undivided

Shoulder: Width and Type: 0; 0

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

Shoulder: Width and Type: (8'-18' GRV.); 7' AC

Number of Traffic Lanes: 2-12'; 2-11'; 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)

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

Illumination: Type, Location and Number

Curves Class: +/- Degree (A(0-3.45) B(3.45-5.44) C(5.44-8.48) D(8.48-13.85) E(13.85-28.62) F(<28.62)

Superelevation (Range)

Grades Class: +/- % (A(0-.45) B(.45-2.45) C(2.45-4.45) D(4.45-6.45) E(6.45-8.45) F(<8.45)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (99999)

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

Speed: 1–Design, 2–Posted: 55 MPH (2) – MINIMUM 40 MPH; (45 MPH (2) (40 MPH MINIMUM)); 45 MPH (2); 55 MPH (2); (55 MPH (2) (40 MPH MIN.))

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0019 00992; B71 0019 03987

HPMS Sections – AADT 2020: 8,500; 6,100

HPMS Sections – AADT 2019: 9,300; 6,700

HPMS Sections – AADT 2018: 9,439; 7,387

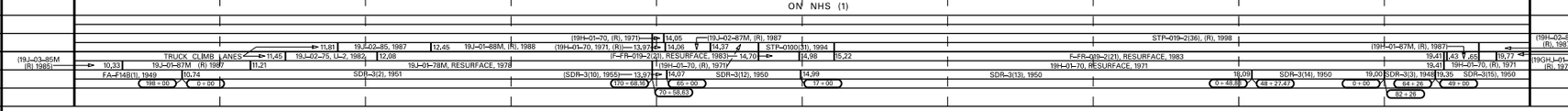
DOD Sections

Census Tracts

Functional Classification: PRINCIPAL ARTERIAL (3)

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

Previous Projects: Project No., Date and Limits



SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
6/06	D.B.
9/10	D.B.
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1/13	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

ROAD INVENTORY

HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
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FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 99.526 miles

a. **Survey Length:** 99.526 miles

b. **Proposed Length:** 0.00 miles

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

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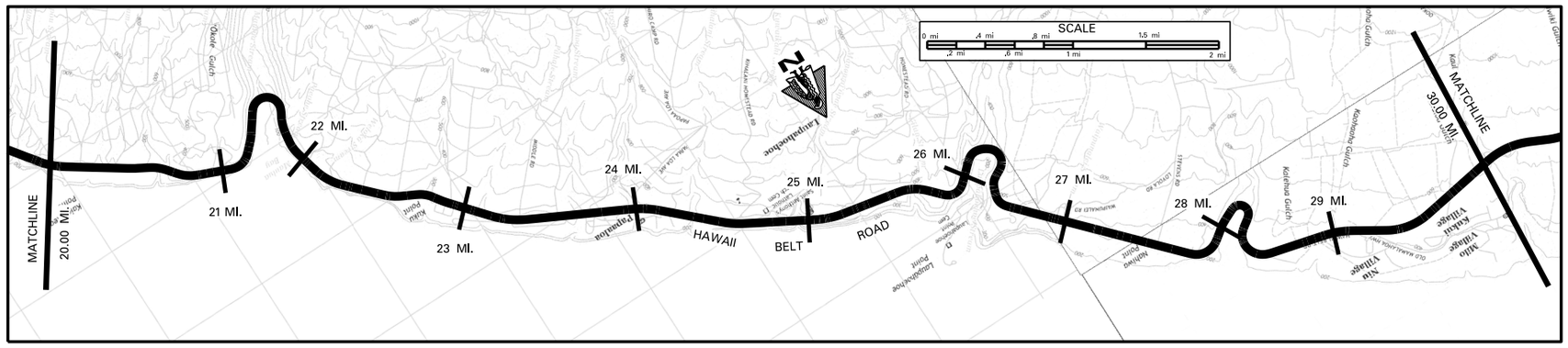


SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

Vertical Clearance

Horizontal Clearance

Structure Over Road — Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study)

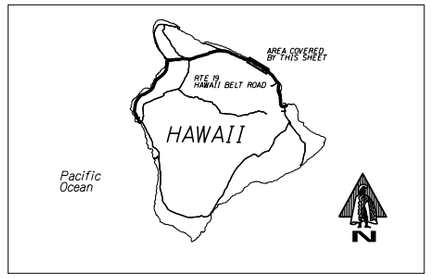
Right of Way Fence: Type – Right and Left

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

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

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #3

CONTINUED ON SHEET #5

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

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

Illumination: Type, Location and Number

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Speed: 1–Design, 2–Posted

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

HPMS Sections AADT 2020

HPMS Sections AADT 2019

HPMS Sections AADT 2018

DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
6/06	D.B.
12/09	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
1/13	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

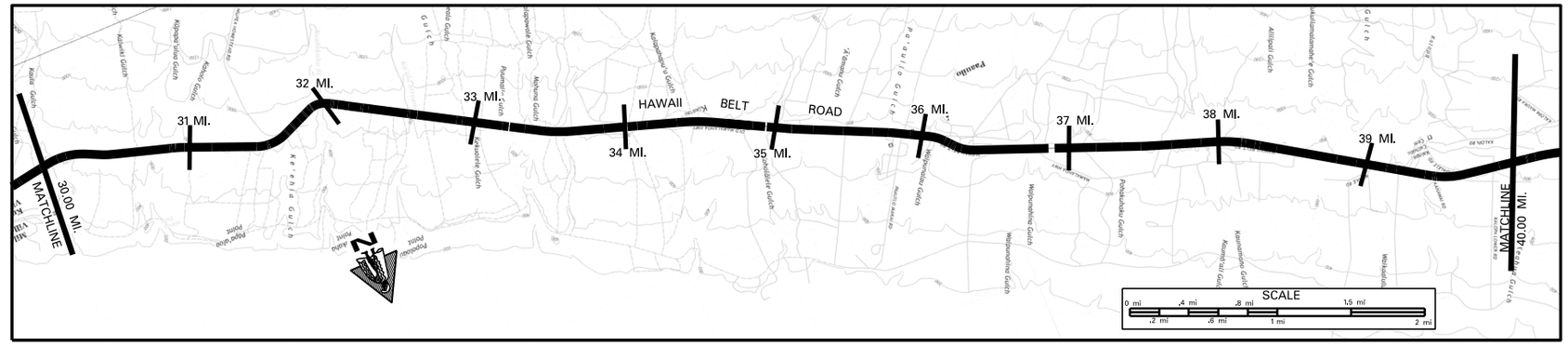
ROAD INVENTORY
HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 99.526 miles
a. Survey Length: 99.526 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*



SCALE: (In Miles) 2" = 1 mile

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

Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed; 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): 1000' CLEAR, PASTURE GRASSLAND WITH SMALL TREES 20' FROM PAVEMENT

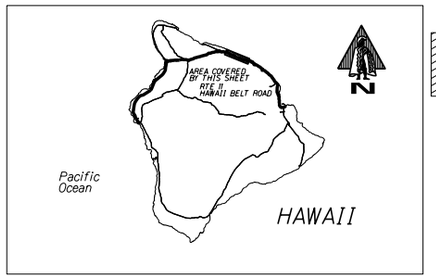
Right of Way Fence: Type – Right and Left: WIRE ON WOOD 20' FROM PAVEMENT LEFT AND RIGHT

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

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

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

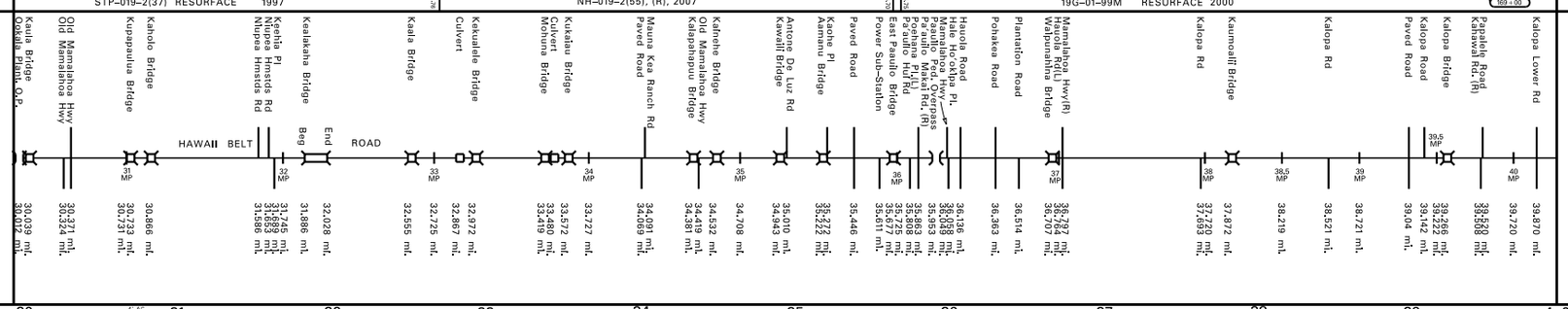
Project No., Type of Construction, and Year Constructed



Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP=Milepost Signage

CONTINUE FROM SHEET #4



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

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 — ALL METAL ON METAL (UNLESS NOTED OTHERWISE)

Illumination: Type, Location and Number

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (99999)

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

Speed: 1–Design, 2–Posted: 55 MPH (2) – (MINIMUM 40 MPH); 45 MPH (2); 55 MPH (2); 45 MPH (2); 55 MPH (MIN. 40 MPH) (2); 55 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0019 03987

HPMS Sections – AADT 2020: 6,100

HPMS Sections – AADT 2019: 6,700

HPMS Sections – AADT 2018: 7,387

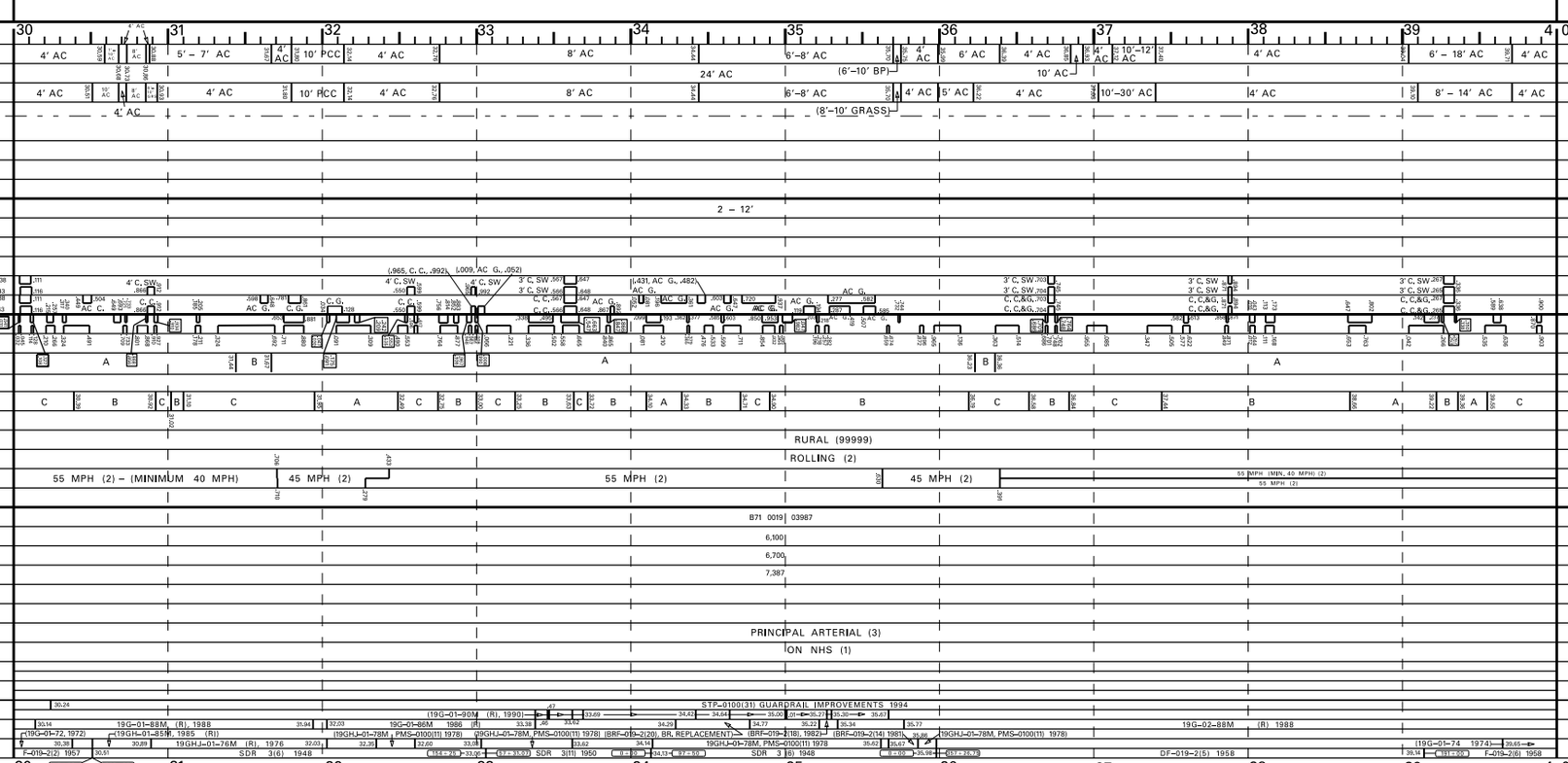
DOD Sections

Census Tracts

Functional Classification: PRINCIPAL ARTERIAL (3)

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

Previous Projects: Project No., Date and Limits



SCALE: (In Miles) 2" = 1 mile

Date Released	
Feb 2006, D.B.	
Revised	
5/06	G.N.
1/08	D.B.
12/09	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
1/13	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

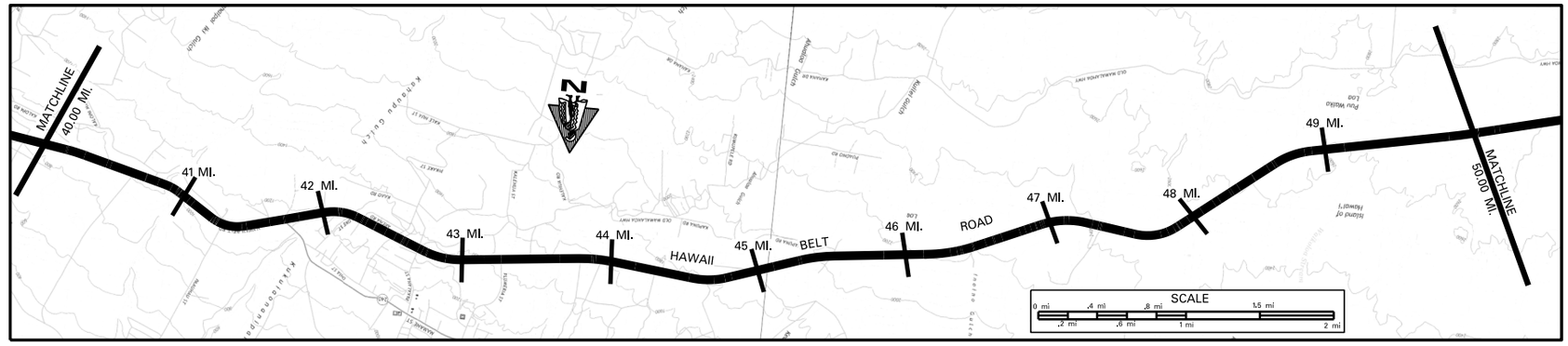
ROAD INVENTORY
HAWAII RTE 19
HAWAII BELT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 99.526 miles
a. Survey Length: 99.526 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description: 19G (12.57 MILES); END 19F & BEGIN 19G ON HAWAII BELT RD. AT THE CENTERLINE INTERSECTION WITH MAMANE ST.; 19F (10.05 MILES)

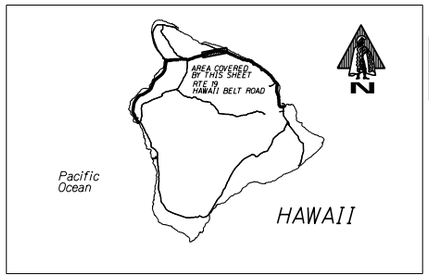
Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: CONC. BOX GIRDER 1959 HS-20 217'; TWIN BOX CULVERT 1953 HS-20 27'; CONC. BOX GIRDER 1963 HS-20 166'
Vertical Clearance
Horizontal Clearance: 28'; 36'; 28'

Structure Over Road

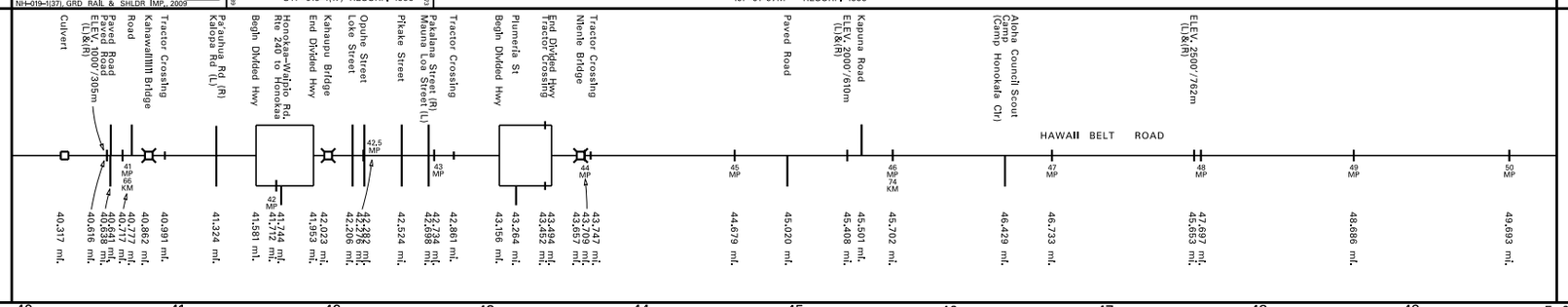
Vertical Clearance
Horizontal Clearance

Right of Way Width (min.-max.) if varies: VARIES 100' – 270'; VARIES 100' – 180'; VARIES 80' – 185'
Available Right of Way Width (Needs Study): CLEAR 1000' PASTURE GRASSLAND WITH SMALL TREES 20' FROM EDGE OF PAVEMENT; (CLEAR 1000' GRASS & SMALL TREES)
Right of Way Fence: Type – Right and Left: WIRE ON WOOD 20' FROM EDGE OF PAVEMENT LEFT AND RIGHT
Control of Access: 1–None, 2–Partial, 3–Full: NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE
Project No., Type of Construction, and Year Constructed: NH-019-1(36), GUARDRAIL & SHOULDER IMPRV., 2010
Project No., Type of Construction, and Year Constructed: NH-019-1(37), GRD RAIL & SHLDR IMP., 2009; STP-019-1(17) RESURF, 1996; 19F-01-97M RESURF, 1999



Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP=Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type: 4' AC; 8'–26' AC; 6' – 8' AC; 4'–6' AC; 6' – 8' AC; 4'–6' AC; 6' AC
Pavement: Width and Type: 24' AC; 14' AC; 24' AC; 12' AC; 24' AC
Shoulder: Width and Type: 4' AC; 10'–16' AC; 6' – 8' AC; 4'–6' AC; 0; 4'–6' AC; 6' AC; 0; 6' AC
Median: Width and Type: 0 – 16' PAINTED AC; 0–30' PAINTED AC
Median Barriers: (CENTERLINE MILLED RUMBLE STRIP); (RAISED PAVEMENT MARKERS CENTERLINE RUMBLE STRIP)
Shoulder: Width and Type: 0; 0
Pavement: Width and Type: 14' AC; 12' AC
Shoulder: Width and Type: 6' – 8' AC; 6' AC

Number of Traffic Lanes: 2–12'; 2–14'; 2–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 1–13' ACEL; 1–13' (L) T.L.; 1–12' (L) T.L.
(Right Side)
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left): 3' C, SW .899; 2' C, SW .899; 2' C, SW .693; 1' C, SW
Curb and/or Gutter: Type (Right and Left): C, C .899; C, C&G .899; AC G .649; AC G .649; AC G .834; 691 C, C
Protective Devices: Type, Location and Number (ALL METAL ON METAL (UNLESS NOTED OTHERWISE))
Illumination: Type, Location and Number
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62): A; B; A
Superelevation (Range)
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45): C; D; B; C; D; B; C; D; C; D; C; D; C; D; C; D; C; B; C; D; B; C; B
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: RURAL (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: ROLLING (2)
Speed: 1–Design, 2–Posted: 55 MPH (MIN. 40 MPH) (2); 45 MPH (2); 55 MPH (MIN. 40 MPH) (2); 45 MPH (2); 55 MPH (MIN. 40 MPH) (2)
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year): B71 0019 03978; B71 0019 04252; B71 0019 04970
HPMS Sections – AADT 2020: 6,100; 6,600; 7,900
HPMS Sections – AADT 2019: 6,700; 7,200; 8,600
HPMS Sections – AADT 2018: 7,387; 7,000; 7,700
DOD Sections
Census Tracts
Functional Classification: PRINCIPLE ARTERIAL (3)
National Highway System (NHS): ON NHS (1)
Previous Projects: Project No., Date and Limits: 19G-01-99M (RESURF) 2000; STP-019-1(17) RESURF, 1996; STP-019-1(25) SHOULDER IMPROVEMENT 1998; STP-0100(31), GUARDRAIL IMPROVEMENT 1994; 19EF-01-89M (RESURF), 1990; 19G-02-88M RESURF, 40.73 49.77; 19FG-01-81M RESURF, 1982; 19G-01-74 1974; F-019-2(6) 1958; (F-019-1(1), UNIT 2 1961); SDR 317 1952 & 1953; 19F-01-78M 1978; F-019-1(5) 1986 Inter. Impr.; F-019-1(1), UNIT 2 1961

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
G.N.	4 / 06
D.B.	9/10
D.B.	2/11
D.B.	2/12
E.P.J.	9/12
E.P.J.	1/13
E.P.J.	12/13
D.B.	7/14
E.P.J.	1/16
E.P.J.	1/17
D.B.	2/18
D.B.	11/18
E.P.J.	12/20

ROAD INVENTORY

HAWAII RTE 19

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

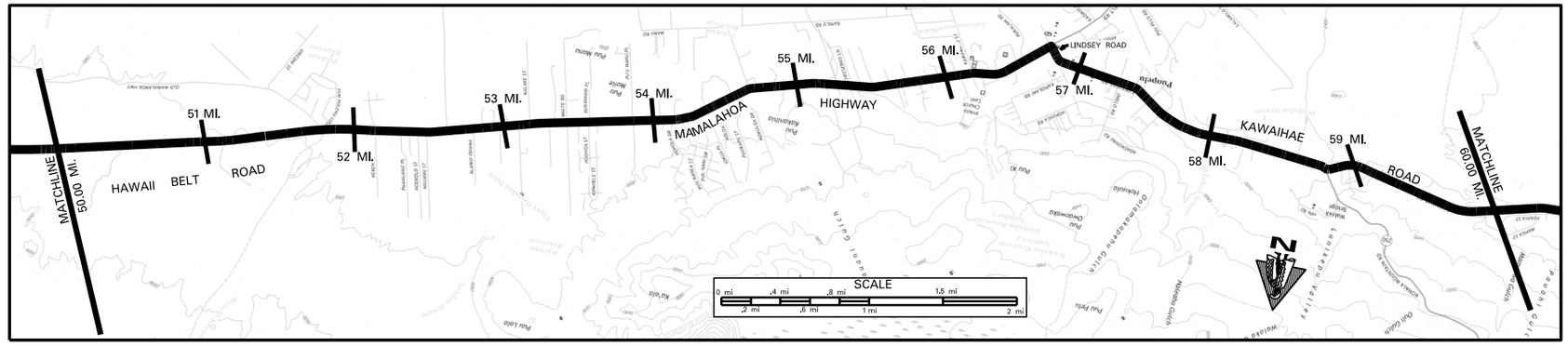
Total Route Length: 99.526 miles

a. **Survey Length:** 99.526 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'

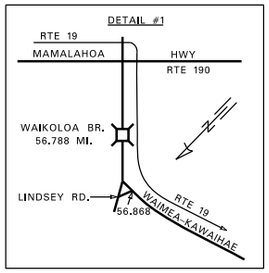
Right of Way Fence: Type - Right and Left: WIRE ON WOOD 20' FROM EDGE OF PAVEMENT LEFT AND RIGHT

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE; STATE (TRANSFER C to S 12/7/21); STATE

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

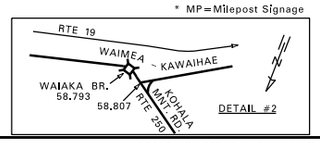
Project No., Type of Construction, and Year Constructed: STP-019-1(25) 1998 SHLDR IMPR; 19EF-01-89M (RESURF) 1990; WDR 2(1) 1947; 19D-01-91M (RESURF) 1992; 19D-01-96M RESURF 1998



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP=Milepost Signage



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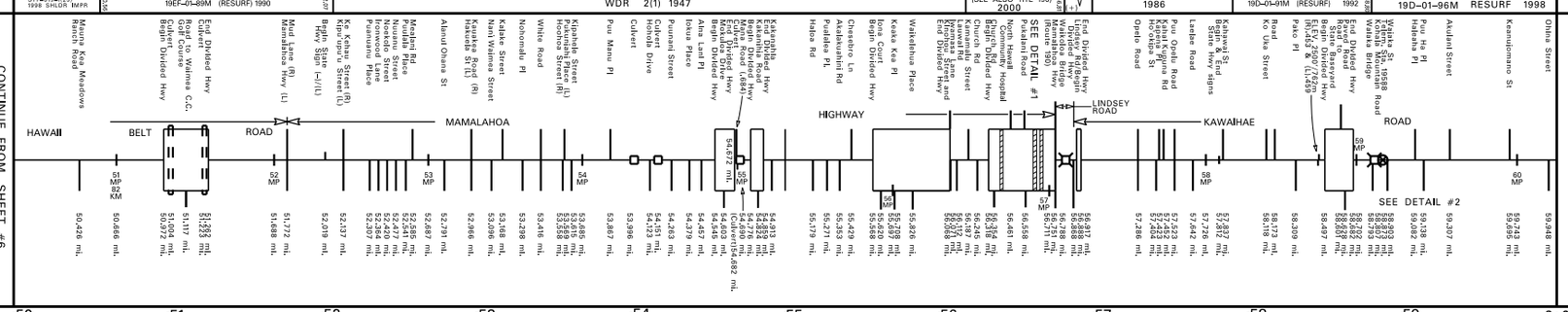


CONTINUE ON SHEET #8

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'; 2-11'; 2 - 10'; 4-10'; 2-10'; 2-12'; 2-11'; 2-10'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 14' ACCEL L.N.; 14' T.L.; 10' TL

(Right Side)

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

Sidewalk: Width and Type (Right and Left): 10' C, SW; 5' C, SW; 6' C, SW; 4' C, SW

Curb and/or Gutter: Type (Right and Left): C. C&G.

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

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

Curves Class: +/- Degree (A(0-3.45) B(3.45-5.44) C(5.44-8.48) D(8.48-13.85) E(13.85-28.62) F(<28.62)

Superelevation (Range)

Grades Class: +/- % (A(0-.45) B(.45-2.45) C(2.45-4.45) D(4.45-6.45) E(6.45-8.45) F(<8.45)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (99999); SMALL URBAN (99998)

Terrain: 1-Flat, 2-Rolling, 3-Mountainous: ROLLING (2); ROLLING (2); FLAT (1); ROLLING (2)

Speed: 1-Design, 2-Posted: 55 MPH (MIN. 40 MPH) (2); 55 MPH (2); 45 MPH (2); 30 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 Stations (Current Year): B71 0019 04970; B71 0019 05469; B71 0019 05655; B71 0019 05674; B71 0019 05811; B71 0019 05890; B71 0019 06318

HPMS Sections - AADT 2020: 7,900; 15,000; 18,100; 17,400; 13,000; 9,500; 8,200

HPMS Sections - AADT 2019: 8,600; 16,100; 19,100; 18,200; 13,500; 10,000; 8,000

HPMS Sections - AADT 2018: 7,700; 15,400; 22,000; 13,200; 13,646; 10,200; 8,721

DOD Sections

Census Tracts

Functional Classification: PRINCIPAL ARTERIAL (3)

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

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

390+00; 829+50.00; 1+77.90; 504+77.30

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
G.N.	4 / 06
D.B.	1/08
D.B.	4/09
D.B.	9/10
D.B.	2/11
D.B.	2/12
E.P.J.	9/12
E.P.J.	1/13
E.P.J.	12/13
D.B.	7/14
E.P.J.	1/16
E.P.J.	1/17
D.B.	2/18
D.B.	11/18
E.P.J.	12/20

ROAD INVENTORY

HAWAII RTE 19

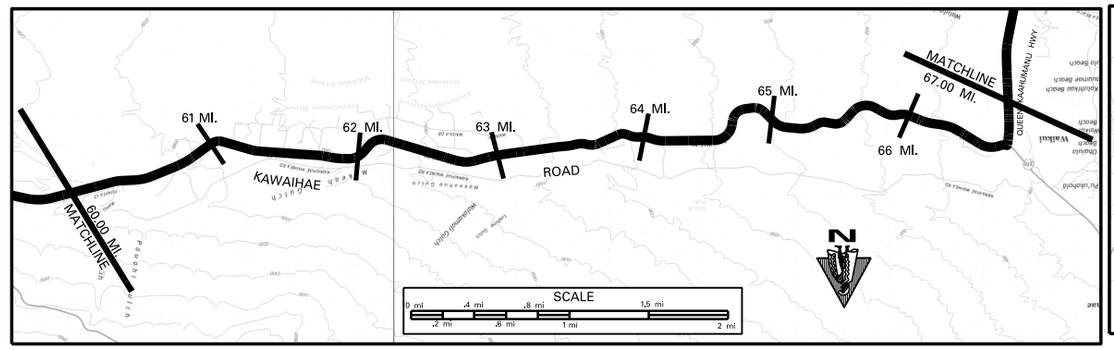
QUEEN KAAHUMANU HWY, KAWAIHAE RD.

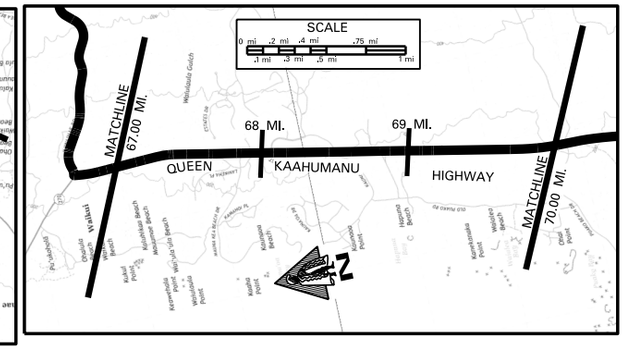
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 99.526 miles
a. Survey Length: 99.526 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*



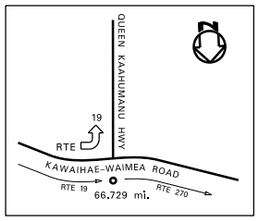


SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description — 19D (8.92 MILES); END 19C = BEGIN 19D ON QUEEN KAAHUMANU HWY AT CENTERLINE OF KAWAIHAE–MAHUKONA ROAD; 19C (15.04 MILES)

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

Right of Way Width (min.–max.) if varies: 60'; 80' – 145'; 340' – 420'
Available Right of Way Width (Needs Study): 1000' CLEAR – GRASS, BUSHES AND SMALL TREES; (CLEAR 1000' – GRASS, BUSHES, & LAVA ROCK 8'–10' FROM EDGE OF PAVEMENT)
Right of Way Fence: Type – Right and Left: WIRE ON WOOD 20' FROM EDGE OF PAVEMENT; WIRE ON WOOD 20' FROM EDGE OF PAVEMENT
Control of Access: 1–None, 2–Partial, 3–Full: NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE; COUNTY TO STATE, PHASE 2; STATE
Project No., Type of Construction, and Year Constructed: NH–019–1(34), RESURFACE, IMPV., 2007; 19BC–01–17, RUMBLE STRIP, 2018
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(33), RESURF., 2005



DETAIL

Road Diagram
* MP = Milepost Signage

CONTINUE FROM SHEET #7

Mahua Street; Electric Power Sub-Station (ELEV. 2000'/610m (R) & (L)); Ouli Street; Kanehoa Street; Kahinu Place; Anekona Street; (ELEV. 1000'/457m (R) & (L)); Waiula Drive; Waiemi Pl; Tractor Crossing; (ELEV. 1000'/305m (R) & (L)); Entrance To Water Supply Tank (ELEV. 500'/152m (L) 522' & (R) 524); Emmalani Street; SEE DETAIL Kawaihae Road (Rte 270) Begin Divided Hwy; Culvert; Hotel and Golf Xing; Mauna Kea Beach Begin Divided Hwy; End Divided Hwy; Keuna 'Oa Dr.; Kea Kea Lani Bridge; Begin Divided Hwy; Hapuna Bay Drive; End Divided Hwy; Begin Divided Hwy

KAWAIHAE ROAD — QUEEN KAAHUMANU HIGHWAY

MP: 61, 62, 63, 64 (103 km), 65, 66, 67, 68, 69 (111 km), 70

60.284 mi., 60.703 mi., 60.813 mi., 60.927 mi., 61.502 mi., 61.238 mi., 61.702 mi., 62.291 mi., 62.596 mi., 62.749 mi., 62.979 mi., 63.194 mi., 63.680 mi., 63.763 mi., 64.230 mi., 64.460 mi., 64.719 mi., 65.709 mi., 65.706 mi., 66.433 mi., 66.999 mi., 67.748 mi., 67.875 mi., 67.782 mi., 68.089 mi., 68.207 mi., 68.501 mi., 68.713 mi., 68.668 mi., 68.861 mi., 69.114 mi., 69.704 mi., 69.953 mi.

CONTINUE ON SHEET #9

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided:
Shoulder: Width and Type: 4' AC; 10' AC; 4' AC; 10' AC; 4' AC; 10' AC; 4' AC; 10' AC; 4' AC; 10' AC; 4' AC; 4'–10' AC; 12' AC; 24' AC; 12' AC; 24' AC; 12' AC; 24' AC; (10' GRV); (6' AC/4' SEAL COAT); 12' AC; (6' AC/4' SEAL COAT); 12' AC; (6' AC/4' SEAL COAT)
Pavement: Width and Type: 20' AC; 22' AC; 24' AC; 22' AC; 24' AC; 22' AC; (12' AC)
Shoulder: Width and Type: 4' AC; 10' AC; 4' AC; 10' AC; 4' AC; 10'–12' AC; 4' AC; 10' AC; 4' AC; 4' – 10' AC; 12' AC; 24' AC; 12' AC; 24' AC; 12' AC; 24' AC
Median: Width and Type: CL M RS – Centerline Milled Rumble Strip; 0 – 14' PAINTED MEDIAN; 0 – 12' PAINTED MEDIAN; 0 – 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: 12' AC; 10' GRV; 12' AC; (10' GRV); 12' AC; 6' AC/4' SEAL COAT; (6' AC/4' SEAL COAT)

Number of Traffic Lanes: 2 – 10'; 2 – 11'; 2 – 12'; 2 – 11'; 2 – 12'; 2 – 11'; 2 – 12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
(Right Side)
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left)
Curb and/or Gutter: Type (Right and Left): AC C; AC G
Protective Devices: Type, Location and Number — ALL METAL ON METAL (UNLESS NOTED OTHERWISE)
Illumination: Type, Location and Number
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62): AB A D A CA D A B A C A DC B A C DA DA AC AB DA DA C AC A C
Superelevation (Range)
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45): (C) D C D C B C D C D E D E D C B B A B C D A B
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: (SMALL URBAN (99998)); RURAL (99999); SMALL URBAN (99998)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: ROLLING (2)
Speed: 1–Design, 2–Posted: 45 MPH (2); 35 MPH (2); 45 MPH (2); 35 MPH (2); 45 MPH (2); 55 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year): B71 0019 06318; B71 0019 07168
HPMS Sections – AADT 2020: 8,200; 8,034
HPMS Sections – AADT 2019: 8,000; 12,700
HPMS Sections – AADT 2018: 8,721; 11,100
DOD Sections
Census Tracts
Functional Classification: PRINCIPLE ARTERIAL (3)
National Highway System (NHS): ON NHS (1)
Previous Projects: Project No., Date and Limits

(19D–01–90M RESURF 1991); 19D–01–90M, RESURF., 1991; 19C–01–78,SHLDR.,1978; 19C–01–78 1978, SHLDR, STAB.; 19C–01–94M 1994 SHLDR IMPROV
(19D–01–90M (R) 1991); 19D–01–90M (R) 1991; (HES–0100(28) PHASE 2 SAFETY IMPROV 1987); 19CD–01–97M RESURFACE 1999; NH–019–1(28), GUARDRAIL & SHOULDER IMPRV., 2006; NH–019–1(31) GUARDRAIL & SHLDR IMPR 2004
(19D–01–90M (R) 1991); (19D–01–82M, 1982); (HES–0100(28), PH. 2 SAFETY, 1987); (HES–0100(27), PH 1, 1986 SAFETY IMPR.); 19D–01–72 RESURFACE 1972; (HES–0100(27), PH 1, 1986 SAFETY IMPR.); 19C–01–76M RESURF 1977; 19BC–01–71, 1974 GRADING, 1975 PAVING
NRH–11C 1932; FAP 11–8 1933; G–3257–01–60 1962

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
G.N.	4 / 06
D.B.	1/07
D.B.	2/08
D.B.	9/10
D.B.	2/11
D.B.	2/12
E.P.J.	9/12
E.P.J.	1/13
E.P.J.	12/13
D.B.	7/14
E.P.J.	1/16
E.P.J.	1/17
D.B.	2/18
D.B.	11/18
E.P.J.	12/20

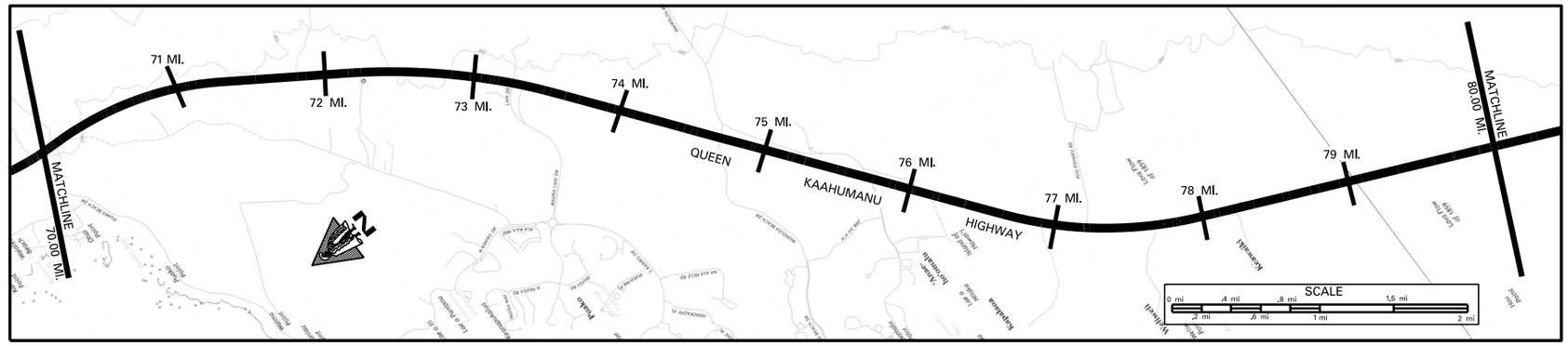
ROAD INVENTORY
HAWAII RTE 19
QUEEN KAAHUMANU HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 99.526 miles
a. Survey Length: 99.526 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*

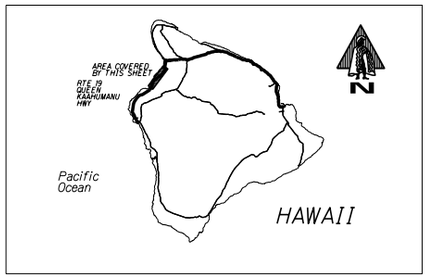


SCALE: (In Miles) 2" = 1 mile

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

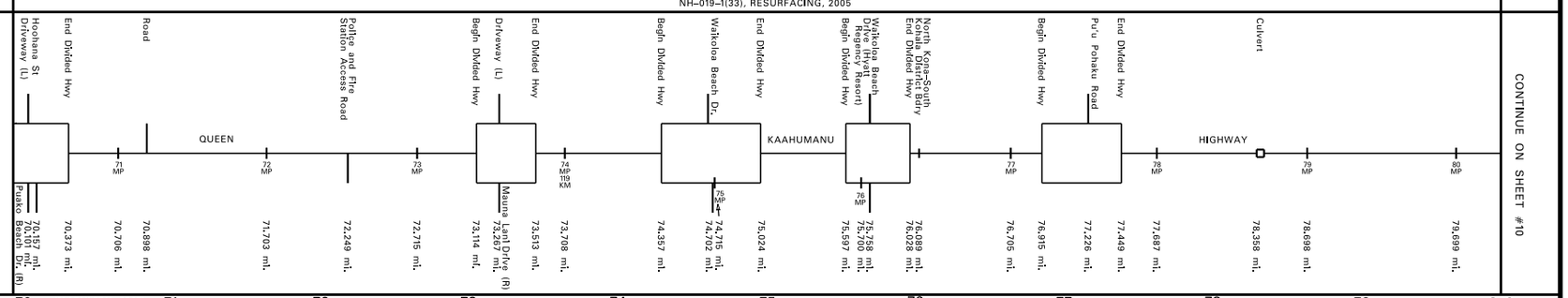
Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed
Structure Carrying Road — Vertical Clearance
Structure Carrying Road — Horizontal Clearance
Structure Over Road — Vertical Clearance
Structure Over Road — Horizontal Clearance

Right of Way Width (min.–max.) if varies: 340' – 420' (FROM) 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) (TO)
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: 19BC–01–17, RUMBLE STRIPS, 2018
Project No., Type of Construction, and Year Constructed: NH–019–1(33), RESURFACING, 2005



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/4' SEAL COAT; 12' AC; 6' AC/4' SEAL COAT; 6' AC; 6' AC; 12' AC; 6' AC; 12' AC; 10' AC
Pavement: Width and Type: 12' AC; 24' AC; 12' AC; 24' AC; 12' AC; 24' AC; 12' AC; 24' AC; 12' AC; 24' AC
Shoulder: Width and Type: 0; 12' AC; 6' AC/4' SEAL COAT; 12' AC; 6' AC/4' SEAL COAT; 12' AC; 6' AC/4' SEAL COAT; 0; 6' AC; 6' AC; 12' AC; 6' AC; 0; 10' AC; 0; 10' AC
Median: Width and Type: CL M RS – Centerline Milled Rumble Strip; PAINTED MEDIAN 0' – 12'; (6' AC/4' SEAL COAT); (+ Shoulder Milled Rumble Strips); CL M RS; PAINTED MEDIAN 0' – 12'; CL M RS; PAINTED MEDIAN 0' – 19'; CL M RS; PAINTED MEDIAN 0' – 12'; CL M RS; PAINTED MEDIAN 0' – 19'; CL M RS
Median Barriers:
Shoulder: Width and Type: 0; 0; 0; 0; 0
Pavement: Width and Type: 12' AC; 12' AC; 12' AC; 12' AC; 12' AC
Shoulder: Width and Type: 6' AC/4' SEAL COAT; (12' AC); 6' AC; 6' AC; 6' AC; 10' AC; 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): AC G.
Protective Devices: Type, Location and Number — ALL METAL ON METAL (UNLESS NOTED OTHERWISE)
Illumination: Type, Location and Number: NONE
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62): A
Superelevation (Range)
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45): B A C A C A B A B A B A B A B A B
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: SMALL URBAN (99998)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: ROLLING (2)
Speed: 1–Design, 2–Posted: 55 MPH (2); 45 MPH (2); 55 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing: 3 PHASE; 3 PHASE
Traffic Stations (Current Year): B71 0019 07168; P71 000000S8R
HPMS Sections – AADT 2020: 12,700; 13,500
HPMS Sections – AADT 2019: 11,100; 15,000
HPMS Sections – AADT 2018: 8,034; 13,400
DOD Sections
Census Tracts
Functional Classification: PRINCIPAL ARTERIAL (3)
National Highway System (NHS): ON NHS (1)
Previous Projects: Project No., Date and Limits

NH–019–1(31) 2004 GUARDRAIL AND SHOULDER IMPROVEMENT
19C–01–94M 1994 SHOULDER IMPROVEMENT 72.79
19C–01–91M 1992 SHOULDER IMPROVEMENT 75.20 75.62
STP–019–1(23) 1997 SHOULDER IMPROVEMENT
19BC–01–71 PHASE IIIA 1975 PAVING 72.79 74.54
19BC–01–71 (PHASE IIIB) (GRADING 1974 AND PAVING 1975)
G–3257–01–60 1962 70.51
19 BC–01–71 (PHASE IIIA) (GRADING) 1974 74.67

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
G.N.	MAY 2006
D.B.	1/07
D.B.	3/08
D.B.	9/10
D.B.	2/11
D.B.	2/12
E.P.J.	9/12
E.P.J.	1/13
E.P.J.	12/13
D.B.	7/14
E.P.J.	1/16
E.P.J.	1/17
D.B.	2/18
D.B.	11/18
E.P.J.	12/20

ROAD INVENTORY
HAWAII RTE 19
QUEEN KAAHUMANU HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
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IN COOPERATION WITH THE
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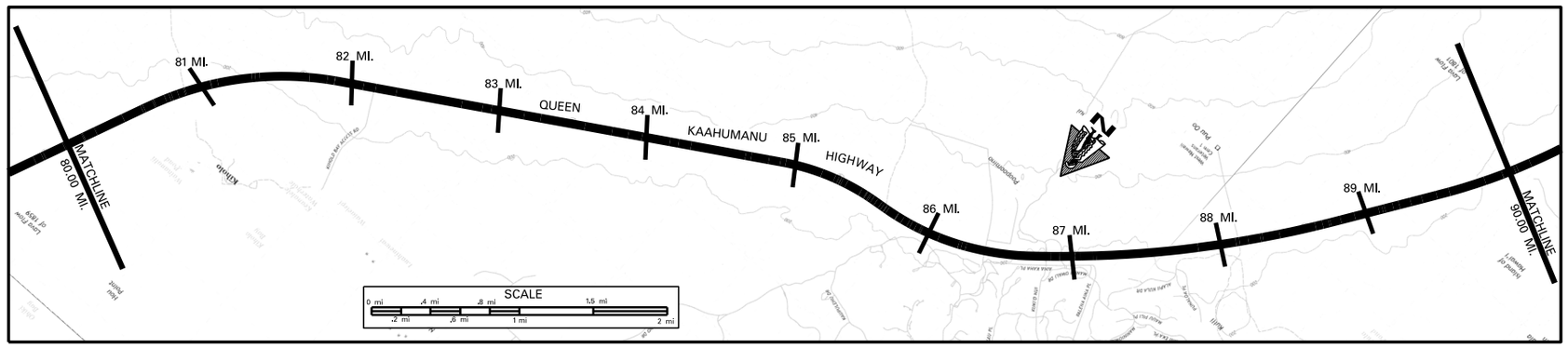
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 99.526 miles
a. Survey Length: 99.526 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*

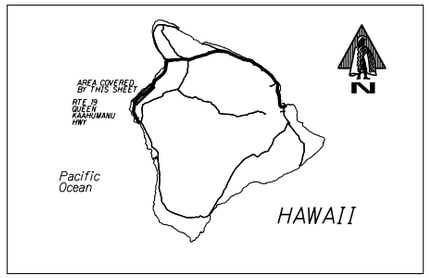


SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description: 19C (15.04 MILES); END 19B – BEG 19C AT KIHOLO LOOKOUT; 19B (15.49 MILES)

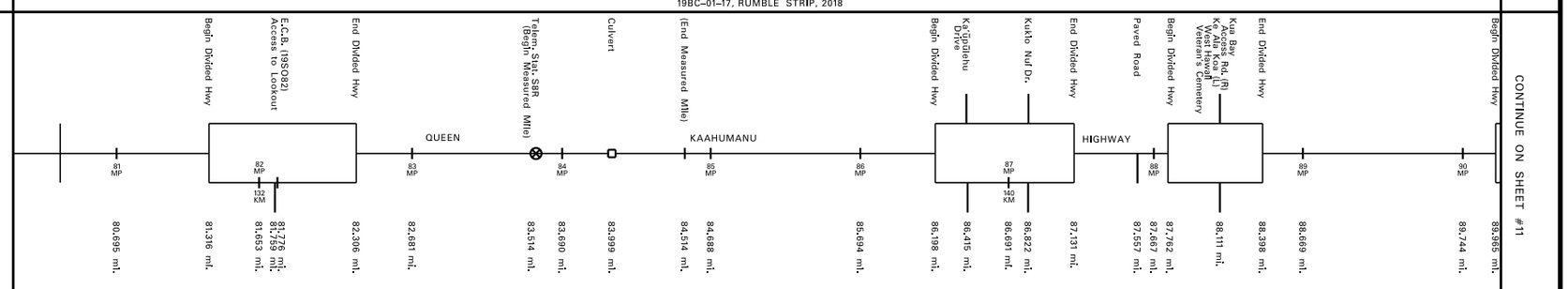
Structure Carrying Road: Bridges (Over 20'): Length, Type, Capacity and Year Constructed
Structure Carrying Road: Vertical Clearance
Structure Carrying Road: Horizontal Clearance
Structure Over Road: Vertical Clearance
Structure Over Road: Horizontal Clearance

Right of Way Width (min.–max.) if varies: 310' – 390'
Available Right of Way Width (Needs Study): CLEAR 1000' – LAVA ROCK 8' – 10' FROM EDGE OF PAVEMENT
Right of Way Fence: Type – Right and Left: N O N E
Control of Access: 1–None, 2–Partial, 3–Full: N O N E
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): S T A T E
Project No., Type of Construction, and Year Constructed: NH–019–1(35), RESURFACE, 2020
Project No., Type of Construction, and Year Constructed: 19BC–01–17, RUMBLE STRIP, 2018



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: 10' AC | 10' AC | 10' AC | 16' AC
- Pavement: Width and Type: 12' AC
- Shoulder: Width and Type: 10' AC
- Median: Width and Type: CL M RS – CenterLine Milled Rumble Strip; 32'
- Median Barriers:

Divided Highway – Divided:
- Shoulder: Width and Type: 6' AC
- Pavement: Width and Type: 12' AC
- Shoulder: Width and Type: 0
- Median: Width and Type: 0'–18' PAINTED AC
- Median Barriers:
- Shoulder: Width and Type: 0
- Pavement: Width and Type: 12' AC
- Shoulder: Width and Type: 12' AC

Divided Highway – Undivided:
- Shoulder: Width and Type: 10' AC
- Pavement: Width and Type: 24' AC
- Shoulder: Width and Type: 10' AC
- Median: Width and Type: .31 CL M RS .20
- Median Barriers:
- Shoulder: Width and Type: 0
- Pavement: Width and Type: 8'–10' AC
- Shoulder: Width and Type:

Divided Highway – Divided:
- Shoulder: Width and Type: 35' AC | 10' AC
- Pavement: Width and Type: 8'–14' AC
- Shoulder: Width and Type: 12' AC | 24' AC | 12' AC
- Median: Width and Type: 0'–15' PAINTED AC | 0'–30' PAINTED AC
- Median Barriers:
- Shoulder: Width and Type: 0
- Pavement: Width and Type: 12' AC | 24' AC | 12' AC
- Shoulder: Width and Type: 8' AC | 10' AC

Divided Highway – Undivided:
- Shoulder: Width and Type: 10' AC | 10' AC
- Pavement: Width and Type: 24' AC
- Shoulder: Width and Type: 10' AC
- Median: Width and Type: 13 CL M RS .76
- Median Barriers:
- Shoulder: Width and Type: 0
- Pavement: Width and Type: 12' AC
- Shoulder: Width and Type: 10' AC

Divided Highway – Divided:
- Shoulder: Width and Type: 6' AC/8' GRAV
- Pavement: Width and Type: 12' AC
- Shoulder: Width and Type: 0
- Median: Width and Type: 0'–30' PAINTED AC
- Median Barriers:
- Shoulder: Width and Type: 12' AC
- Pavement: Width and Type: 12' AC
- Shoulder: Width and Type: 12' AC | 8'–10' AC

Divided Highway – Undivided:
- Shoulder: Width and Type: 10' AC
- Pavement: Width and Type: 24' AC
- Shoulder: Width and Type: 10' AC
- Median: Width and Type: .40 CL M RS .53
- Median Barriers:
- Shoulder: Width and Type: 0
- Pavement: Width and Type: 12' AC
- Shoulder: Width and Type: (8'–10' AC)

Number of Traffic Lanes: 2 – 12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) – All Turning Lanes = 12'
(Right Side) – All Turning Lanes = 12'
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left)
Curb and/or Gutter: Type (Right and Left)
Protective Devices: Type, Location and Number – ALL METAL ON METAL (UNLESS NOTED OTHERWISE)
Illumination: Type, Location and Number
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62): A
Superelevation (Range)
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45): B C A B A B A B A B A B C B A B A B A B C B
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: SMALL URBAN (99998)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: ROLLING (2)
Speed: 1–Design, 2–Posted: 55 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year): P71 000000SSR
HPMS Sections – AADT 2020: 13,500
HPMS Sections – AADT 2019: 15,000
HPMS Sections – AADT 2018: 13,400
DOD Sections
Census Tracts
Functional Classification: PRINCIPAL ARTERIAL (3)
National Highway System (NHS): ON NHS (1)
Previous Projects: Project No., Date and Limits:
NH–019–1(33), RESURFACE, 2005
NH–019–1(31) GUARDRAIL AND SHOULDER IMPROVEMENT 2004
STP–019–1(23) SHOULDER IMPROVEMENT 1997
19 BC – 01 – 71 (PHASE II B GRADING) 1974

SCALE: (In Miles) 2" = 1 mile

Date Released
Feb 2006, D.B.

Revised	
G.N.	MAY 2006
D.B.	1/07
D.B.	3/08
D.B.	9/10
D.B.	2/11
D.B.	2/12
E.P.J.	9/12
E.P.J.	1/13
E.P.J.	12/13
D.B.	7/14
E.P.J.	1/16
E.P.J.	1/17
D.B.	2/18
D.B.	11/18
E.P.J.	12/20

ROAD INVENTORY
HAWAII RTE 19
QUEEN KAAHUMANU HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

IN COOPERATION WITH THE
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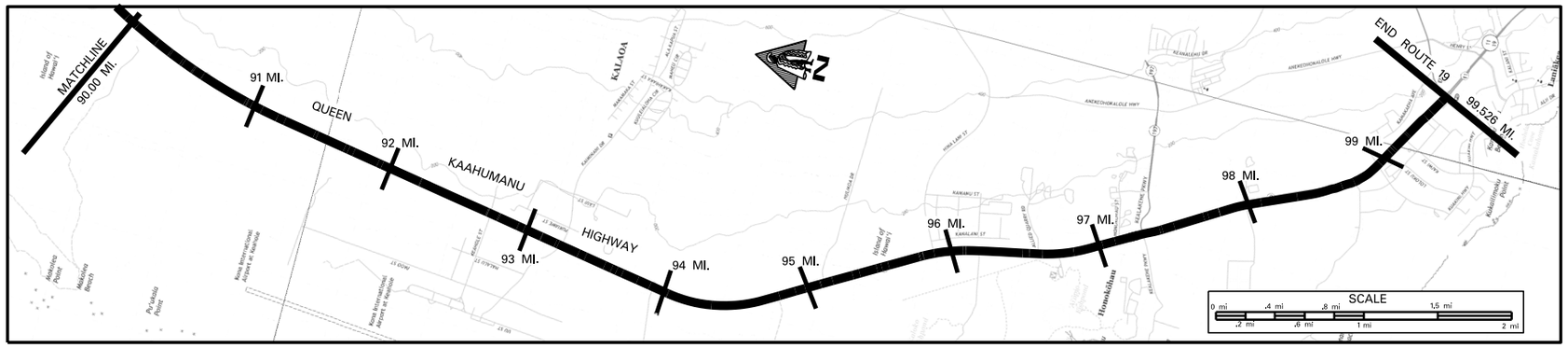
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 99.526 miles
- a. Survey Length: 99.526 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

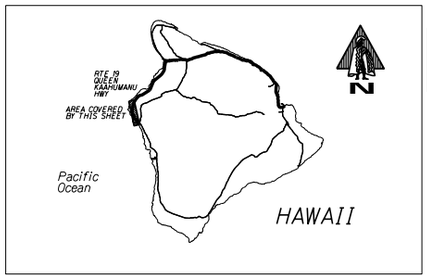
Maintenance Control Sections : Length and Description

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' (98.28) 300'
Available Right of Way Width (Needs Study)	CLEAR 1000' – LAVA ROCK 8' – 10' FROM EDGE OF PAVEMENT
Right of Way Fence: Type – Right and Left	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 (378 + 00) — COUNTY TO STATE, PHASE 3 (95.56)
Project No., Type of Construction, and Year Constructed	(NH–019(33), RESUR., 2005) — (BD–69–352, PAVING 1969) — NH–019–1(20), WIDENING, 2009 (1120 + 00, 88 + 00, 80 + 66, 1000 + 45)
Project No., Type of Construction, and Year Constructed	NH–019–1(31) GUARDRAIL AND SHOULDER IMPROVEMENT 2004 — 19A–01–97M RESURFACE 2000 (38 + 80) — (19A–01–02 INTER IMP 2005) — 19A–01–97M RESURFACE 2000



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP=Milepost Signage

CONTINUE FROM SHEET #10

QUEEN KAAHUMANU HWY

Kona Coast State Park Road — End Divided Hwy — Begin Divided Hwy — Kaiminani Drive (to Kaloko) — Kohanaiki Way — Hulikoa Dr. — Hfna Land Street (Kaloka Indst. Park) — Kaloko–Honokohau Road — Honokohau St — Kealakehe Parkway (Route 197) — Paved Road (R) Hale Makai Pl. (L) — Makala Blvd. — Kalwi Street — Eho Street

Kailahiki Airport Rd (R) to Power Sub–Station (L) — Telem. Stat. TBM — Makako Bay Dr. (R) Road to Power Sub–Station (L)

End Divided Hwy — Ala Nui Kaloko — Allied Quarry Rd

91 MP — 92 MP — 93 MP — 98 MP — 99 MP (.677) — 100 MP

90.103 mi. — 90.281 mi. — 90.682 mi. — 91.681 mi. — 92.471 mi. — 92.270 mi. — 92.277 mi. — 93.212 mi. — 93.387 mi. — 93.466 mi. — 93.647 mi. — 93.669 mi. — 93.883 mi. — 94.196 mi. — 94.772 mi. — 94.869 mi. — 95.061 mi. — 95.277 mi. — 95.482 mi. — 95.818 mi. — 96.175 mi. — 96.116 mi. — 96.299 mi. — 96.508 mi. — 96.653 mi. — 97.066 mi. — 97.231 mi. — 97.682 mi. — 97.936 mi. — 98.679 mi. — 98.869 mi. — 99.125 mi. — 99.351 mi. — 99.517 mi.

NOTE: ROUTE LENGTH ADJUSTED TO MATCH '17 PHOTOLOG DATABASE
END ROUTE 19 ON QUEEN KAAHUMANU HIGHWAY AT THE NORTHWEST EDGE OF PAVEMENT OF PALANI ROAD (ROUTE 190)
99.526 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' / 4–12'
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)	6' AC BIKE LANE / 6' AC BIKE LANE / 6' AC BIKE LANE / 10' CONC. SW
Curb and/or Gutter: Type (Right and Left)	C. & G.
Protective Devices: Type, Location and Number	ALL METAL ON METAL (UNLESS NOTED OTHERWISE)
Illumination: Type, Location and Number	HPS
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)	A
Superelevation (Range)	(B)
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)	B A B A B A B A B A B A B A B C A
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	SMALL URBAN (99998)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	ROLLING (2)
Speed: 1–Design, 2–Posted	55 MPH (2) / 45 MPH (2) / 35 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	3 PHASE / 3 PHASE / 3 PHASE / 3 PHASE / 3 PHASE / 4 PHASE
Traffic Stations (Current Year)	P71 0000 00S8R / P71 0000 00T8M / B71 0019 09719
HPMS Sections – AADT 2020	13,500 / 26,200 / 21,877
HPMS Sections – AADT 2019	15,000 / 28,800 / 29,400
HPMS Sections – AADT 2018	13,400 / 27,900 / 26,500
DOD Sections	
Census Tracts	
Functional Classification	PRINCIPLE ARTERIAL (3)
National Highway System (NHS)	ON NHS (1)
Previous Projects: Project No., Date and Limits	
	(STP–019–1(22) 1998) — (19B–01–97 1998 @ 97.32 MI.) — 19A–01–97M RESURFACE 2000
	STP–019–1(23) SHOULDER IMPROVEMENT 1997 — STP–019–1(18) RESURFACE 1997 — (19A–01–02 INTER IMP 2005) — 19A–01–80M RESURFACE 1980
	19BC–01–71 (PHASE III B GRADING 1974 & PAVING 1975 (235 + 50) (218 + 72.16) — BD–66–7–352 UNIT 3 GRADING & BD–69–352 PAVING 1969 (BD–69–352 PAVING 1969) (0+00.11) (126 + 05.57) — 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
D.B.	3/08
D.B.	9/10
D.B.	2/11
D.B.	2/12
E.P.J.	9/12
E.P.J.	1/13
E.P.J.	12/13
D.B.	7/14
E.P.J.	1/16
E.P.J.	1/17
D.B.	2/18
D.B.	11/18
E.P.J.	12/20

ROAD INVENTORY

HAWAII RTE. 130
KEA'AU–PAHOA RD.

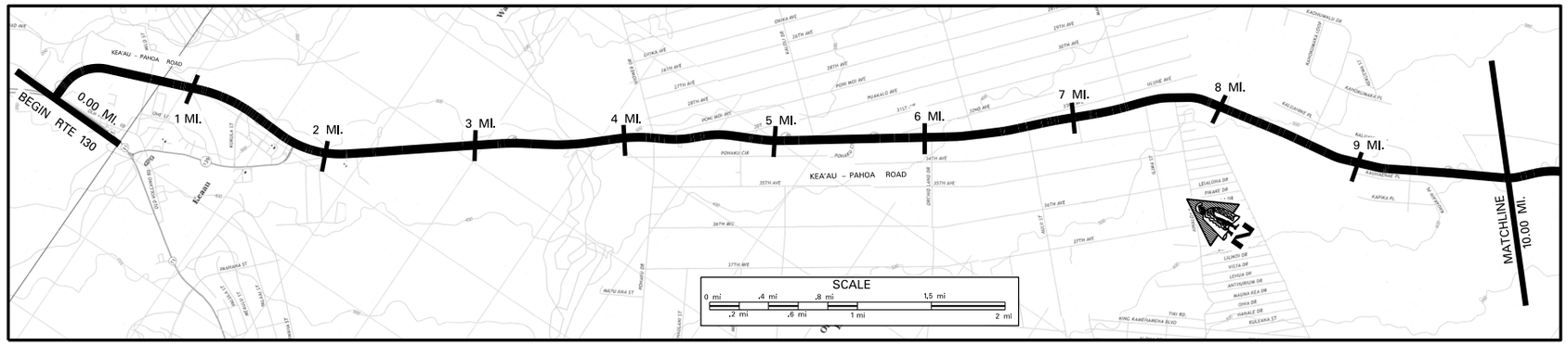
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length:	21.639	MILES (a+b)
a. Existing Length:	21.639	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	21.639	MILES (a+b, less c)
a. Existing Length:	21.639	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'; 4 – 70" Pipe Culvert 28'; 4 – 44" Arch Culvert 30'; Triple Box Culvert 38'; Conc. Rigid Frame HS – 20, 1968 80'

Vertical Clearance: 0.35; 0.88; 1.09; 1.86; 3.78

Horizontal Clearance: 40'

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 150' – 220' (2.33); 80' – 130' (5.38); 50'; 80' (8.67)

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

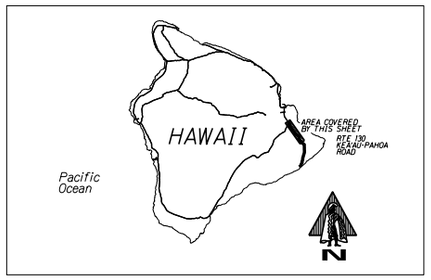
Right of Way Fence: Type – Right and Left: Residential Area

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–0130(33), Inter. Imprv., 2018) (173 + 25.78) (5.38) (198 + 50) (4.43) (HSIP–0130–(30), 2012, INTERSECTION IMPROVEMENTS) (114 + 00) (7.51) (134 + 00) (7.89) (134 + 11.34) (7.90) (165 + 00) (8.48) (130B–01–07 ACCESS IMP., 2009) (107 + 49.44)

Project No., Type of Construction, and Year Constructed: 130B – 01 – 98, New Constr., 1999 (1.36) (1.37) 130B – 01 – 92, New Constr., 1999 (2.03) STP–0130–(28) Phase 1, Lanes, 2016 (183 + 78.74) (4.27) (6.49) RS–0130(24), Widen & Resurf., 2003



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

BEGIN RTE 130 ON KEA'AU-PAHOA ROAD AT THE SOUTH-EAST EDGE OF PAVT. OF VOLCANO ROAD (RTE 11). 0.000 mi.

Culvert Keaau Road 0.333 mi. 0.279 mi.; Milo Street 0.721 mi.; Culvert 0.888 mi.; Culvert 0.997 mi.; Culvert 1.016 mi.; Culvert 1.092 mi.; Culvert (Construction Rd.) 1.210 mi.; 1MP; Culvert Kukula St. (High School) 1.380 mi.; Culvert Keaau to Old Pahoa Rd. (Rte 139) 1.410 mi.; Culvert 1.787 mi.; Culvert 1.859 mi.; Culvert 1.955 mi.; Culvert 2.005 mi.; Culvert Opuhihali Rd. 2.207 mi.; Culvert 2.349 mi.; Humane Society Paved Rd. 2.267 mi.; Telem. Stat. C2F End Divided Waste–station Rd. 2.484 mi.; 2.50 MP; 3 MP; Wailuaiki Bridge 3.179 mi.; Begin Divided Paved Road 3.678 mi.; Shower Dr. (L) 3.782 mi.; End Divided Pani Mo'i St. 4.001 mi.; Pohaku Dr. (R) 4.200 mi.; 4MP; Begin Divided 4.346 mi.; Puakala St. 4.380 mi.; End Divided 4.389 mi.; Pohaku Pl. 4.781 mi.; Begin Divided 4.682 mi.; Begin Divided 5.087 mi.; End Divided Kaloli Dr. 5.276 mi.; Pohaku Circle 5.357 mi.; 5MP; 5.550 mi.; Begin Divided 5.674 mi.; Orchid Land Dr. 5.934 mi.; End Divided 6.066 mi.; Paradise Dr. 6.340 mi.; End Divided 6.477 mi.; Aulii St. 6.512 mi.; Begin Divided 6.712 mi.; 6MP; 6.598 mi.; End Divided 6.883 mi.; Begin Divided 7.201 mi.; End Divided Maku'u Dr. 7.378 mi.; Ahakea Blvd. 7.709 mi.; Begin Divided 7.672 mi.; End Divided 7.578 mi.; 7MP; Begin Divided 7.493 mi.; End Divided 7.483 mi.; Begin Divided Rd. to Comm. Sta. 7.919 mi.; End Divided 7.887 mi.; 8.109 mi.; 8.005 mi.; Begin Divided Rd. to Power Sta. 8.246 mi.; Driveway 8.354 mi.; End Divided 8.484 mi.; Begin Divided 8.768 mi.; Ka Ohuwalu Dr. 8.677 mi.; 8MP; 8.655 mi.; End Divided 9.480 mi.; Kaluahine St. (L) 9.386 mi.; Nibulani Rd. (R) 9.251 mi.; Begin Divided 9.810 mi.; 9MP; 9.785 mi.; Paved Rd. Water Tank Rd. 9.694 mi.

KEA'AU – PAHOA ROAD

ROUTE CONTINUED ON SHEET #2

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type: 10' AC; 8' AC (Shoulder Milled Rumble Strip); 8' AC; 8' Grv; 8' AC; 8' Grv; 8' AC; 8' (4'AC,4' Grv); 10' AC; 4' Grass; 6' AC; 8' AC; 6' AC; (8' AC)

Pavement: Width and Type: (12' AC); 24' AC; 36' AC; 24' AC; 12' AC; 24' AC; 14' AC; 24' AC; 12' AC; 24' AC; 12' AC (24' AC); 12' AC; 24' AC; 12' AC (24' AC); 12' AC; 24' AC; 12' AC; 24' AC; 12' AC; 24' AC

Shoulder: Width and Type: 4' AC; (10' Paint); (12' Paint); 2' AC (Shoulder Milled Rumble Strip); 0; 8' Grv; 0; 8' Grv; 0; 8' (4'AC,4' Grv); 0 (4'AC,4' Grv); 0; 6' AC; 0 (6' AC); 8' AC; 8' AC; 6' AC; (8' AC)

Median: Width and Type: 10' Painted AC; 10' Grass (Flush); (12' Grass); (12' Grass); Varies 0–22' Paint; Centerline Milled Rumble Strip; 0'–12' Painted AC; 0'–12' Paint on AC; 0'–12' Painted AC; 0'–12' Painted AC; 0'–18' Painted AC; 0'–18' Painted AC; 0'–18' Painted AC; 0'–18' Painted AC; 0'–18' Painted AC; 0'–18' Painted AC

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

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

Shoulder: Width and Type: 10' AC; 2' AC; (Shoulder Milled Rumble Strip); 8'–12' AC; 8'–12' AC; 8'–10' AC; 6'–10' AC; 6' AC; 6' AC; 6' AC; 8' AC; 6' AC; 6' AC

Number of Traffic Lanes: (1–12') (2–12') 4 – 12'; (2–12') (1–12') 2 – 12'; 2–14'; 2 – 12' (SHLDR MILLED RUMBLE STRIP); (2 – 12')

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

(Right Side): All Turning Lanes 12'; SHOULDER LANE; (All T.Ls 12')

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

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left): AC G.; C. G.; 4' Conc. G.

Protective Devices: Type, Location and Number: All Metal Rails on Metal Posts unless noted otherwise.

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

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban (99998)

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0130 00138; P71 0000 00C2F; B71 0130 00937

HPMS Sections – AADT 2020: 20,909; 30,900; 11,422

HPMS Sections – AADT 2019: 24,330; 26,700; 16,200

HPMS Sections – AADT 2018: 23,900; 22,000; 15,000

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

DOD Sections

Census Tracts

Functional Classification: Minor Arterial (4)

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

Previous Projects: Project No., Date and Limits: RS–0130(24), Widen & Resurf., 2003; STP–0130 (25), Resurf, 1996 (9.87); (S–0130(9) 1967); (S–231(1) 1953); (RS–0130(16), Widened & Resurf., 1990); 130B–01–72 (R) 1972; S–231(1) 1952; STP–0130(25), Resurf, 1996; S–0130(7) 1957; 130B – 01 – 92, New Constr., 1999; (S–0130(9) 1966)

SCALE: (In Miles) 2" = 1 mile

Date Released
Nov 2000

Revised	
Oct. 01	J.K.
Feb. 04	D.B.
May 04	D.B.
Sept 04	D.B.
7/06	D.B.
2/08	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
12/13	EPJ
7/14	D.B.
1/16	EPJ
1/17	EPJ
2/18	D.B.
11/18	D.B.
12/20	EPJ

ROAD INVENTORY

HAWAII RTE 130

KEA'AU–PAHOA RD., PAHOA–KALAPANA RD.

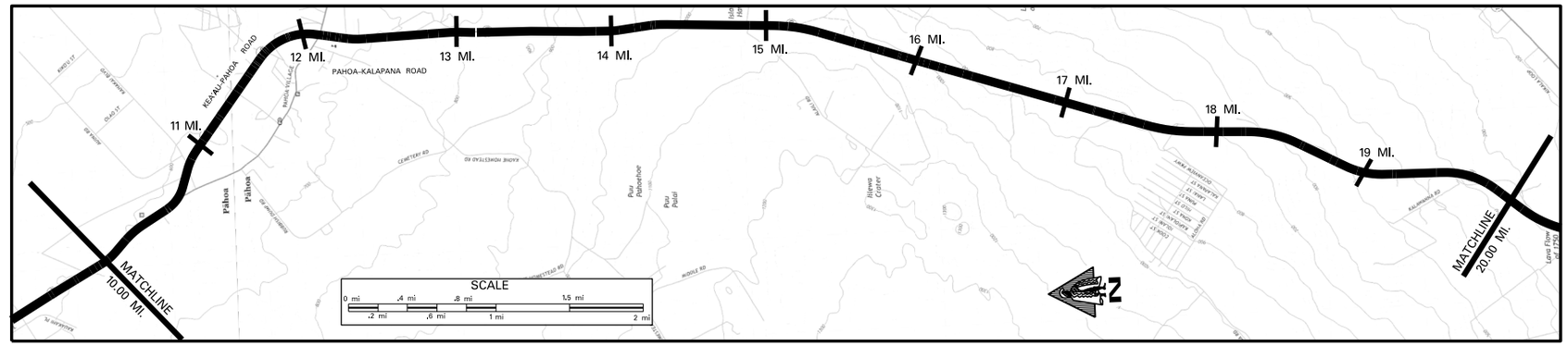
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length:	21.639	MILES (a+b)
a. Existing Length:	21.639	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	21.639	MILES (a+b, less c)
a. Existing Length:	21.639	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 Keeau–Pahoa Rd. @ the North E.P. of Pahoa–Kapoho Rd.; 130 A (13.19 MI.)

Structure Carrying Road

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

Structure Over Road

- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: 80' (10.70); 50' – 110'; 17.89; 100'–150'

Available Right of Way Width (Needs Study): Residential Area; 12.27 Trees; 12.55; Clear 1000'/ Grass, Brush, Sugar Cane 10' from Pavement; 17.23; Trees & Brush

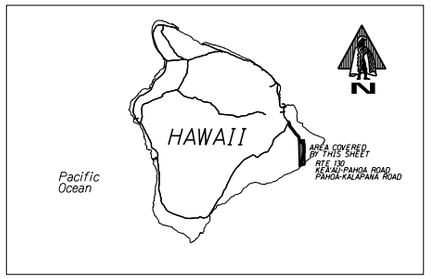
Right of Way Fence: Type – Right and Left (SW = Stone Wall): Chainlink Fence; 12.27; 12.24; SW 19.05; 19.63

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

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

Project No., Type of Construction, and Year Constructed: 10.35 (RS–0130(24), Widen & Resurf., 2003); 17.40; 130A–01–97M Resurfacing 1998

Project No., Type of Construction, and Year Constructed: STP–0130(25), Resurf, 1996; 10.47; RS – 0130(20), New Alignment, 1990; 12.28; 130A–01–92M, Resurf, 1993; 17.40; S–0130(12) 1971



Road Diagram

* MP = Milepost Signage

ROUTE CONTINUED FROM SHEET #1

Bohnett Divided Hwy. | Rd to Police Station | Bohnett Divided Hwy. | End Divided Hwy. | Road "A" (Rte 134) | Bohnett Divided Hwy. | Kahakai Blvd. | Spurs | End Divided Hwy. | Post Office Rd. (West) | Homestead Rd. (East) | Bohnett Divided Hwy. | Pahoa-Kapoho Rd. (L) (Rte 132) Village Rd. (R) (Rte 134) | End Divided Hwy. | Board of Water Supply Tank | Lellani Ave | Malama St. | ALA ILI RD. | Paved Road | Road | Kamaili Road (to Ohikao) | Upper Puna Rd | Oneele Rd. | Old Kalapana Rd. | Old Kalapana Rd. | Old Kalapana Rd. | Old Kalapana Rd. | Old Kalapana Rd. | Old Kalapana Rd. | Old Kalapana Rd.

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

10.171 mi. | 10.336 mi. | 10.471 mi. | 10.524 mi. | 10.680 mi. | 10.859 mi. | 10.814 mi. | 10.877 mi. | 10.961 mi. | 11.416 mi. | 11.734 mi. | 11.666 mi. | 11.992 mi. | 12.136 mi. | 12.328 mi. | 12.699 mi. | 13.153 mi. | 13.701 mi. | 14.190 mi. | 14.472 mi. | 14.713 mi. | 14.946 mi. | 15.242 mi. | 15.729 mi. | 15.707 mi. | 16.018 mi. | 16.747 mi. | 17.363 mi. | 17.758 mi. | 17.699 mi. | 18.424 mi. | 18.538 mi. | 18.704 mi. | 18.814 mi. | 19.174 mi. | 19.506 mi. | 19.689 mi. | 19.809 mi.

KEA'AU–PAHOA ROAD | PAHOA–KALAPANA ROAD

ROUTE CONTINUED ON SHEET #3

SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided

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

Number of Traffic Lanes: 2 – 12'; 2 – 10'; 2 – 11'; 2 – 12'

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

(Right Side): 11' T.L.; 11' M.L.

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless noted otherwise.

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

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62): A; B; A; A

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45): B; A; B; A; B; B; D; C; B; C; B; B; A; B; C; D; C; B; C; D; C; D; A; C

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban (99998); Rural (99999)

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0130 00937; B71 0130 01088; B71 0130 01316; B71 0130 01738

HPMS Sections – AADT 2020: 11,422; 6,700; 5,500; 1,839

HPMS Sections – AADT 2019: 16,200; 8,500; 5,600; 2,700

HPMS Sections – AADT 2018: 15,000; 6,400; 4,000; 2,100

DOD Sections

Census Tracts

Functional Classification: Minor Arterial (4); Major Collector (5)

National Highway System (NHS): On NHS (1); Not on NHS (0)

Previous Projects: Project No., Date and Limits

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

HWY–H–01–69; (RS–0132(3) 1986 Widen and Resurf); RS–SR–0130(19) Resurf 1982

S–0130(9) 1966 (44 + 81.00); County; A–130–01–61 Sect. A (R/W); ER–4(1) 1957, 59 (0 + 00) (207 + 65.07); S–130 (12) 1970

SCALE: (In Miles) 2" = 1 mile

Date Released
November 2000

Revised	
Sept 02	J.K.
Feb. 04	D.B.
May 04	D.B.
Sept 04	D.B.
7/06	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

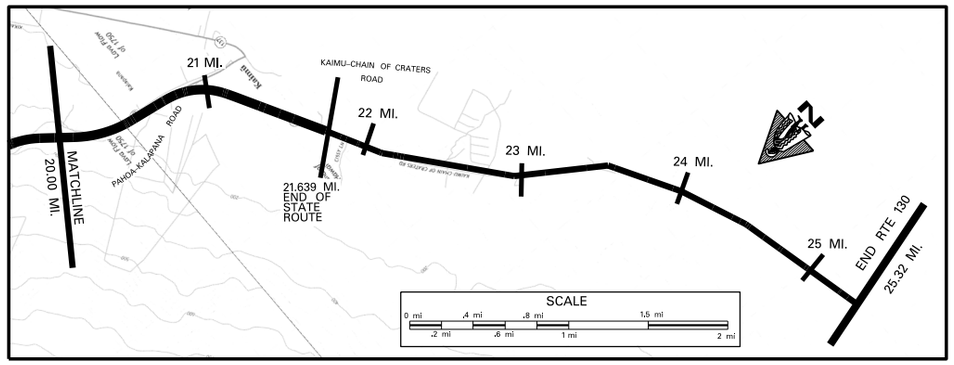
ROAD INVENTORY
HAWAII RTE 130
PAHOA–KALAPANA ROAD, KAIMU–CHAIN OF CRATERS ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Designated Route Length:	21.639	MILES (a+b)
a. Existing Length:	21.639	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	21.639	MILES (a+b, less c)
a. Existing Length:	21.639	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' (20.78); 125' – 580' (20.78–21.32); 155' (21.32–21.78); 120' (21.78–21.89); 155' – 170' (21.89–22); 150' (22–21.639)

Available Right of Way Width (Needs Study): Trees & Brush

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: 130A–01–97M 1998 Resurf.

Project No., Type of Construction, and Year Constructed: S–0130(12), 1971 (20.78–21.32); ER – 9(3) New Alignment. 1980

150' (20.78); 140' (20.91); 120' (20.91–21); 130' (21–21.09); 100'–110' (21.09–21.32); 120' (21.32–23.33); 130'–145' (23.33–23.46); 170' (23.46–23.57); 150' (23.57–23.78); 80' (23.78–25.32)

Trees & Brush

Residential (23.78–24.60): SW (23.78–24.03); SW (24.03–24.43); SW (24.43–24.60); SW (24.60–24.78); WW (24.78–24.90); WW (24.90–25.32)

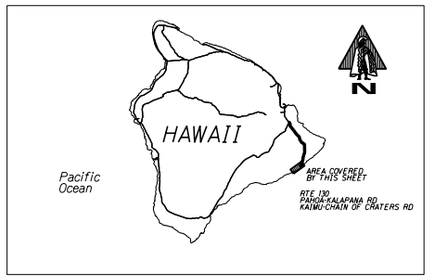
Clear 1000' Lava Rock 10' from E.P. (24.60–25.32)

None

County (GIVEN BY STATE OCT. 1, 2014)

ER – 9(3) New Alignment, 1980 (23.78–25.32)

130A – 01–79M PMS – 0100(8), Unit 3, Resurf, 1978



Road Diagram

* MP = Milepost Signage

ROUTE CONTINUED FROM SHEET #2

Old Kalapana Rd (20.226 mi.); Aiha Rd. (20.607 mi.); Begin Divided Hwy (20.781 mi., 20.778 mi.); 20 MP; Access Rds to Pahoa–Kalapana Rd (20.959 mi.); End Divided Hwy (21.121 mi.)

PAHOA–KALAPANA RD — KAIMU–CHAIN OF CRATERS ROAD

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH "HI VIDEOLOG & TB FEATURES DATABASE."

END RTE 130 ON KAIMU–CHAIN OF CRATERS ROAD 300 FT BEFORE 21 MILE POST. 21.639 mi.*

21 MP (21.696 mi.); 1992 Lava Flow & Road Barricade (21.82 mi.); 22 MP (22.72 mi.); Lokelani St., Lava Flow & Road Barricade (22.90 mi., 22.82 mi.); Keone Dr. (23.13 mi.); 23 MP (23.73 mi.); Access to Kalapana Bch. Rd., Lava Flow (23.59 mi.); Road (24.17 mi.); 24 MP (24.37 mi.); Coconut Palm Dr., Royal Palm Dr. (24.59 mi., 24.49 mi.); Road to Queen's Bath (24.93 mi., 24.90 mi.); (24.93 MP); Cattle Guard Road (25.13 mi., 25.31 mi.)

KAIMU–CHAIN OF CRATERS ROAD

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

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type: 10' Gravel; 10' AC; 10' AC

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

Shoulder: Width and Type: 10' Gravel; 0; 10' AC

Median: Width and Type: 0' –10' Painted Median (.78–.01)

Shoulder: Width and Type: 0

Pavement: Width and Type: 12' AC

Shoulder: Width and Type: 10' AC

10' AC; 24' AC; 10' AC; 6' AC; 22' AC (23.78); 6' AC

Number of Traffic Lanes: 2 – 12'; 2 – 12' (23.78); 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 — All Metal Rails on Metal Posts unless noted otherwise.

Illumination: Type, Location and Number

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62): A; A (21.28)

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45): C (20.78); D (20.78–20.91); C (20.91–21.32); B (21.32–21.78); A; A; A (23.63)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural (99999); Rural (99999)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Rolling (2) (22.07–24.37); Flat (1)

Speed: 1–Design, 2–Posted: 55 MPH (2) Minimum 40 MPH (2); 45 MPH (2) (.69–.81); Not Posted 35 MPH (2) (.81–.92); 45 MPH (2); 35 MPH (2) (21.78–22.07); 25 MPH (2) (22.07–22.49); 35 MPH (2) (22.49–23.29); Not Posted 25 MPH (2) (23.29–25.32)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0130 01738; B71 0130 02080; B71 0130 02150

HPMS Sections – AADT 2020: 1,839; 765

HPMS Sections – AADT 2019: 2,700; 2,240

HPMS Sections – AADT 2018: 2,100 (20.08); 2,200

DOD Sections

Census Tracts

Functional Classification: Major Collector (5); Major Collector (5)

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

Previous Projects: Project No., Date and Limits

S–130 (12), 1971 (20.94); 2 + 35.88

County A–130–01–60 (Sec. C) 1964 (23.78–23.93); 91 + 50; 130A – 01 – 79 M PMS – 0100(8), Unit 3 (23.78–23.93); S–130(1) 1964; 10 + 52.12

SCALE: (In Miles) 2" = 1 mile

Date Released	
November 2000	
Revised	
7/06	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

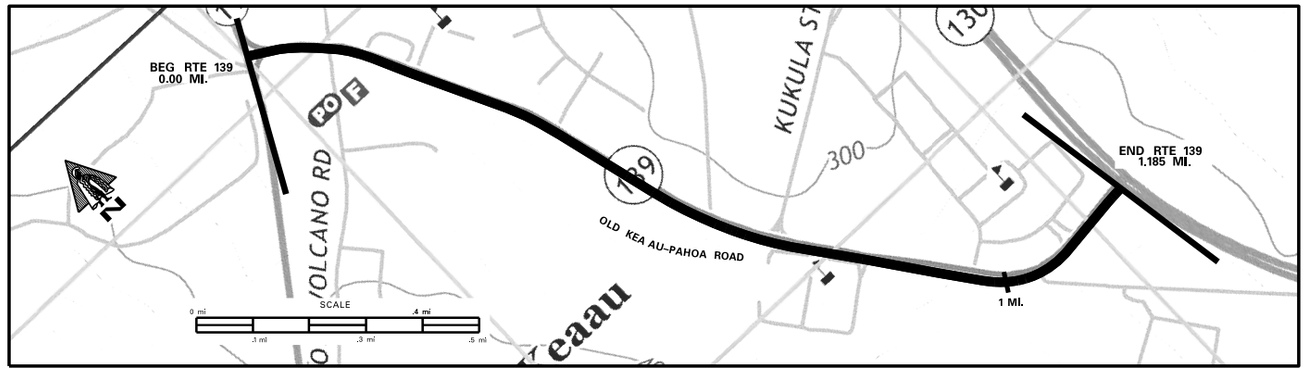
ROAD INVENTORY

HAWAII RTE 139
OLD KEA'AU – PAHOA ROAD

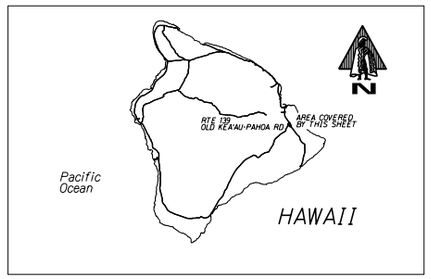
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Route Length: 1.185 **MILES**
a. Survey Length: 1.185 **MILES**
b. Proposed Length: 0.00 **MILES**
c. Other Length: * 0.00 **MILES**



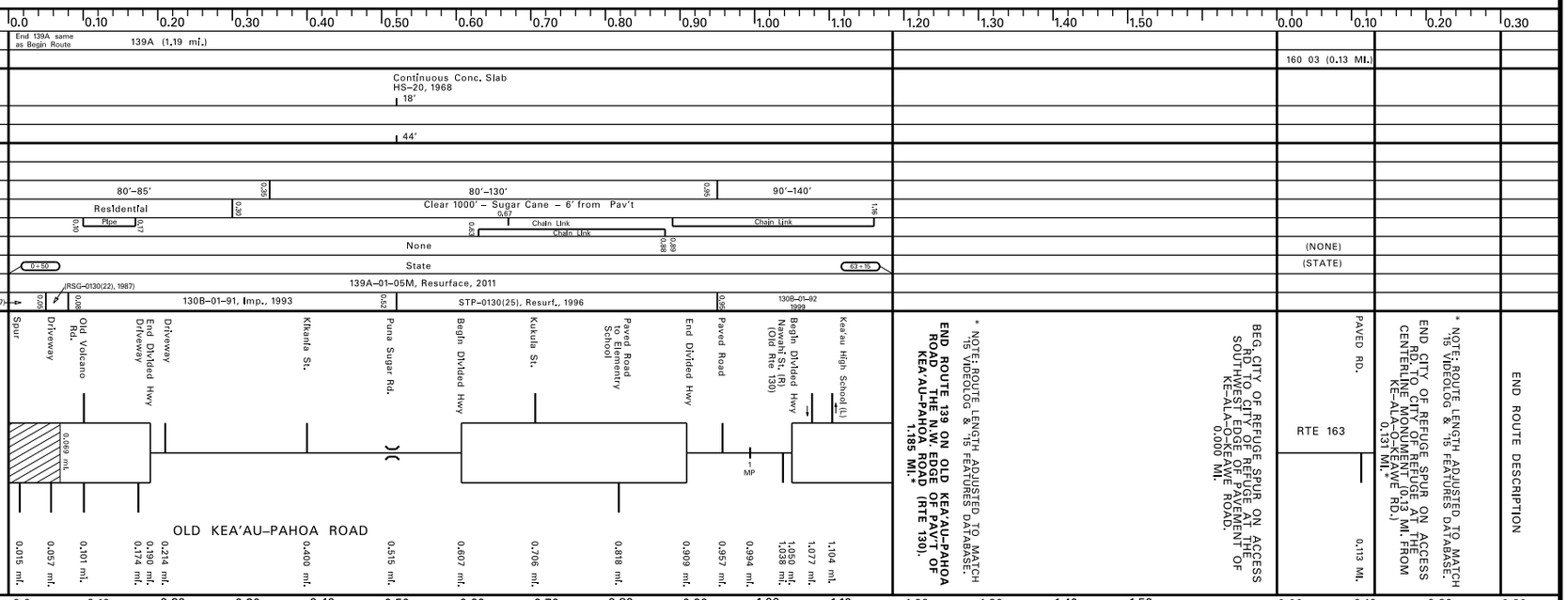
		SCALE: (In Miles) 10" = 1 mile
		Maintenance Control Sections : Length and Description
Structure Carrying Road		Bridges (Over 20'): Length, Type, Capacity and Year Constructed
		Vertical Clearance
		Horizontal Clearance
Structure Over Road		Vertical Clearance
		Horizontal Clearance
		Right of Way Width (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



Date Released
June 1999

Revised	
7/04	D.B.
7/06	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	EPJ
12/13	EPJ
7/14	D.B.
1/16	EPJ
1/17	EPJ
2/18	D.B.
11/18	D.B.
12/20	EPJ

ROAD INVENTORY

HAWAII RTE 190
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

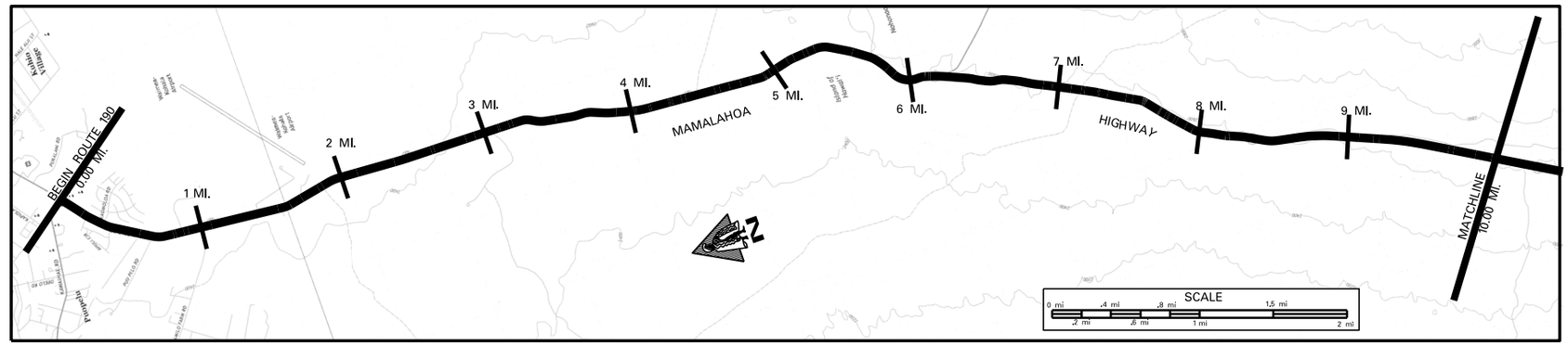
Total Route Length: 38.965 miles

a. **Survey Length:** 38.965 miles

b. **Proposed Length:** 0.00 miles

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

*



SCALE: (In Miles) 2" = 1 mile

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

Structure Carrying Road
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: SLAB 1930, H-15 (21'); 3 PLATE CULVERTS 1980, HS-20 (37')
- Vertical Clearance
- Horizontal Clearance: 24'; 40'

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.-max.) if varies: 70'; 8.42 100'-145'; 8.63 80'-90'; 9.76 100'-145'

Available Right of Way Width (Needs Study): RESIDENTIAL, FARMS, RANCHES (1.20); 1000' CLEAR – PASTURES – 10'-15' FROM PAVEMENT; 9.73 CLEAR 1000' – PASTURELAND W/ LAVA ROCK AND SOME TREES

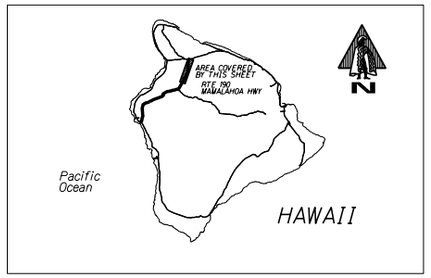
Right of Way Fence: Type – Right and Left: 0.15 WIRE ON WOOD – 10' FROM PAVEMENT; 1.20 WIRE ON WOOD – 10' FROM PAVEMENT

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE (TRANSFER C to S 12/7/21) (1.20); PHASE 2 – COUNTY TO STATE (RS-0190 (8), 1988 (R)); STATE

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed: (STP-019-1(24), 2000 RESURF., IMPRV. (ALSO SEE RTE 19)); 0.10 WDRC 12(1), 1947; 1.00 190E-01-98M, RESURF., 1999; 4.96 4.20 190DE-01-99M, 2000 (RESURF.); 9.74



Road Diagram

* MP=Milepost Signage

BEGIN RTE 190 ON MAMALAHOA HIGHWAY AT THE SOUTHWEST EDGE OF PAVEMENT OF MAMALAHOA HIGHWAY AND LINDSEY ROAD (RTE 19). 0.000 MI.

MAMALAHOA HWY

- 0.053 MI. DRIVEWAY
- 0.211 MI. WAIMEA MID. SCHL.
- 0.381 MI. END DIV.
- 0.384 MI. BEG. DIV.
- 0.385 MI. END DIV.
- 0.391 MI. BEG. DIV.
- 0.593 MI. AHUILI CIRCLE
- 0.675 MI. END DIVIDED
- 0.829 MI. KAMOLOKAHI RD.
- 0.868 MI. BEG. & BEG. DIVIDED
- 0.994 MI. BEA LAVAU LN
- 1.000 MI. PUU OPELU RD
- 1.114 MI. ENT. TO PARKER RANCH
- 1.200 MI. ROAD TO PARKER RANCH HQ.
- 1.555 MI. ALAPOHA BLVD
- 1.702 MI. PAVED ROAD 1.555 MI.
- 2.019 MI. WAIMEA-KOHALA AIRPORT ROAD
- 3.000 MI.
- 4.007 MI.
- 4.523 MI. ROAD CULVERT
- 4.649 MI. KAMAKOA BR. #1
- 4.996 MI.
- 5.681 MI. ROAD TO QUARRY (EAST HAWAII CONCRETE)
- 5.974 MI.
- 6.232 MI. SADDLE ROAD (RTE 200)
- 7.013 MI.
- 7.556 MI. KAMAKOA BR. #2
- 7.981 MI.
- 8.964 MI. ROAD
- 9.950 MI.

FORMERLY END OF SJ 190 — STATE TREE NURSERY TELEM. STA. 190010 — END ST. HWY SIGN 1.081 – MP — PAVED RD. — 1.004 BEGIN ST. HWY SIGN (+) — 1.005 END ST. HWY SIGN (–) — 1.200 MI.

CONTINUED ON SHEET #2. 10.000 MI.

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided
- Shoulder: Width and Type: (0'-10' AC) (8'-3' AC) 25' GRASS; 4' AC; (20' AC)
- Pavement: Width and Type: (33' AC) 22' AC; 22' AC (11' AC); 22' AC; 24' AC; 24' AC; 22' AC
- Shoulder: Width and Type: 0 GRASS 15' GRASS; 4' AC
- Median: Width and Type: (0'-5' PAINTED AC) (0'-9' PAINTED AC); (10'-0' PAINTED AC)
- Median Barriers:
- Shoulder: Width and Type
- Pavement: Width and Type: (11' AC)
- Shoulder: Width and Type: (5' AC)

Number of Traffic Lanes: (2-11') (1-11'); 2-11'; 2-12'; 2-12'; (2-10'); 2-11'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 11' T.L.; 10' T.L.

(Right Side)

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

Sidewalk: Width and Type (Right and Left): 4' C, S,W. .051; 1.000 8' C, S,W, .029; 1.059 8' C, S,W, .173)

Curb and/or Gutter: Type (Right and Left): C. C.&G. .051; C, C&G,

Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless noted otherwise.

Illumination: Type, Location and Number: MV

Curves Class: +/- Degree (A(0-3.45) B(3.45-5.44) C(5.44-8.48) D(8.48-13.85) E(13.85-28.62) F(<28.62): AB 0.36; A 0.66; B 0.75; AB 1.42; A 3.24; C B 3.43; A 3.67; B 3.75; AB 4.95; A 5.30; C 5.42; A 5.87; C B 6.12; A 6.51; B 6.65; A 7.25; B 7.41; A 7.95; B 8.03; A 9.01

Superelevation (Range)

Grades Class: +/- % (A(0-.45) B(.45-2.45) C(2.45-4.45) D(4.45-6.45) E(6.45-8.45) F(<8.45): B; A 1.09; B 1.62; A 1.77; B; C 2.19; B 2.25; C 2.43; A 2.57; C 2.62; D 2.87; 2.96; 3.03; A 3.35; B; 4.73; C 5.01; B 5.11; A 5.23; B 5.43; C 5.53; A 5.80; B 5.91; C 6.02; A 6.33; B 6.53; A 6.58; B 6.67; A 6.88; B 7.10; C 7.38; B; 8.68; A 9.01; B 9.88; (C)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: SMALL URBAN (99998) 2.019; RURAL (99999)

Terrain: 1-Flat, 2-Rolling, 3-Mountainous: FLAT (1) .369; 1.44; ROLLING (2)

Speed: 1-Design, 2-Posted: 35 MPH (2) .001; 50 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): P71 0190 00107; B71 0190 00171; B71 0190 00900

HPMS Sections – AADT 2020: 6,100; 6,000; 5,034

HPMS Sections – AADT 2019: 6,800; 6,527; 6.26; 6,600

HPMS Sections – AADT 2018: 6,800; 1.71; 6,464; 6,053

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4)

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

Previous Projects: Project No., Date and Limits
- 4.53 RS-0190(8) 1988, (R)
- (RS-0190(5), 1980) — 7.47 — 7.66
- WDRC 12(1) 1947; 1.00 RS-0190(7), RESURF, & REALIGN,, 1987; 4.53; 5.45; 19 DE-01-88; 8.38 RS-0190(2), 1979; 9.09
- WDRC 12(1) 1948; 6.26; COUNTY; 9.15 F-10(6), 1953; 9.75 (232 + 50) (199 + 50); FAP 10-C(1), 1938

SCALE: (In Miles) 2" = 1 mile

Date Released	
OCT 05,	D.B.
Revised	
7/06	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

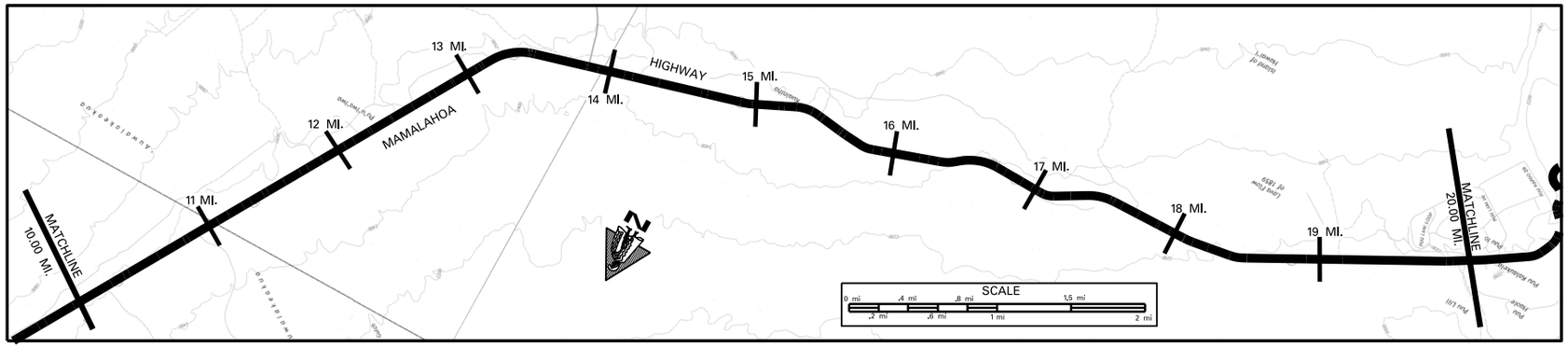
ROAD INVENTORY
HAWAII RTE 190
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 38.965 miles
a. Survey Length: 38.965 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description: 190 D (7.26 MI.); END 190 C – BEGIN 190 D ON MAMALAHOA HIGHWAY, 2270' SOUTH OF THE SOUTH END OF KEAMUKU BRIDGE (10.84); 190 C (7.87 MI.)

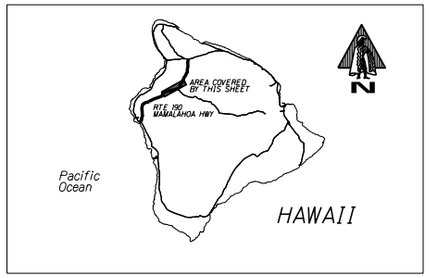
Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: PRESTRESSED CONCRETE GIRDER, HL-93, 2001 — 133' (10.64), 119' (11.72); SLAB 1940, H-15 — 23' (13.06)
Vertical Clearance
Horizontal Clearance: 40', 40', 32'

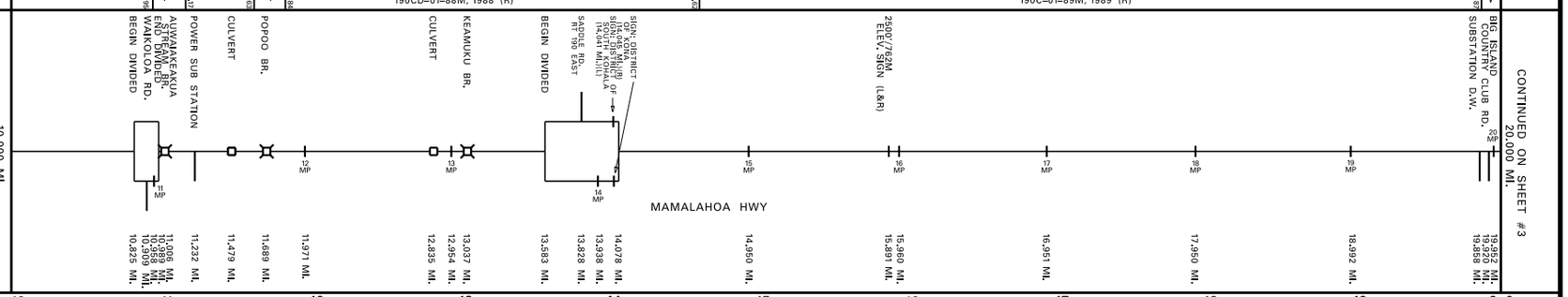
Structure Over Road

Vertical Clearance
Horizontal Clearance

Right of Way Width (min.-max.) if varies: 100' – 145'; 60' – 150' (12.07)
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 (17.90)
Right of Way Fence: Type – Right and Left: WIRE ON WOOD 10' FROM PAVEMENT (13.84); WIRE ON WOOD 10' FROM PAVEMENT; WIRE ON WOOD 10' FROM PAVEMENT (18.34); 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, 11.43); ER-15(22) EMER. ROCKFALL REPAIRS, 2011 (12.04, 16.28); 190BC-02-06M, PVMT. PREVENT. MAINT., 2009 (16.42); (19C-01-70, (RESURF. & REHAB.), 1971) (19.87)
Project No., Type of Construction, and Year Constructed: 190CD-01-88M, 1988 (R) (11.86, 14.02); 190C-01-89M, 1989 (R)



Road Diagram
* MP=Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided
Shoulder: Width and Type: 4' AC; 4'-5' AC; 4' DIRT
Pavement: Width and Type: 22' AC; 14' AC; 21' AC; 18' AC; 22' AC
Shoulder: Width and Type: 4' AC; 0; 4'-5' AC; 0; 5' DIRT
Median: Width and Type: (0-12' PAINTED MEDIAN); (0-12' PAINTED MEDIAN)
Median Barriers:
Shoulder: Width and Type: 0; 0
Pavement: Width and Type: 17' AC
Shoulder: Width and Type: (2-10.5') 4'-5' AC

Number of Traffic Lanes: 2-11'; 2-10.5'; 2-9'; 2-11'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
(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. MCB=Metal on top of Concrete Barrier.
Illumination: Type, Location and Number
Curves Class: +/- Degree (A(0-3.45) B(3.45-5.44) C(5.44-8.48) D(8.48-13.85) E(13.85-28.62) F(<28.62)
Superelevation (Range)
Grades Class: +/- % (A(0-.45) B(.45-2.45) C(2.45-4.45) D(4.45-6.45) E(6.45-8.45) F(<8.45)
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: RURAL (99999)
Terrain: 1-Flat, 2-Rolling, 3-Mountainous: ROLLING (2)
Speed: 1-Design, 2-Posted: 50 MPH (2); 50 MPH (2) – MINIMUM 40 MPH; 35 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year): B71 0190 00900; B71 0190 01380
HPMS Sections – AADT 2020: 5,034; 4,937
HPMS Sections – AADT 2019: 6,600; 6,200
HPMS Sections – AADT 2018: 6,053; 5,951
DOD Sections
Census Tracts
Functional Classification: MINOR ARTERIAL (4)
National Highway System (NHS): NOT ON NHS (0)
Previous Projects: Project No., Date and Limits: RS-0190(8), 1988 (R); 190CD-01-88M, 1988 (R); 19C-01-70 (RESURF & REHAB), 1971; FAP 10-C(1), 1938; FAP E-10B, 1932; FAP 10-A, 1932

SCALE: (In Miles) 2" = 1 mile

Date Released
OCT. 05, D.B.

Revised	
7/06	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

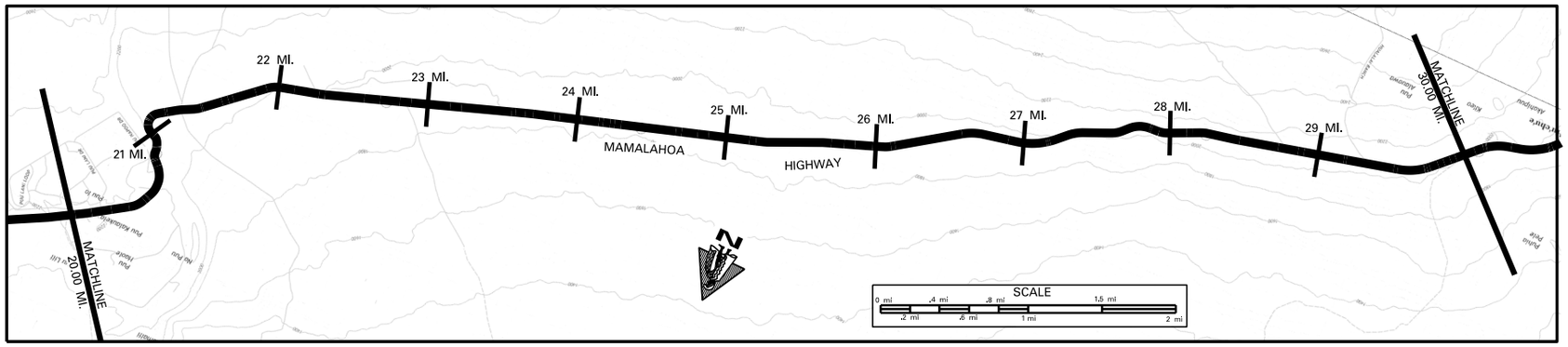
ROAD INVENTORY
HAWAII RTE 190
MAMALAHOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 38.965 miles
a. Survey Length: 38.965 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'; (DRAPE WIRE MESH); 80'–217'; (DRAPE WIRE MESH)

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

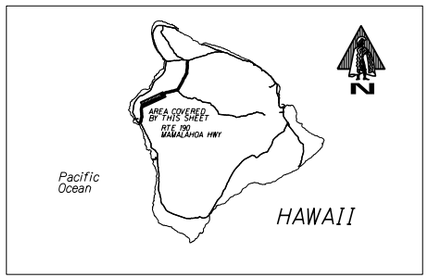
Right of Way Fence: Type – Right and Left: STONE WALL 8' FROM PAVEMENT; WIRE ON WOOD 15'–20' FROM PAVEMENT; CRM WALL; CRM WALL; CRM WALL; (TIE BACK RETAINING WALL); (WIRE ON WOOD – 10' FROM PAVEMENT)

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

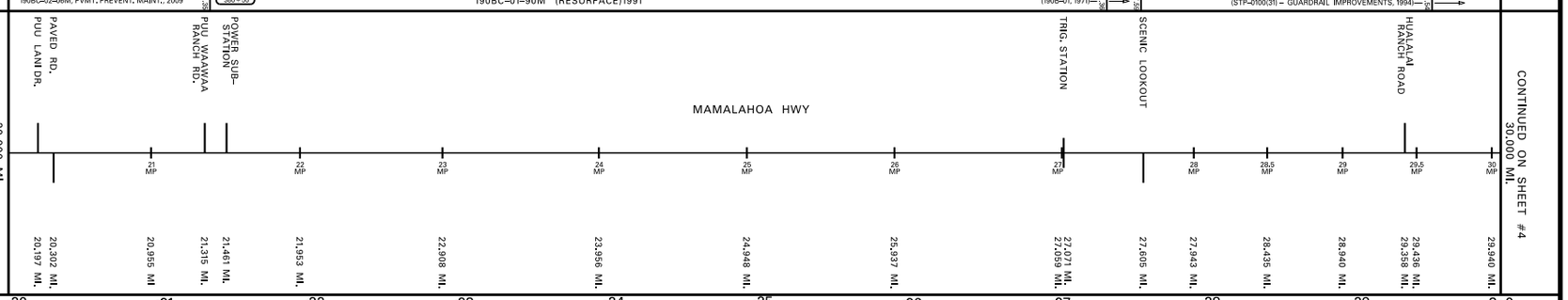
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE

Project No., Type of Construction, and Year Constructed: (STP–0190(016), DRAINAGE, 2018); 190B–02–04M, RESURFACE, 2008; ER–15(22) EMER, ROCKFALL REPAIRS, 2011

Project No., Type of Construction, and Year Constructed: 190BC–02–06M, PVMT. PREVENT. MAINT., 2009; 190BC–01–90M (RESURFACE)1991; (190B–01, 1971); (STP–0100(31) – GUARDRAIL IMPROVEMENTS, 1994)



Road Diagram
* MP=Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided
- Shoulder: Width and Type: 4' DIRT; 3' AC; 7' AC; 7' GRAVEL
- Pavement: Width and Type: 22' AC; 20' AC; 22' AC
- Shoulder: Width and Type: 5' DIRT; 3' AC; 4' AC; 7' GRAVEL
- Median: Width and Type
- Median Barriers:
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type

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

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

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless noted otherwise. CRM WALL

Illumination: Type, Location and Number

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (99999)

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

Speed: 1–Design, 2–Posted: 35 MPH (2); 50 MPH (2); 50 MPH (2); 50 MPH (2) (MINIMUM 40 MPH)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0190 01380

HPMS Sections – AADT 2020: 4,937

HPMS Sections – AADT 2019: 6,200

HPMS Sections – AADT 2018: 5,951

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4)

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

Previous Projects: Project No., Date and Limits: 190B–01–91M (R) 1992; F–10(5), 1956; F–10(5), 1954; 190C–01–70 (RESURF. & REHAB.), 1971; 190BC–01–90M (RESURFACE)1991; 190B–01–71 (RESURFACE) 1971; F 10–A, 1932; (FAP 10–A,1933); (FAP 10–A, 1932); HES–0190(9), (IMPROV.) 1991

SCALE: (In Miles) 2" = 1 mile

Date Released
OCT. 05, D.B.

Revised	
7/06	D.B.
4/09	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

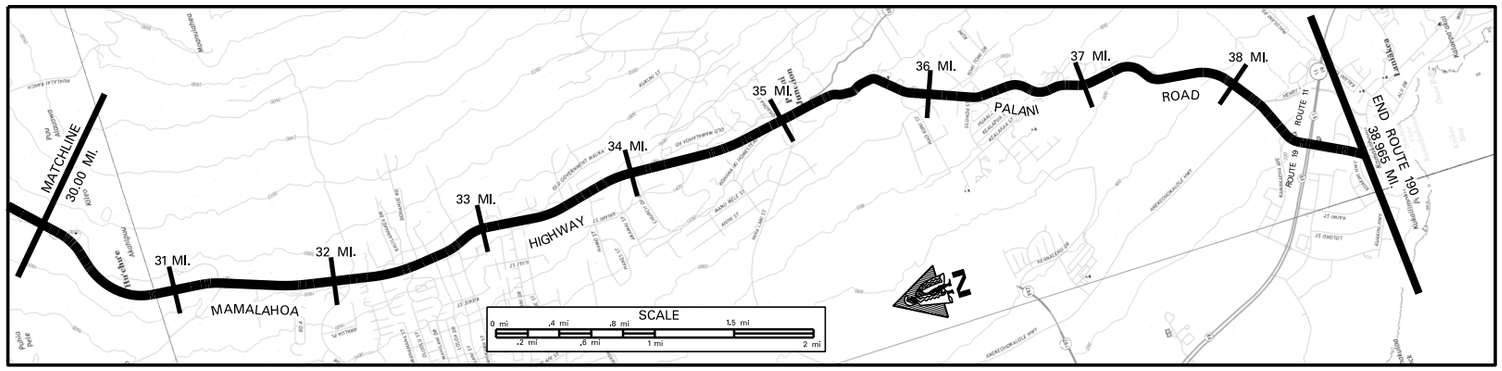
ROAD INVENTORY
HAWAII RTE 190
MAMALAHOA HWY., PALANI RD.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 38.965 miles
a. Survey Length: 38.965 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*

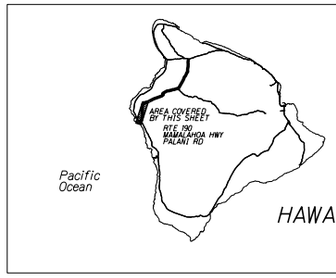


SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description — 190 B (13.91 MI.); BEGIN 190 B ON MAMALAHOA HWY AT THE CENTERLINE OF FASC 180

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

Right of Way Width (min.-max.) if varies: 80'–217'; 40'–60'
Available Right of Way Width (Needs Study): BRUSH, GRASS & LARGE TREES; RESIDENTIAL AREA
Right of Way Fence: Type – Right and Left: DRAPE WIRE MESH; STONEWALL 4'-8' FROM PAVEMENT
Control of Access: 1–None, 2–Partial, 3–Full: NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE; COUNTY
Project No., Type of Construction, and Year Constructed: STP-0190(015),(R),2015
Project No., Type of Construction, and Year Constructed: EP-15(22) EMEC. ROCKFALL REPAIR, 2011; STP-0100(31) – GUARDRAIL IMPRV. 1994



Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP=Milepost Signage

CONTINUED FROM SHEET #3 — 30.000 MI.

2000'/610M ELEV. SIGNS; HUEHUE RANCH ROAD; ROAD (R) MAKALOA GOLF COURSE (L); ROAD; PUUKALA ST.; ROAD (R) MAKALOA DR. (R); ROAD (L) MAKALOA DR. (L); END DIVIDED; BEGIN DIVIDED; KAALEE ST.; END DIVIDED; BEGIN DIVIDED; KAMINANI DR.; MATSUYAMA ST.; KALAOA ST.; HAMO STREET; OLD ALENUIHAHA RD.; KALAOA ST.; AHIKAWA ST.; ACCESS RD.; HOLY ROSARY MAHILANI DR.; KALAOA SCHOOL ROAD; END DIVIDED; BEGIN DIVIDED; AKAMAI ST.; IKI PL.; LIHAU ST. (END DIV.); KALOKO DR.; MAKALAPUA RD.; 1500'/457M ELEV. SIGNS; MAUKA RD. (ELEV. SIGN); END DIVIDED; BEGIN DIVIDED; KONA VIEW DR.; NORTH KONA DR.; MAMALAHOA HWY (RTE 180); END STATE HWY SIGN; END DIVIDED; BEGIN DIVIDED; HAO KUN ST.; END DIVIDED; DRIVEWAY; BEGIN DIVIDED; ROAD TO KONA UNITED METHODIST CHURCH; END DIVIDED; BEGIN DIVIDED; TOM TOM DR.; ULUA 'O 'A ST.; PAMAHOA PL.; IWALANI PL.; LAMANA ST.; MAKA KOA PL.; KONALANI ST.; END DIVIDED; RD. TO WATER TANK; END DIVIDED; BEGIN DIVIDED; HENRY ST. & TANK; KAMAKAEHA AVE; KONA STREET; KAINALU SHOPPING CENTER; KONA KAHUMANU; END DIVIDED; BEGIN DIVIDED; KONA COAST SHOPPING CENTER ROAD; KONA COAST SHOPPING CENTER ENTRY ROADS

MAMALAHOA HWY — PALANI ROAD; (RT XX) ANE KEOHOKALOLE HWY; (RT 19)QUEEN KAAHUMANU HWY

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH 'IS' VIDEOLOG & 'IS' FEATURES DATABASE. END RTE 190 ON PALANI ROAD AT THE NORTHEAST EDGE OF PAVT OF KUAKINI HWY. 38.965 MI.*

SCALE: (In Miles) 2" = 1 mile

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

Number of Traffic Lanes
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
(Right Side)
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left)
Curb and/or Gutter: Type (Right and Left)
Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless noted otherwise.
Illumination: Type, Location and Number
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)
Superelevation (Range)
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: RURAL (99999); SMALL URBAN (99998)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: ROLLING (2); FLAT (1)
Speed: 1–Design, 2–Posted: 50 MPH (2); 50 MPH (2) (MINIMUM 40 MPH); 45 MPH (2); 35 MPH (2); 25 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year): B71 0190 01380; B71 0190 03266; B71 0190 03444; B71 0190 03660; B71 0190 03713; B71 0190 03849; B71 0190 03863
HPMS Sections – AADT 2020: 4,937; 8,906; 14,810; 11,132; 14,907; 9,293; 13,068
HPMS Sections – AADT 2019: 6,200; 11,200; 17,100; 13,600; 18,700; 11,500; 18,600
HPMS Sections – AADT 2018: 5,951; 10,876; 18,365; 14,159; 19,186; 12,300; 18,263
DOD Sections
Census Tracts
Functional Classification: MINOR ARTERIAL (4); MAJOR COLLECTOR (5)
National Highway System (NHS): NOT ON NHS (0)
Previous Projects: Project No., Date and Limits
190B-01-91M, (R), 1992; 190B-02-91, (IMPRV.), 1993; 190B-01-91M, (R), 1992; 190B-01-86M, (R) 1986; 190B-02-71, RESURF., 1971; F-10(5), 1956; F-10(5), 1954; COUNTY TO STATE – PHASE 3

SCALE: (In Miles) 2" = 1 mile

Date Released
OCT. 05, D.B.

Revised	
7/06	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

ROAD INVENTORY
HAWAII RTE 197
KEALAKEHE PARKWAY

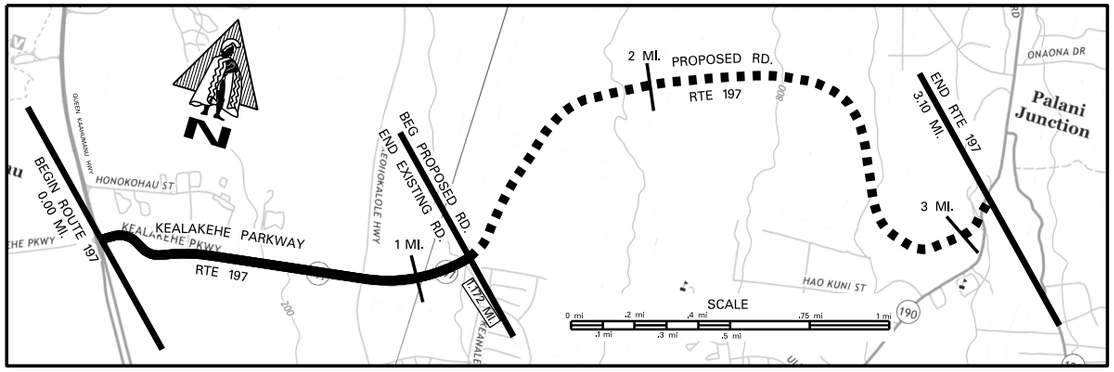
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 3.10 miles
- a. Survey Length: 1.172 miles
- b. Proposed Length: 1.928 miles
- c. Other Length: * 0.00 miles

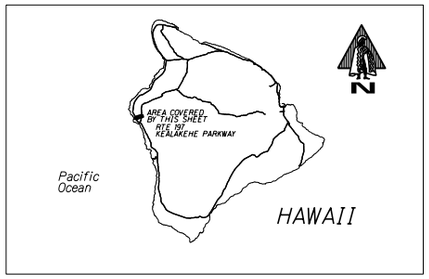
*



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
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): STATE
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 RTE 197 ON KEALAKEHE PARKWAY AT THE NORTHEAST EDGE OF PAVEMENT OF QUEEN KAAHUMANU HWY (RTE 19). 0.000 mi.

BEGIN DIVIDED 0.045 mi.
KAMANU ST. (L) 0.296 mi.
FUTURE RD. (L & R) 0.577 mi.
ANE KEOHOKALOLE HWY (L & R) RD TO WEST HAWAII CIVIC CENTER (L) 0.717 mi.
FUTURE RD. (L) 0.839 mi.
1.007 mi.

KEALAKEHE PARKWAY

END EXISTING ROAD (BEGIN PROPOSED ROAD) @ CENTERLINE OF KEANALEHU DRIVE (RIGHT). 1.172 mi.*

PROPOSED ROAD

END RTE 197 ON PROPOSED ROAD AT SOUTH EDGE OF PAVEMENT OF PILANI ROAD. 3.10 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '15 VIDEOLOG & '15 FEATURES DATABASE.

END ROUTE DESCRIPTION 0.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided — Shoulder: Width and Type: 12' AC | 0.27 | 2' AC | 0.70 | 0'–14' AC | 1.03 | 0
Undivided — Pavement: Width and Type: (24' AC) | 12' AC
Undivided — Shoulder: Width and Type: (12' AC) | 0 | 3' AC
Median: Width and Type
Median Barriers: .045 | 12' PAINTED AC | (6' AC (FLUSH) AC CURBS BOTH SIDES) | 1.01 | (6'–15' AC (FLUSH) AC CURBS BOTH SIDES)
Shoulder: Width and Type: 0 | 0.70 | 3' AC
Pavement: Width and Type: 12' AC | .121' | 24' AC | .979 | 12' AC
Shoulder: Width and Type: 12' AC | 0.27 | 2' AC
Number of Traffic Lanes: 2–12' | .121' | 1–12' / 2–12' | .979 | 2–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 11' AC | .46'
(Right Side): .126' | .96' | .79' | 11' AC | .58' | .697'
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left): .273' | 2' CONC. S.W.
Curb and/or Gutter: Type (Right and Left): .273' | GUTTER, CONC. CURB / CONC. CURB
Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless noted otherwise.
Illumination: Type, Location and Number: .247 | .209' | HPS LEFT SIDE ONLY
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62): A | .003 | D | .029' | A
Superelevation (Range)
Grade Class: +/_ % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45): C | .030 | E | .046 | D | .095 | F | .107 | E | .136 | (D)
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: SMALL URBAN (99998)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: .209' | ROLLING (2)
Speed: 1–Design, 2–Posted: 25 MPH (2) | .216' | 35 MPH (2) | .882'
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Station (Current Year): B71 0197 00029
HPMS Sections – AADT 2020: 3,969
HPMS Sections – AADT 2019: 5,600
HPMS Sections – AADT 2018: 5,300
DOD Sections
Census Tracts
Functional Classification: MINOR ARTERIAL (4) | MINOR ARTERIAL
National Highway System (NHS): NOT ON NHS (0)
Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 4" = 1 mile

Date Released
MAY 2014

Revised	
1/16	EPJ
1/17	EPJ
2/18	DB
11/18	DB
12/20	EPJ

ROAD INVENTORY

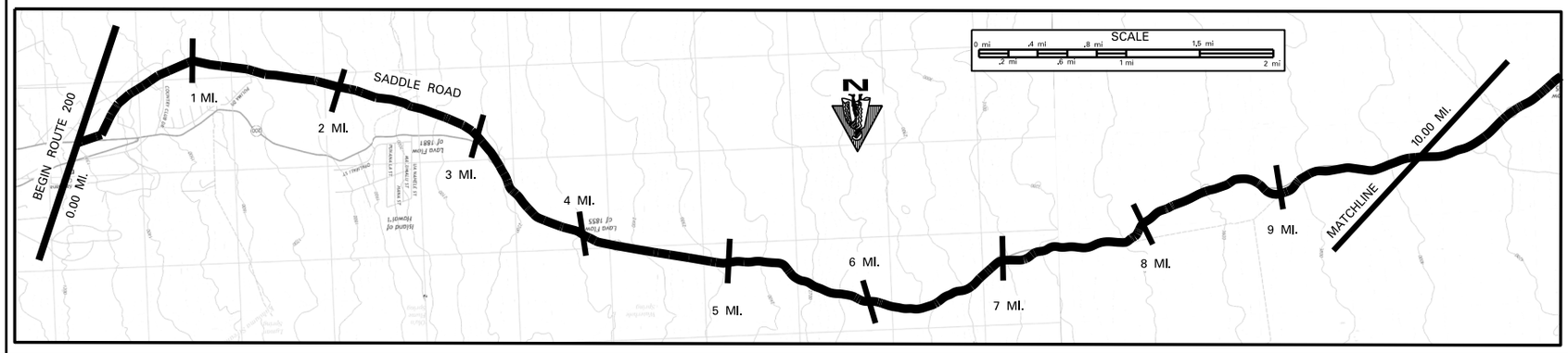
HAWAII RTE 200
SADDLE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

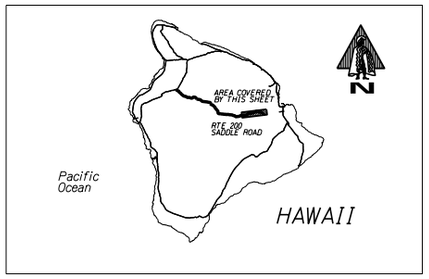
Total Route Length: 45.62 **miles**
a. Survey Length: 45.62 **miles**
b. Proposed Length: 0.00 **miles**
c. Other Length: * 0.00 **miles**
*

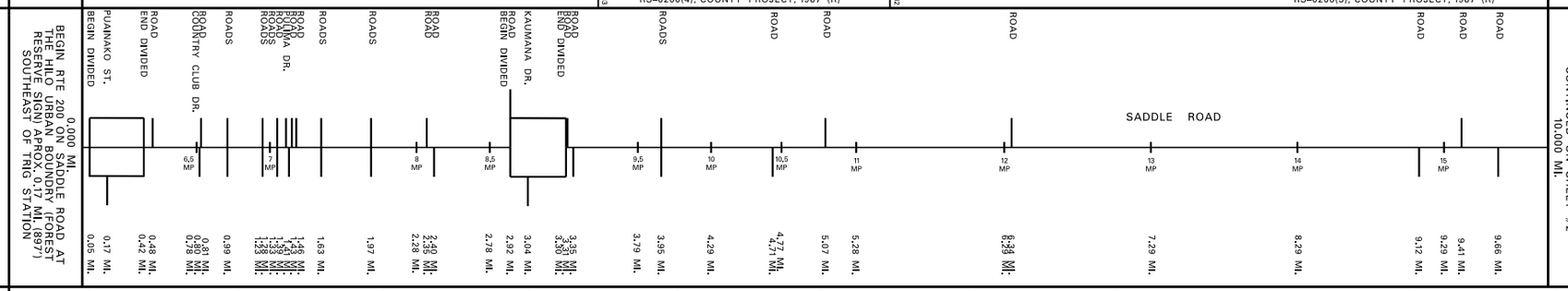


	0–10 mi (SCALE: (In Miles) 2" = 1 mile)
Maintenance Control Sections : Length and Description	
Structure Carrying Road – Bridges (Over 20'): Length, Type, Capacity and Year Constructed	
Vertical Clearance	
Horizontal Clearance	
Structure Over Road – Vertical Clearance	
Horizontal Clearance	
Right of Way Width (min.–max.) if varies	VARIES 50'–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)	STATE
Project No., Type of Construction, and Year Constructed	DEM–0200(10), 2010
Project No., Type of Construction, and Year Constructed	1.13 RS–0200(4), COUNTY PROJECT, 1987 (R) 3.12 RS–0200(3), COUNTY PROJECT, 1987 (R)

Road Diagram

* MP=Milepost Signage





CONTINUED ON SHEET #2 10.000 MI.

	0–10 mi (SCALE: (In Miles) 2" = 1 mile)
Divided Highway – Undivided – Shoulder: Width and Type	9' AC; 9' AC; 9' AC; 4' AC; 3.12 10' DIRT; 3.96 4' AC; 4.63 10' DIRT; 6.30 4' AC; 6.58 2' AC/10' DIRT
Pavement: Width and Type	12' AC; 24' AC; 12' AC; 1.13; 3.60; 22' AC
Shoulder: Width and Type	0; 9' AC; 0; 4' AC; 3.12 10' DIRT; 3.96 4' AC; 4.63 10' DIRT; 6.30 4' AC; 6.58 2' AC/10' DIRT
Median: Width and Type	10' Painted AC .05 .42; 20' Painted AC .92 .31; MILLED SHOULDERS RUMBLE STRIPS (3.60–43.20)
Median Barriers:	
Shoulder: Width and Type	0; 0
Pavement: Width and Type	12' AC; 12' AC
Shoulder: Width and Type	9' AC; 9' AC
Number of Traffic Lanes	2–12'; 1.13; 2–11'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	.09 .32; .96 .20
(Right Side)	.05 .17 .34; .97 1–12' TRUCK CLIMBING LANE; .87 .04 .34; 1–12' TRUCK CLIMBING LANE
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	N/A
Curb and/or Gutter: Type (Right and Left)	.075 .054
Protective Devices: Type, Location and Number All Metal Rails on Metal Posts unless noted otherwise.	
Illumination: Type, Location and Number	
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)	C 0.10 A C B 0.19 A 0.35 BA 0.50 BA 0.62 BD 0.72 AB 0.82 AB 0.94 CB 1.08 AC 1.27 AC 1.55 BAB 1.71 A 2.50 BA 2.60 BA 2.69 C 2.81 BA 2.90 DA 3.03 C 3.23 BAB 3.42 AB 3.50 A 5.34 B 5.52 A 5.65 B 5.74 A 6.21 B 6.39 A 6.50 B 6.70 A 6.85 B 7.01 A 7.19 B 7.35 A 7.45 B 7.54
Superelevation (Range)	
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)	F 0.13 E 0.38 C 0.45 B 1.23 C 1.42 D 1.50 E 1.73 C 2.20 D 2.87 C 3.09 D 3.15 F 3.34 D 3.59 B 3.90 C 4.05 D 4.23 E 4.89 D 5.11 E 5.66 D 5.91 C 6.10 D 6.71 E 6.94 D 7.42 C
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	RURAL (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	ROLLING (2)
Speed: 1–Design, 2–Posted	(NOT POSTED) .188 35 MPH (2) .619 45 MPH (2) .960 .770 55 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Stations (Current Year)	B71 0200 00015
HPMS Sections – AADT 2020	280
HPMS Sections – AADT 2019	330
HPMS Sections – AADT 2018	4,925
DOD Sections	
Census Tracts	
Functional Classification	MINOR ARTERIAL (4)
National Highway System (NHS)	NOT ON NHS (0)
Previous Projects: Project No., Date and Limits	

SCALE: (In Miles) 2" = 1 mile 0 1 2 3 4 5 6 7 8 9 10

Date Released	
NOV. 05, D.B.	
Revised	
7/06	D.B.
9/07	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

ROAD INVENTORY
HAWAII RTE 200
SADDLE ROAD

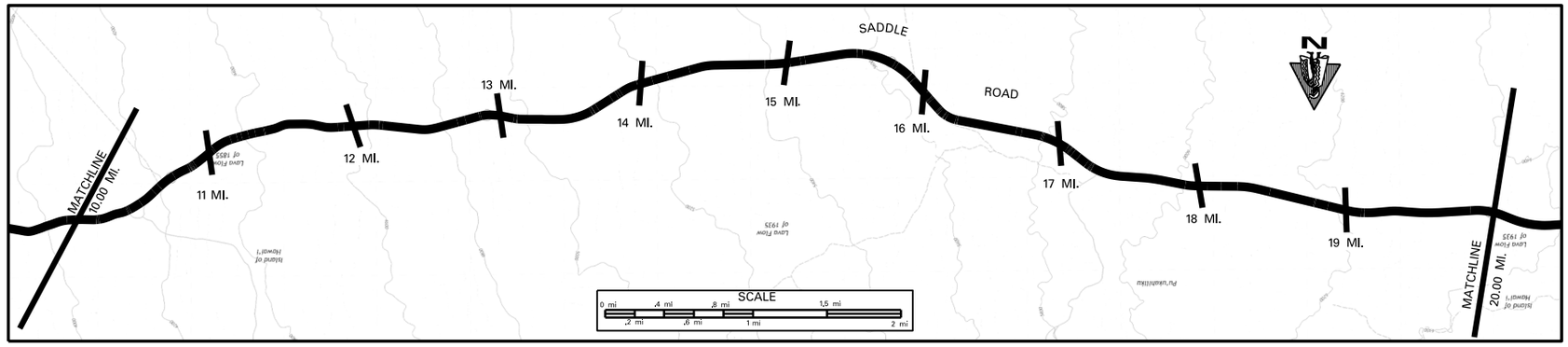
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 45.62 miles
- a. Survey Length: 45.62 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

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' (13.38); VARIES 170'–196'

Available Right of Way Width (Needs Study): BRUSH, GRASS AND TREES (13.38); 1000' CLEAR– LAVA ROCK – 10'–15' FROM EDGE OF PAVEMENT

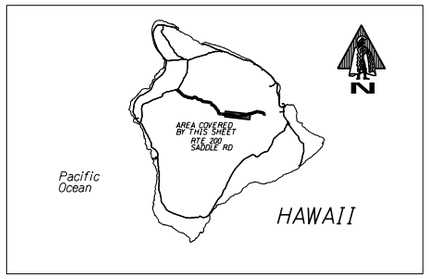
Right of Way Fence: Type – Right and Left: (WOOD ON WOOD 40' FROM E.P.) (17.13, 19.48)

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

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

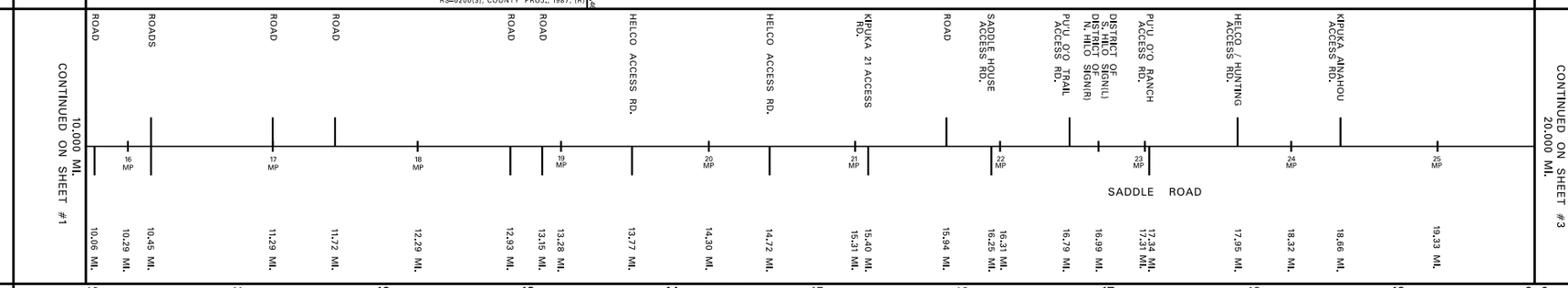
Project No., Type of Construction, and Year Constructed: DEM–0200(10), 2010 (13.38); STP 200(1), NEW ALIGNMENT & WIDENING, 2008

Project No., Type of Construction, and Year Constructed: RS–0200(3), COUNTY PROJ., 1987, (R) (13.38–13.46)



Road Diagram

* MP=Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided

- Shoulder: Width and Type: MILLED SHOULDERS RUMBLE STRIPS (3.60–43.20); 2' AC/10' DIRT; 4' AC (.57–.72); 10' DIRT; 10' DIRT; 4' AC (.72–.92); 10' DIRT (.07–.03); 8' AC; (20' AC) (.20–.26); 8' AC; 8' AC; 8' AC
- Pavement: Width and Type: 22' AC (8' AC); 24' AC
- Shoulder: Width and Type: MILLED SHOULDERS RUMBLE STRIPS (3.60–43.20); 2' AC/10' DIRT; 4' AC (.57–.72); 10' DIRT; 10' DIRT; 4' AC (.72–.92); 10' DIRT (10.96); 8' AC; (20' AC) (.20–.26); 8' AC (.94–.89); (20' AC); 8' AC (.20–.27); (20' AC); 8' AC
- Median: Width and Type
- Median Barriers:
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type: MILLED SHOULDERS RUMBLE STRIPS (3.60–43.20)

Number of Traffic Lanes: 2–11' (.33); 2–12'

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

(Right Side): 1–12' TRUCK CLIMBING LANE (.17)

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

Sidewalk: Width and Type (Right and Left): N/A

Curb and/or Gutter: Type (Right and Left): U (.68–.44); U (.88–.86)

Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless noted otherwise.

Illumination: Type, Location and Number

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62): A; AB (12.54); A; B (13.85); A; B (13.92); A

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45): C (10.36); D; E (10.75); D (10.92); D; C (11.64); D (11.84); D (12.03); E; D (12.61); D; E (13.54); D (13.73); D; C (13.92); C; D (14.15); D (14.34); C (14.60); D (14.86); E (14.74); D; E (15.27); C (15.46); C (15.92); B; C (16.37); C (16.61); D (16.74); E (16.96); C (17.26); B (17.48); D; C (18.38); B (18.36); C (18.29); C; B (19.03); B (19.86)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (99999)

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

Speed: 1–Design, 2–Posted: 55 MPH (2); 45 MPH (2) (.347–.472) (.908–.003); 55 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0200 00015

HPMS Sections – AADT 2020: 280

HPMS Sections – AADT 2019: 330

HPMS Sections – AADT 2018: 4,925

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4)

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

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 1 mile

Date Released
NOV. 05, D.B.

Revised	
7/06	D.B.
9/07	D.B.
1/09	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

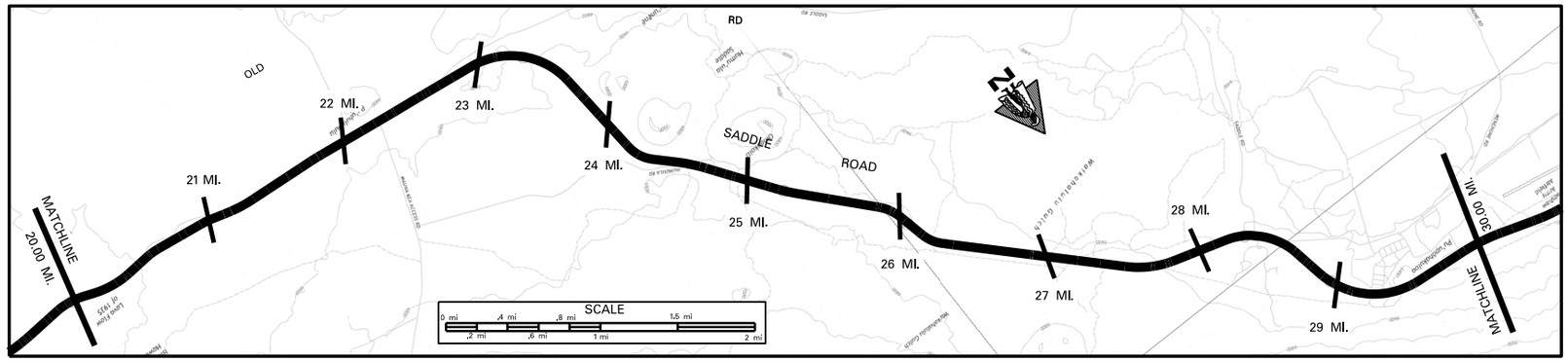
ROAD INVENTORY
HAWAII RTE 200
SADDLE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 45.62 miles
a. Survey Length: 45.62 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*

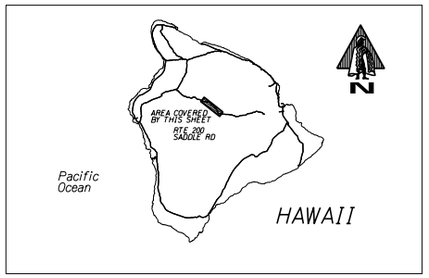


SCALE: (In Miles) 2" = 1 mile

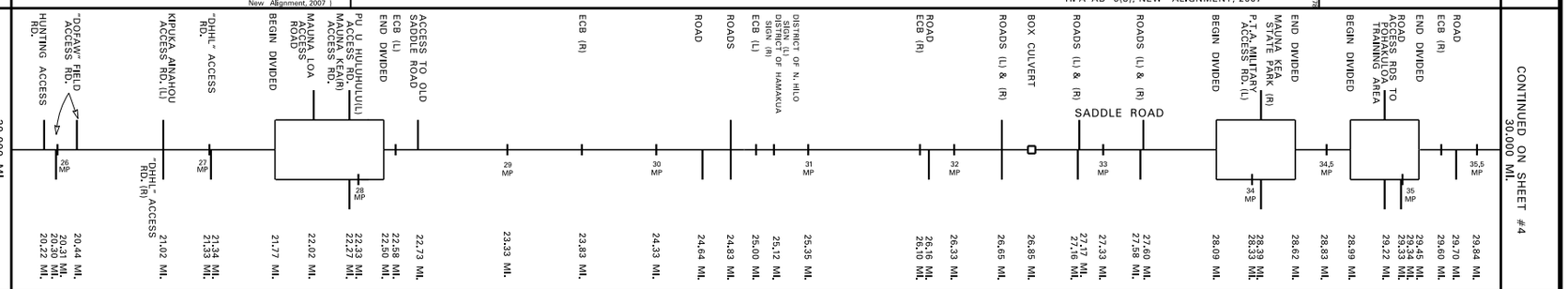
Maintenance Control Sections : Length and Description

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

Right of Way Width (min.–max.) if varies — 196' (22.23) 196' 174' (23.96) 160' (24.33) 140' (24.96) 196' (28.32) VARIES 50'–150'
Available Right of Way Width (Needs Study) — 1000' CLEAR – LAVA ROCK W/ SMALL BUSHES 10'–15' FROM E.P. (27.07) 1000' CLEAR – GRASSLAND W/ BUSHES & SMALL TREES 10'–15' FROM E.P.
Right of Way Fence: Type – Right and Left — (WIRE ON METAL 10' FROM E.P.) (28.32) (28.89)
Control of Access: 1–None, 2–Partial, 3–Full — NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C) — STATE (694 - 00) (22.27) (980 - 00) (26.74)
Project No., Type of Construction, and Year Constructed — (HI–A–AD/STP 6(3), New Alignment, 2007) (HI–A–AD–6(5), NEW ALIGNMENT, (DEFENCE ACC. RD.), 2010) (26.74) (26.96) (27.12) HI–A–AD–6(5), NEW ALIGNMENT, (DEFENCE ACC. RD.), 2010
Project No., Type of Construction, and Year Constructed — HI A–AD 6(3), NEW ALIGNMENT, 2007 (28.32)



Road Diagram
* MP=Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type — MILLED SHOULDERS RUMBLE STRIPS (3.60–43.20) — 8' AC (.59) 16' AC
Pavement: Width and Type — 12' AC 24' AC 12' AC 24' AC 12' AC 24' AC
Shoulder: Width and Type — MILLED SHOULDERS RUMBLE STRIPS (3.60–43.20) — (.95) (18.72) 8' AC 0 8' AC (.59) 0 0
Median: Width and Type — (20' AC) (.77) 0'–20' PAINTED AC (.56) (1.09) 0'–20' PAINTED AC (.62) (.99) 0'–15' PAINTED AC (.45)
Median Barriers:
Shoulder: Width and Type — 0 0 0
Pavement: Width and Type — 12' AC 12' AC 12' AC
Shoulder: Width and Type — MILLED SHOULDERS RUMBLE STRIPS (3.60–43.20) — 8' AC (16' AC WITH 4' WIRE FENCE AT EDGE OF SHOULDER)

Number of Traffic Lanes — 2–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — (.89) (1.02) 1–12' (L) TL (.38) (.27) (.15) 1–12' (R) TL (.90) (.51) 1–12' (L) TL (.28) (.90) (.90) 1–12' (R) TL (.94) (.22) (.13) 12' TLs (.47) (.22) (.13) 12' TLs
(Right Side)
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left) — N/A (.26)
Curb and/or Gutter: Type (Right and Left) — (.17) AC CURB AC CURB (.03) (.50)
Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless noted otherwise.
Illumination: Type, Location and Number
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62) — A (.19) B (.38) A (22.79) B (23.94) A
Superelevation (Range)
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45) — C (.41) B (.36) C (.30) B B (.53) A (.23) B (.64) C (.80) B (.42) C (.60) B (.24) C (.25.94) B (.36) C (.50) D (.78)
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: — RURAL (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous — ROLLING (2) (.76) FLAT (1) (.95) (.29) ROLLING (2) (.52)
Speed: 1–Design, 2–Posted — 60 MPH (2) 45 MPH (2) (.14) (.03) 40 MPH (2) 60 MPH (2) (.95)
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year) — (B71 0200 00015) (B2000) P71 0200 03304
HPMS Sections – AADT 2020 — (280) 5,300
HPMS Sections – AADT 2019 — (330) 5,600
HPMS Sections – AADT 2018 — (4925) 5,300
DOD Sections
Census Tracts
Functional Classification — MINOR ARTERIAL (4)
National Highway System (NHS) — NOT ON NHS (0)
Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 1 mile

Date Released	
NOV. 05, D.B.	
Revised	
7/06	D.B.
9/07	D.B.
1/09	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

ROAD INVENTORY
HAWAII RTE 200
SADDLE ROAD, DANIEL K. INOUYE HWY.

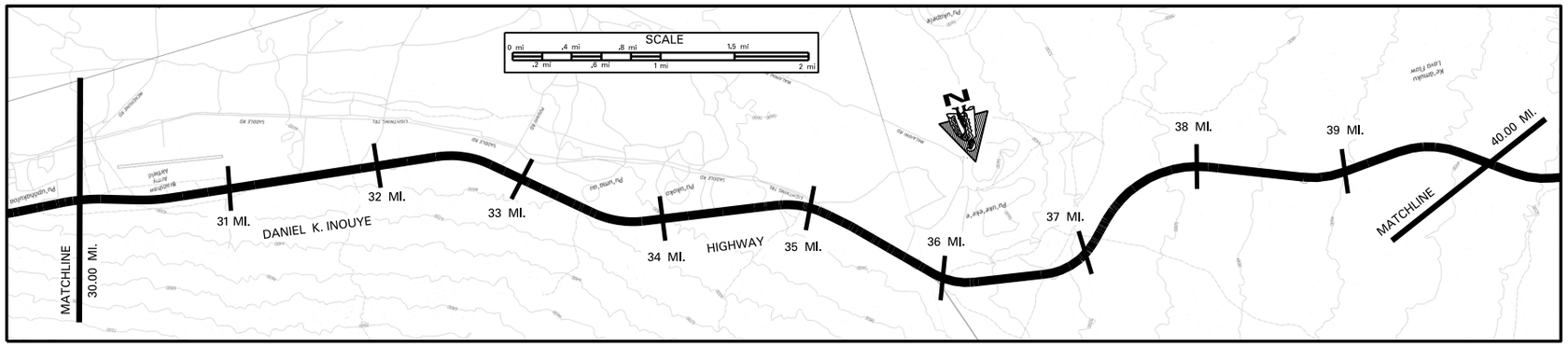
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 45.62 miles
- a. Survey Length: 45.62 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: * 0.00 miles

*

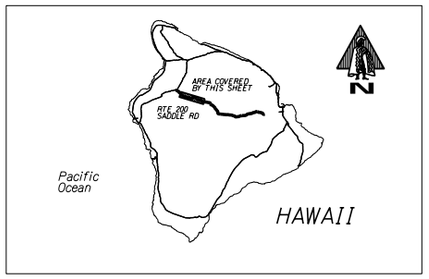


SCALE: (In Miles) 2" = 1 mile

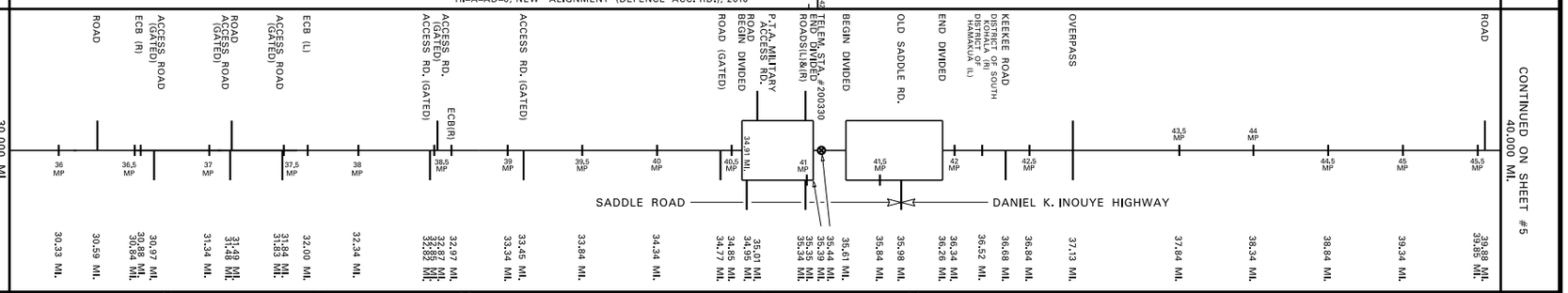
Maintenance Control Sections : Length and Description

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 100'–150'
Available Right of Way Width (Needs Study): 1000' CLEAR– PASTURELAND 30' FROM EDGE OF PAVEMENT
Right of Way Fence: Type – Right and Left: ALL WIRE ON WOOD 30' FROM EDGE OF PAVEMENT; NONE
Control of Access: 1–None, 2–Partial, 3–Full
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE; COUNTY
Project No., Type of Construction, and Year Constructed: HI–A–AD–6(7), NEW ALIGNMENT (DEFENCE ACC. RD.), 2013
Project No., Type of Construction, and Year Constructed: HI–A–AD–6, NEW ALIGNMENT (DEFENCE ACC. RD.), 2010



Road Diagram
* MP=Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway, Undivided:
- Shoulder: Width and Type — MILLED SHOULDERS RUMBLE STRIPS (3.60–43.20)
- Pavement: Width and Type — 16' AC; 24' AC; 12' AC; 24' AC; 12' AC; 8' AC; 24' AC
- Shoulder: Width and Type — MILLED SHOULDERS RUMBLE STRIPS (3.60–43.20) — 16' AC WITH 4' WIRE FENCE AT EDGE OF SHOULDER; 0; 0; 8' AC
- Median: Width and Type — 0'–20' PAINTED AC; 0'–15' PAINTED AC
- Median Barriers:
- Shoulder: Width and Type — 0; 0
- Pavement: Width and Type — 12' AC; 12' AC; (8' AC)
- Shoulder: Width and Type — MILLED SHOULDERS RUMBLE STRIPS (3.60–43.20) — (16' AC WITH 4' WIRE FENCE AT EDGE OF SHOULDER); (16' AC WITH 4' WIRE FENCE AT EDGE OF SHOULDER)

Number of Traffic Lanes: (16' AC WITH 4' WIRE FENCE AT EDGE OF SHOULDER); 2–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 12' TRUCK CLIMBIMG LANE
(Right Side): BRAKE CHECK AREA
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left): N/A
Curb and/or Gutter: Type (Right and Left): AC CURB; AC CURB
Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless noted otherwise.
Illumination: Type, Location and Number
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62): A
Superelevation (Range)
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45): C B B C B E D C B
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: RURAL (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: (ROLLING (2)); FLAT; ROLLING (2)
Speed: 1–Design, 2–Posted: 60 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year): P71 0200 03304
HPMS Sections – AADT 2020: 5,300
HPMS Sections – AADT 2019: 5,600
HPMS Sections – AADT 2018: 5,300
DOD Sections
Census Tracts
Functional Classification: MINOR ARTERIAL (4)
National Highway System (NHS): NOT ON NHS (0)
Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 1 mile

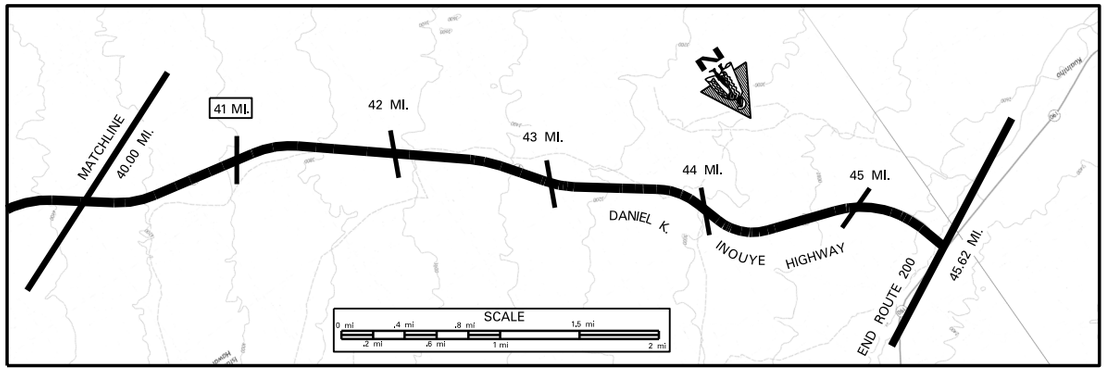
Date Released	
FEB. 2006	D.B.
Revised	
7/06	D.B.
9/07	D.B.
1/09	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

ROAD INVENTORY
HAWAII RTE 200
DANIEL K. INOUYE HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Route Length: 45.62 miles
a. Survey Length: 45.62 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

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: CULVERT-CORR. METAL PIPE 1957, HS-20 (40.72)

Vertical Clearance: 4'

Horizontal Clearance: 16'

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study)

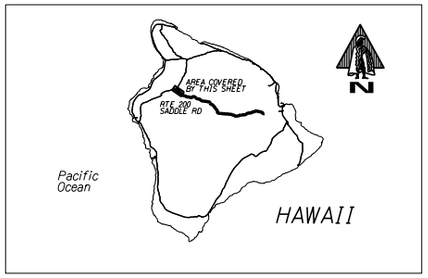
Right of Way Fence: Type - Right and Left: NONE (41.83)

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: HI-A-AD-6(7), NEW ALIGNMENT (DEFENCE ACC. RD.), 2013

Project No., Type of Construction, and Year Constructed



Road Diagram
* MP=Milepost Signage

CONTINUED FROM SHEET #4

40.000 MI.

ROAD | ROADS | RUNWAY TRUCK RAMP | ROAD | BEGIN DIVIDED

46.5 MP, 47 MP, 47.5 MP, 48 MP, 48.5 MP, 49 MP, 49.5 MP, 50 MP, 50.5 MP, 51 MP

DANIEL K. INOUYE HIGHWAY

40.15 MI., 40.85 MI., 41.34 MI., 41.84 MI., 42.13 MI., 42.35 MI., 42.86 MI., 43.12 MI., 43.35 MI., 43.92 MI., 43.86 MI., 44.35 MI., 44.85 MI., 45.35 MI., 45.52 MI.

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

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '21 VIDEOLOG & '21 FEATURES DATABASE.

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type: MILLED SHOULDERS RUMBLE STRIPS (3.60-43.20) — 8' AC

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

Shoulder: Width and Type: MILLED SHOULDERS RUMBLE STRIPS (3.60-43.20) — 8' AC — 0

Median: Width and Type — 0'-10' PAINTED AC

Median Barriers: (.52)

Shoulder: Width and Type — 0

Pavement: Width and Type — 12' AC

Shoulder: Width and Type

Number of Traffic Lanes: 2-12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 12' TRUCK CLIMBING LANE

(Right Side)

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

Sidewalk: Width and Type (Right and Left): N/A

Curb and/or Gutter: Type (Right and Left): CONC. GUTTER (.23 .44) — CONC. GUTTER (.20 .58)

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades Class: +/- % (A(0-.45) B(.45-2.45) C(2.45-4.45) D(4.45-6.45) E(6.45-8.45) F(<8.45)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (99999)

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

Speed: 1-Design, 2-Posted: 60 MPH (2) — 45 MPH (2) (.30 .49) — 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): P71 0200 03304

HPMS Sections - AADT 2020: 5,300

HPMS Sections - AADT 2019: 5,600

HPMS Sections - AADT 2018: 5,300

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4)

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

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 1 mile

Date Released	
NOV. 05,	D.B.
Revised	
7/06	D.B.
8/07	D.B.
1/09	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

ROAD INVENTORY

HAWAII RTE 210
MAUNA KEA OBSERVATORY ACCESS RD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

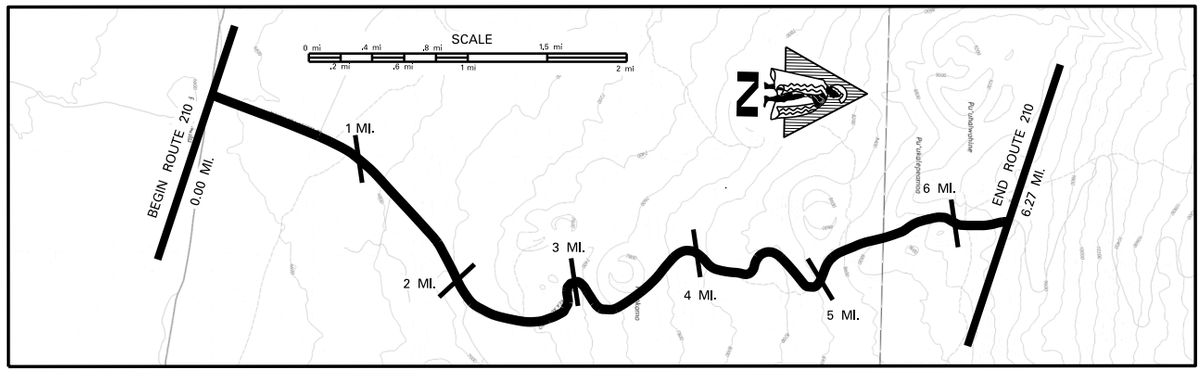
Total Route Length: 6.27 **miles**

a. Survey Length: 6.27 **miles**

b. Proposed Length: 0.00 **miles**

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

*

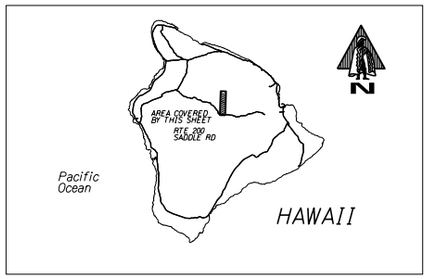


SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

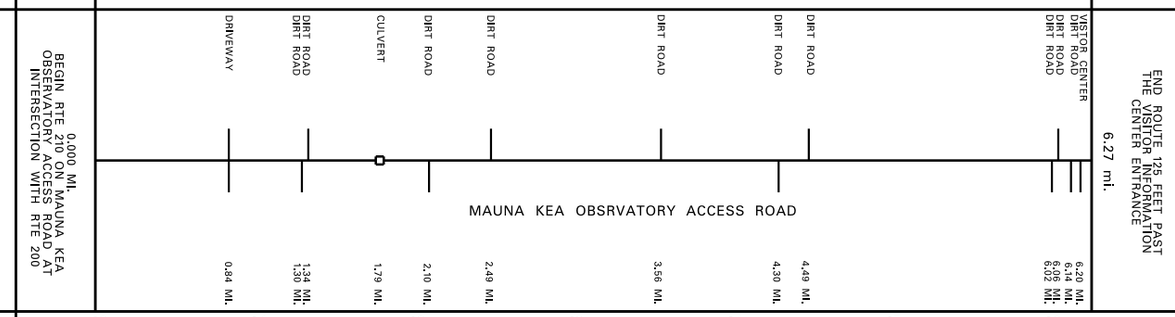
Structure Carrying Road: Bridges (Over 20'): Length, Type, Capacity and Year Constructed
Vertical Clearance
Horizontal Clearance
Structure Over Road: Vertical Clearance
Horizontal Clearance

Right of Way Width (min.–max.) if varies
Available Right of Way Width (Needs Study)
Right of Way Fence: Type – Right and Left
Control of Access: 1–None, 2–Partial, 3–Full
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)
Project No., Type of Construction, and Year Constructed
Project No., Type of Construction, and Year Constructed



Road Diagram

* MP=Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided:
Shoulder: Width and Type: 6' AC
Pavement: Width and Type: 20' AC
Shoulder: Width and Type: 6' AC
Median: Width and Type
Median Barriers:
Shoulder: Width and Type
Pavement: Width and Type
Shoulder: Width and Type

Number of Traffic Lanes: 2–10'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
(Right Side): 10' TRUCK CLIMBING LANE .62 .74; 10' TRUCK CLIMBING LANE .74 .87
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 Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)
Superelevation (Range)
Grade Class: +/_ % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)
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 (Current Year): B71 0210 00000
HPMS Sections – AADT 2020: 476
HPMS Sections – AADT 2019: 513
HPMS Sections – AADT 2018: 508
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	
Nov 2018	
Revised	
12/20	EPJ

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

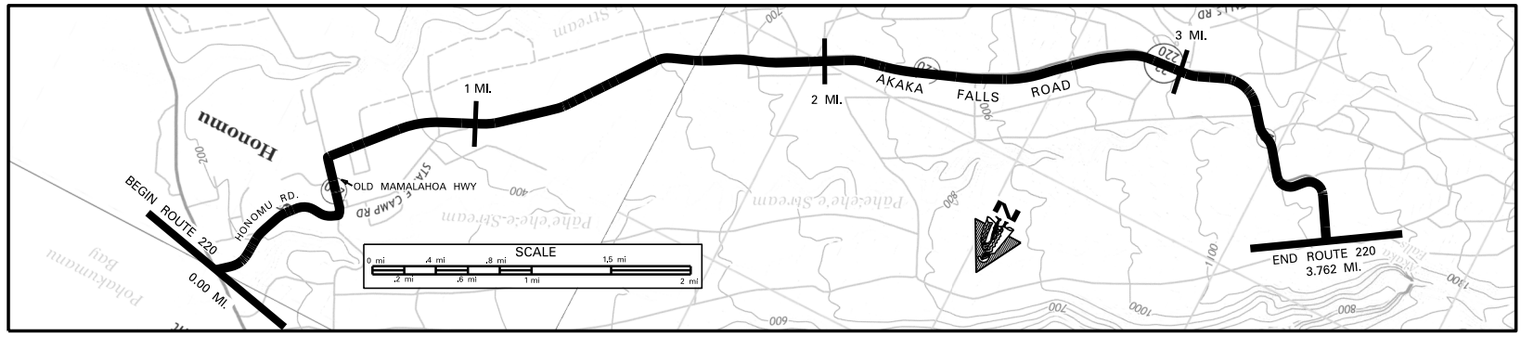
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 3.762 **miles**

a. Survey Length: 3.762 **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 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' | 0.20 | 80' | 0.61 | 40' | 1.98 | 80'

Available Right of Way Width (Needs Study): RESIDENTIAL AREA | 0.69 | 1000' CLEAR SUGAR CANE FIELD – 15' FROM EDGE OF PAVEMENT

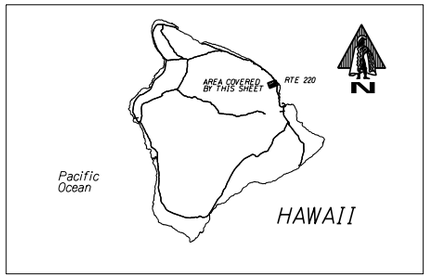
Right of Way Fence: Type – Right and Left

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

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

Project No., Type of Construction, and Year Constructed: STA 21+87.59 | 220A–01–03M RESURF 2005 | 0.38 | 220A–01–02M, (R), 2004

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



Road Diagram

* MP=Milepost Signage

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

PUA ST. | STORE DRIVEWAY POST OFFICE RDS. | STABLE CAMP RD. OLD MAMALAHOA HWY | KOKOKE KAI ST. | OLD MAMALAHOA HWY AKAKA FALLS RD. (R) | KALANI LOOP | DRIVEWAY | DRIVEWAY | DRIVEWAY | STABLE CAMP RD. | WATER TANK ELEV. 500' MARKER | KAHALONO ROAD | PAHEHEE MAUKA BRIDGE #3

0 MP | 2 MP | 3 MP

HONOMU ROAD | OLD MAMALAHOA HWY | AKAKA FALLS ROAD

0.006 MI. | 0.163 MI. | 0.288 MI. | 0.295 MI. | 0.246 MI. | 0.429 MI. | 0.415 MI. | 0.562 MI. | 0.575 MI. | 0.640 MI. | 0.684 MI. | 0.743 MI. | 0.837 MI. | 0.900 MI. | 0.984 MI. | 1.154 MI. | 1.178 MI. | 1.998 MI. | 3.021 MI. | 3.172 MI. | 3.351 MI.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '15 VIDEOLOG & '15 FEATURES DATABASE.
END RTE 220 ON AKAKA FALLS ROAD AT THE ENTRANCE TO AKAKA FALLS PARKING LOT GATE. 3.762 MI.*

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided

- Shoulder: Width and Type: 4' AC | 0.24 | 5' AC | 0.48 | 16' AC | 8' AC | 4" AC | .040 | 22' AC
- Pavement: Width and Type: 22' AC | .090 | 38' AC | .575 | 24' AC
- Shoulder: Width and Type: 4' AC | 0.47 | 3' GRASS | 4' AC

Divided Highway – Divided

- Median: Width and Type
- Median Barriers:
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type: .040 | 2–11'

Number of Traffic Lanes: 2–11' | .575 | 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): .247 | 8' PARKING LANES

(Right Side): .497 | .575

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

Sidewalk: Width and Type (Right and Left): N/A

Curb and/or Gutter: Type (Right and Left): .324 | .364 | .524 | .674 | N/A | .355 | .395 | .460 | .499

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

Illumination: Type, Location and Number: .176 | .242 | .248 | .286 | .345 | .483 | .619 | .287 | .374 | .478 | .485 | .567 | .694

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)

ED | .11 | AC AC | .242 | .320 | E | 0.75 | CAF | 0.69 | AB | 1.07 | A | 1.22 | BA | 1.53 | DA | 1.74 | BA | 2.07 | CA | 2.84 | CA | 3.01 | CA | 3.12 | D | 3.26 | ADE | 3.38 | AE | 3.62 | A

Superelevation (Range)

Grade Class: +/_ % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)

F | 0.18 | E | 0.25 | C | 0.47 | B | 0.53 | C | 0.59 | D | 0.67 | F | 0.87 | D | 1.01 | E | 1.18 | D | 1.95 | C | 2.06 | D | 2.27 | F | 2.35 | E | 2.57 | F | 2.72 | E | 2.86 | D | 3.14 | B | 3.33 | D | 3.48 | B

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (99999)

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

Speed: 1–Design, 2–Posted: 25 MPH (2) | .204 | (35 MPH (2)) | .296 | 45 MPH (2) | .963 | (35 MPH (2)) | 25 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station (Current Year): B71 0220 00026 | B71 0220 00334

HPMS Sections – AADT 2020: 1,500 | 0.56 | 590

HPMS Sections – AADT 2019: 1,700 | 720 | 3.76

HPMS Sections – AADT 2018: 1,900 | 910

DOD Sections: MAJOR COLLECTOR (5)

Census Tracts: NOT ON NHS (0)

Functional Classification:

National Highway System (NHS):

Previous Projects: Project No., Date and Limits:

(220A–01–72, 1972 (R)) | 0.48 | (S–246–1, 1950) | 220A–01–79M, 1978 (R): PMS–0100(8), UNIT 5 | 3.62 | (STP–0100(31), 1994)

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

(S–246–1, 1950) | 0 + 18 | 5 + 18 | 27 + 55 | 105 + 60 | 21 + 55 | 37 + 60 | 7 + 50

SCALE: (In Miles) 4" = 1 mile

Date Released
SEPT 05, DB

Revised	
5/06	G.N.
9/10	G.N.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
12/13	E.P.J.
7/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

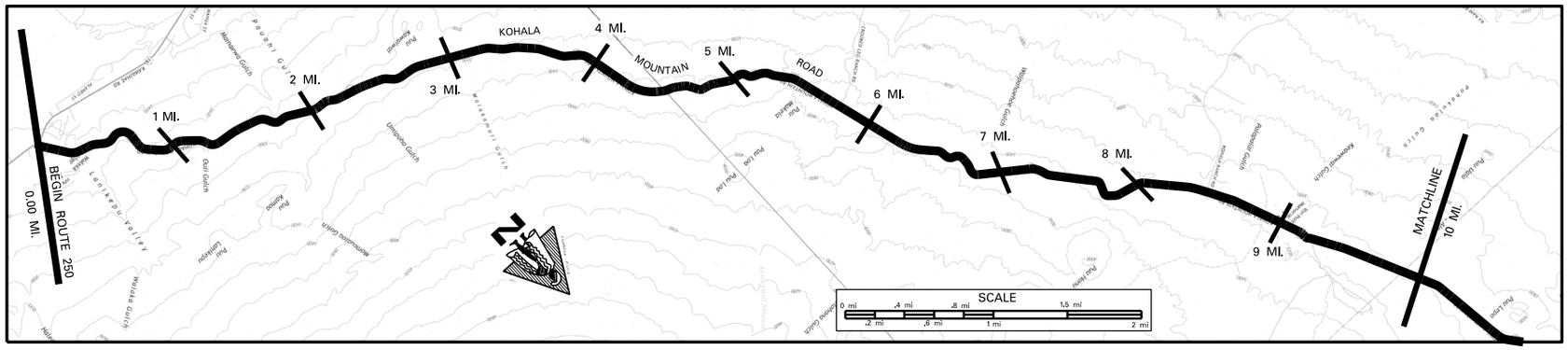
ROAD INVENTORY
HAWAII RTE 250
KOHALA MOUNTAIN ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 19.276 miles
a. Survey Length: 19.276 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*



SCALE: (In Miles) 2" = 1 mile

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

Structure Carrying Road
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: 50' Slab HS 20 1961 (5.00); 31' Culvert H20 1953 (6.82)
- Vertical Clearance
- Horizontal Clearance: 36' / 18'

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: 60' (3.85); 80'–120' (4.54); 80'–130' (5.39); 80'–145' (5.85); 80' (6.07); Estimated 80'–140' (7.45)

Available Right of Way Width (Needs Study): (Stonewall) 0.00–0.13; Mountainous Ranch / Pastureland with Trees (0.13–6.07); Heavy Trees (6.07–7.45); Mountainous Pasture with Trees (1000' Clear most of the way) (7.45–10.00)

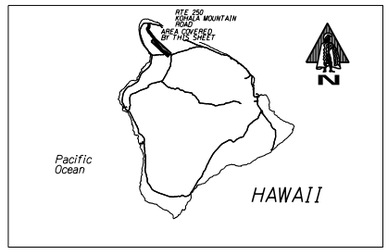
Right of Way Fence: Type – Right and Left W/W=Wire on Wood, E.P.=from Edge of Pavement
W/W 20' E.P. (1.42–1.54); W/W 30' E.P. (1.54–2.24); W/W 20' E.P. (2.24–2.42); W/W 50' E.P. (2.42–2.74); W/W 25' E.P. (2.74–3.85); W/W 10' E.P. (3.85–5.83); W/W 20' E.P. (5.83–6.07); Wood Fence (0.00–0.25); Wire on Wooden Posts 10'–50' from Edge of Pavement (0.25–6.07)

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

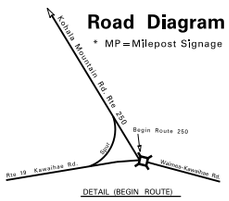
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State (772+34; 570+00; 536+00; 421+50)

Project No., Type of Construction, and Year Constructed: 250A–01–06M, PAV'T REPAIRS, 2011 (0.00–3.85); HSIP–0250(007), SAFETY IMPRV., 2021 (5.83–6.07)

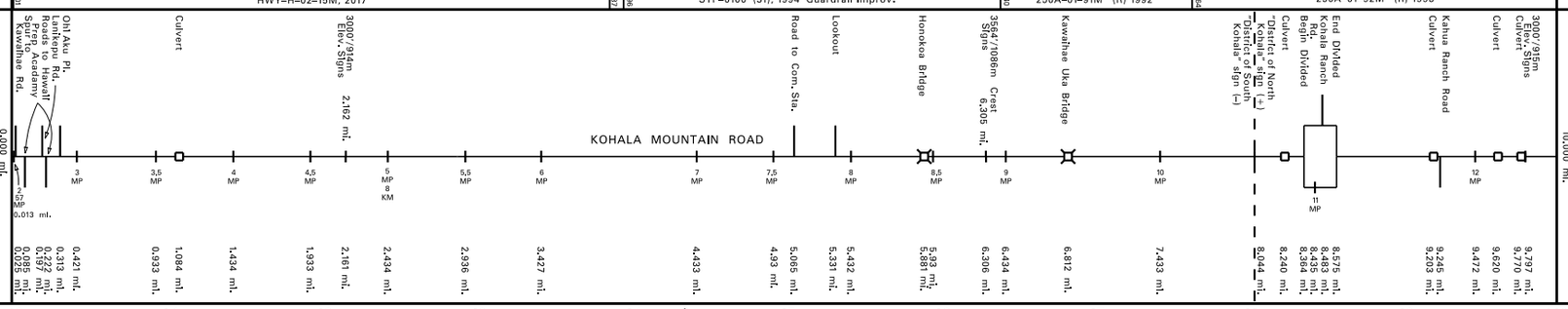
Project No., Type of Construction, and Year Constructed: HWY–H–02–15M, 2017 (0.00–3.85); STP–0100 (31), 1994 Guardrail Improv. (3.97–5.83); 250A–01–91M (R) 1992 (6.40–7.64); 250A–01–92M (R) 1993 (7.64–10.00)



Road Diagram
* MP=Milepost Signage



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



SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided
- Shoulder: Width and Type: 3' AC; 2' AC 2' GRS; 6'–10' AC; 2' AC / 4' Grs.
- Pavement: Width and Type: 18' AC; 24' AC; 18' AC; (23' AC); 25' AC; 20' AC; 18' AC; 20' AC
- Shoulder: Width and Type: 6' AC; 3' AC; 2' AC 2' GRS; 6'–8' AC; 2' AC / 2' Grs.; 2' AC / 4' Grs.; 2' AC / 2' Grs.
- Median: Width and Type: CENTERLINE MILLED RUMBLE STRIP; 0'–11' PNTD AC
- Median Barriers:
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type

Number of Traffic Lanes: 2–9'; 2–12'; 2–9'; (1–11') 1–12; 2–10'; 2–9'; 2–10'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
(Right Side): (0.403–0.483)

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

Sidewalk: Width and Type (Right and Left): N/A

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

Protective Devices: Type, Location and Number All Metal Rails on Metal Posts unless noted otherwise. M/C=Metal Rails on Concrete Posts. (M/C)

Illumination: Type, Location and Number

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban (99998) (0.24–1.77); Rural (99999) (1.77–10.00)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Rolling (2) (0.24–2.92); Mountainous (3) (2.92–5.74); Rolling (2) (5.74–10.00)

Speed: 1–Design, 2–Posted: 25 MPH (2) (0.24–0.33); Not Posted (0.33–2.92); 35 MPH (2) (2.92–9.87); 40 MPH(2) (9.87–10.00)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0250 00008; B71 0250 01706

HPMS Sections – AADT 2020: 2,300; 2,300

HPMS Sections – AADT 2019: 2,700; 2,600

HPMS Sections – AADT 2018: 2,500; 2,500

DOD Sections

Census Tracts

Functional Classification: Major Collector (5)

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

Previous Projects: Project No., Date and Limits
- 250A–01–91M (R) 1992
- 250A–01–90M (R) 1991
- 250A–01–91M (R) 1992
- 250A–01–73, 1973 FAP E–11A 1932
- 250A–01–72 (R), 1972
- 250A–01–75M, 1975
- S–239(1) 1954, 56
- (FAP E–11A, 1933)
- S–0250 (2), 1961
- S–0250 (1), 1956
- 250A–01–72 (R) 1972
- 250A–03–72 (R) 1972

SCALE: (In Miles) 2" = 1 mile

Date Released	
Nov. 2003	D.B.

Revised	
7/06	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
2/13	E.P.J.
12/13	E.P.J.
8/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.
11/21	D.B.

ROAD INVENTORY
HAWAII RTE. 250
KOHALA MOUNTAIN ROAD AND HAWI ROAD

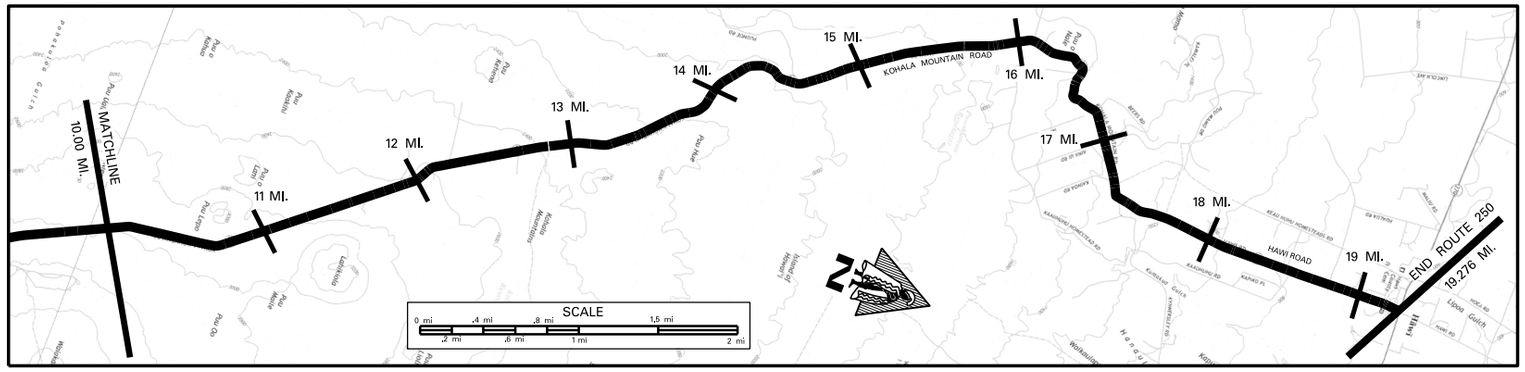
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 19.276 miles
- **a. Survey Length:** 19.276 miles
- **b. Proposed Length:** 0.00 miles
- **c. Other Length: *** 0.00 miles

*

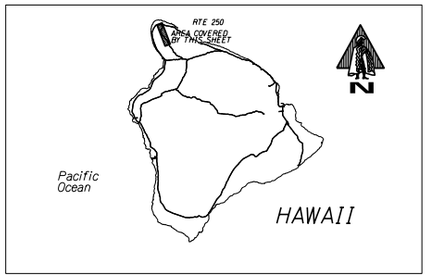


SCALE: (In Miles) 2" = 1 mile

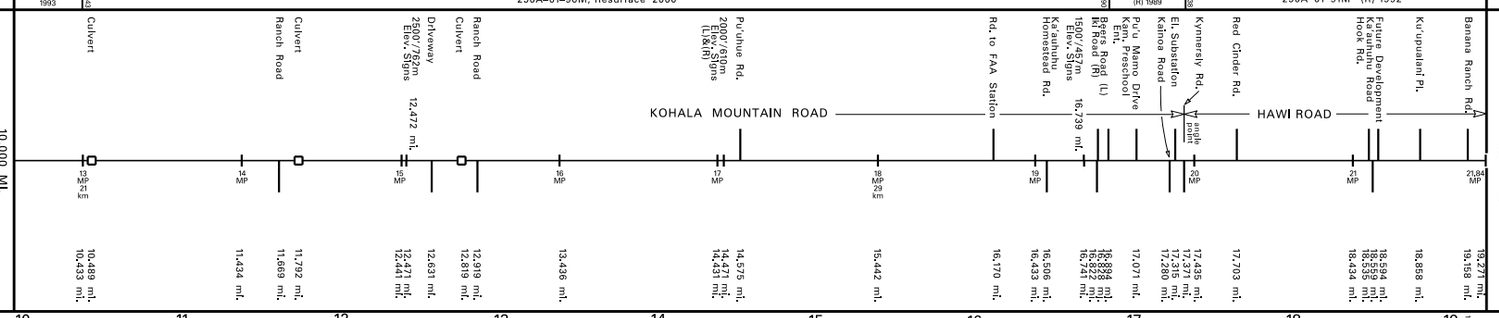
Maintenance Control Sections : Length and Description: 250A (19.23 mi.)

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

Right of Way Width (min.–max.) if varies: Estimated 80'–140'; Estimated 80'–100'
Available Right of Way Width (Needs Study): Mountainous, Pasture w/ Trees (1000' Clear, Most of the Way)
Right of Way Fence: Type – Right and Left (W/W=Wire on Wood, E.P.=from Edge of Pavement): W/W 20' E.P.; W/W 15'–50' E.P.; W/W 15' E.P.; W/W 15' E.P.; W/W 12' E.P.; W/W 20' E.P.; W/W 10' E.P.; W/W 12' E.P.
Control of Access: 1–None, 2–Partial, 3–Full: None
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State (200+00; 121+50)
Project No., Type of Construction, and Year Constructed: 250A–01–02M, Resurface 2005
Project No., Type of Construction, and Year Constructed: 250A–01–92M,(R) 1993; 250A–01–96M, Resurface 2000; 250A–01–89M (R) 1989; 250A–01–91M (R) 1992



Road Diagram
* MP=Milepost Signage



* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '15 VIDEOLOG & '15 FEATURES DATABASE.
END ROUTE 250 ON HAWI ROAD AT THE SOUTH EDGE OF PAVEMENT OF AKONI PULE HWY. (RTE 270)
*19.276 MI.

SCALE: (In Miles) 2" = 1 mile

Divided Highway, Undivided:
- Shoulder: Width and Type: 2' AC/6' Grs.; 1' AC / 4' Grs.; 1' AC / 2' Grs.; 2' AC / 2' Grs.; 2' AC/6' Grs.; 1' AC / 2' Grs.; 2' AC / 4' Grs.; 2' AC / 6' Grs.; 0; 6' AC
- Pavement: Width and Type: 20' AC; 22' AC; 20' AC
- Shoulder: Width and Type: 2' AC / 2' Grs.; 6' Grs.; 4' Grs.; 2' AC / 4' Grs.; 2' AC/10' Grs.; 2' Grass
- Median: Width and Type: (4' AC) (15'–20' AC)
- Median Barriers:
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type

Number of Traffic Lanes: 2–10'; 2–11'; 2–10'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
(Right Side)
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left)
Curb and/or Gutter: Type (Right and Left): N/A
Protective Devices: Type, Location and Number (All Metal Rails on Metal Posts unless noted otherwise. M/C–Metal Rails on Concrete Posts.): M/C; MMA; C, C, AC, C
Illumination: Type, Location and Number
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)): AC A A CA C A BA CA BA CA C AC A CA DAD AC A C AC AE DE DCD FDCAD A CAB A BC AB A BAB
Superelevation (Range)
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)): C B D C D C C D C D C D C D C D C D C D E D E F E D
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: Rural (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Rolling (2)
Speed: 1–Design, 2–Posted: 40 MPH (2); 35 MPH (2); 40 MPH (2); 35 MPH (2); 40 MPH (2); 35 MPH (2); 25 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year): B71 0250 01706; B71 0250 01736; B71 0250 01885
HPMS Sections – AADT 2020: 2,300; 1,300; 1,200
HPMS Sections – AADT 2019: 2,600; 1,600; 3,000
HPMS Sections – AADT 2018: 2,500; 1,500; 2,800
DOD Sections
Census Tracts
Functional Classification: Major Collector (5)
National Highway System (NHS): Not On NHS (0)
Previous Projects: Project No., Date and Limits: 250A–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; S239(1), 1954; 250A–01–72, 1972; County

SCALE: (In Miles) 2" = 1 mile

Date Released
Nov. 2003, D.B.

Revised	
7/06	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
2/13	E.P.J.
12/13	E.P.J.
8/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

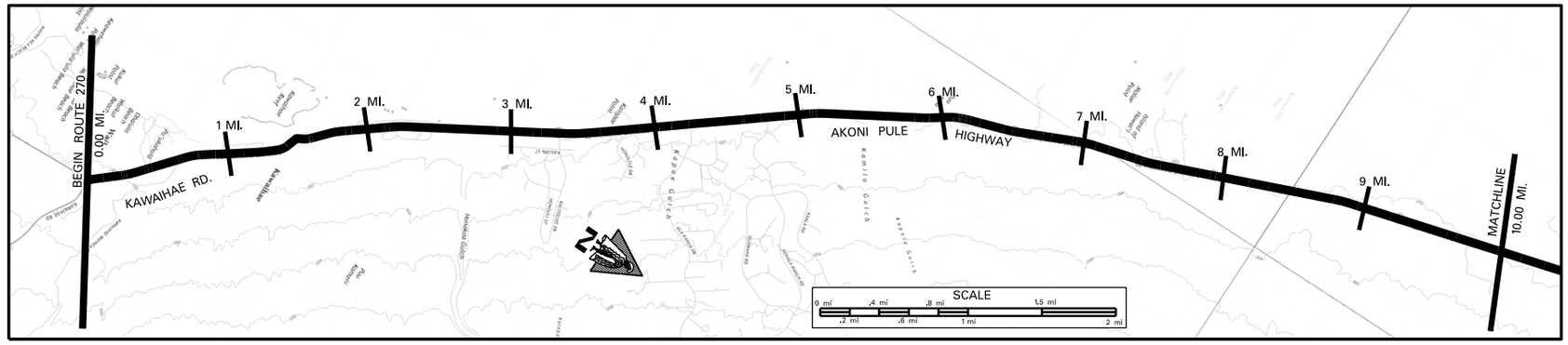
ROAD INVENTORY
HAWAII RTE 270
KAWAIHAE ROAD–AKONI PULE HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 27.003 miles
a. Survey Length: 27.003 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*



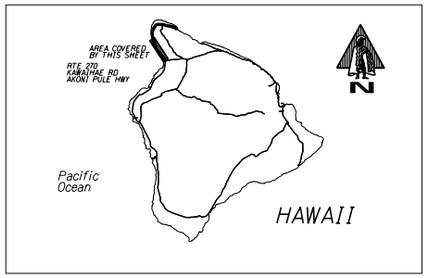
SCALE: (In Miles) 2" = 1 mile

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' (0.81, 0.85); SLAB 1960 HS–20 31' (1.36); SLAB 1960 HS–20 52'; PRESTRESSED BEAM 1965, HS–20 165' (2.64)
- **Vertical Clearance**
- **Horizontal Clearance**: 28' | 40' | 40' | 28'

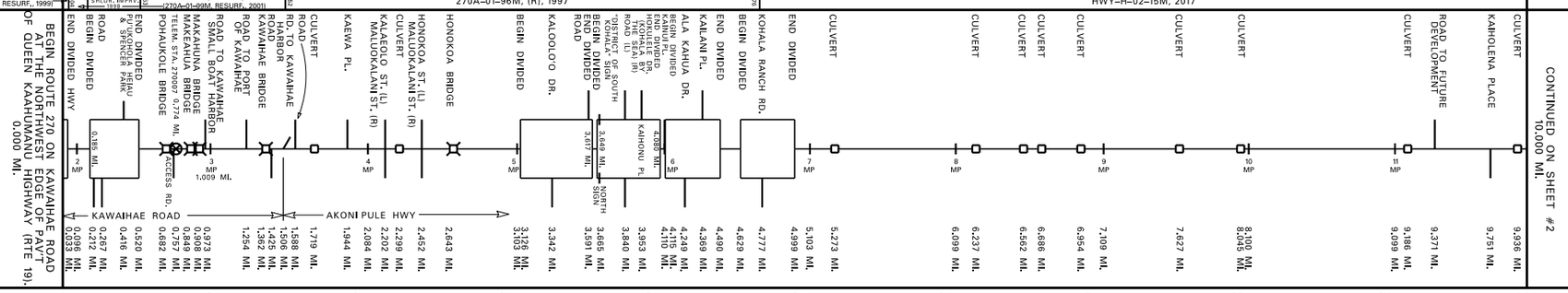
Structure Over Road
- **Vertical Clearance**
- **Horizontal Clearance**

Right of Way Width (min.–max.) if varies: 60' – 80' | 60' (1.92) | 80' – 180'
Available Right of Way Width (Needs Study): BRUSH & TREES | RES. AREA (1.51) | BRUSH & TREES | RES. AREA (4.12, 4.98) | CLEAR 1000' BUSHES & SMALL TREES (SOME CUT SLOPES)
Right of Way Fence: Type – Right and Left: (CHAINLINK 10' FROM E,P,) (1.29, 1.33) | (STONE WALL 10' FROM E,P,) | (STONE WALL 10' FROM PAVMT,) (3.10, 3.63) | (CHAINLINK 10' FROM PAVMT,) (4.12, 4.68) | (STONE WALL) 4.73
Control of Access: 1–None, 2–Partial, 3–Full: NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE | (COUNTY TO STATE, PHASE 2) 10.00
Project No., Type of Construction, and Year Constructed: (NH–019–1(29), GUARDRAIL & SHLDR, IMPR., 2006) | (FLH–0270(17), INTER. IMP., 2006) | STP–0270(019), PAVEMENT PREVENTIVE MAINTENANCE, 2013
Project No., Type of Construction, and Year Constructed: (19CD–01–97M, RESURF., 1999) | STP–0270(13), SHLDR, IMPRV, 1998 | 270A–01–99M, RESURF., 2001 (270A–01–99M, RESURF., 2001) | 270A–01–96M, (R), 1997 | HWY–H–02–15M, 2017



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' AC | 6' AC | 7' AC | 5' CORAL | 6' SEAL COAT | 12' AC | 6' SEAL COAT | 6' AC | 6' SEAL COAT
- **Pavement: Width and Type**: (11' AC) 22' AC | 11' AC | 22' AC | 22' BP | 24' AC | 14' AC | (24' AC) 12' AC | 12' AC | 24' AC | 12' AC | 24' AC
- **Shoulder: Width and Type**: (0) 7' AC | 0 | 7' AC | 5' CORAL | 6' SEAL COAT | 0 | (6' SEAL COAT) 0 | 0 | SEAL COAT 0 | 6' AC | 6' SEAL COAT
- **Median: Width and Type**: (0'–9' PAINTED AC) | 0'–10' PAINTED AC | 0'–16' PAINTED AC | 0'–15' PAINT | 0'–11' PAINT | 0'–10' PAINT
- **Median Barriers:**
- **Shoulder: Width and Type**: (0) 0 | 0 | 0 | 0
- **Pavement: Width and Type**: (11' AC) 11' AC | 14' AC | 12' AC | 12' AC | 12' AC
- **Shoulder: Width and Type**: (6' AC) 6' AC | 10' AC | 6' SEAL COAT | 6' SEAL COAT | 6' AC

Number of Traffic Lanes: 2–11 | (6' SEAL COAT) | 2–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 11' LNS.
(Right Side): 1–10' (L) TL | 10' T.L. | 12' T.Ls.
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left): 3' C, SW.
Curb and/or Gutter: Type (Right and Left): AC G. | C. G. | AC C.
Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless noted otherwise. (METAL RAILS ON CONCRETE POSTS)
Illumination: Type, Location and Number: 4MV | 1MV | LPS
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62): (D) A | CA FB | A
Superelevation (Range): +1 | +2
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45): D C D B A B C B A B A B C B A B D B C B A B A B B C B
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: SMALL URBAN (99998) | RURAL (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: ROLLING (2) | FLAT (1) | ROLLING (2)
Speed: 1–Design, 2–Posted: (Not Posted) 35 MPH (2) | 35 MPH (2) | (30 MPH (2)) | (45 MPH (2)) | (55 MPH (2)) | 55 MPH (2) (40 MIN (2))
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year): P71 0270 00076 | B71 0270 00150 | B71 0270 01294
HPMS Sections – AADT 2020: 7,000 | 5,800 | 5,800
HPMS Sections – AADT 2019: 7,400 | 6,312 | 3,491
HPMS Sections – AADT 2018: 7,500 | 6,200 | 3,584
DOD Sections
Census Tracts
Functional Classification: PRINCIPAL ARTERIAL (3) | MINOR ARTERIAL (4)
National Highway System (NHS): ON NHS (1) | NOT ON NHS (0)
Previous Projects: Project No., Date and Limits: (270A–01–99M, RESURF., 2001) | STP–0270(13), SHLDR, IMPRV., 1998 | 270A–01–88M, 1988, (R) | 270A–01–96M, 1997, (R) | STP–0270(13), 1998, (SHLDR, IMPRV.) | 270A–01–83M, 1983, (R) | 270A–01–83M, RESURF., 1983 | 270A–01–79, SHLDR, STAB, 1980 | A270–01–62, 1967, 68 | WDRC–12(1), 1947 | 270A–01–72, 1972, (R) | WDRC 12(1), 1947 | FAP 11 B, 1933 | S–0260(1), 1959 | FAP 110, 1937 | (HHS–027–1(1), SAFETY IMPRV.)

SCALE: (In Miles) 2" = 1 mile

Date Released	
SEPT 05,	D.B.
Revised	
7/06	D.B.
1/07	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
12/13	E.P.J.
8/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

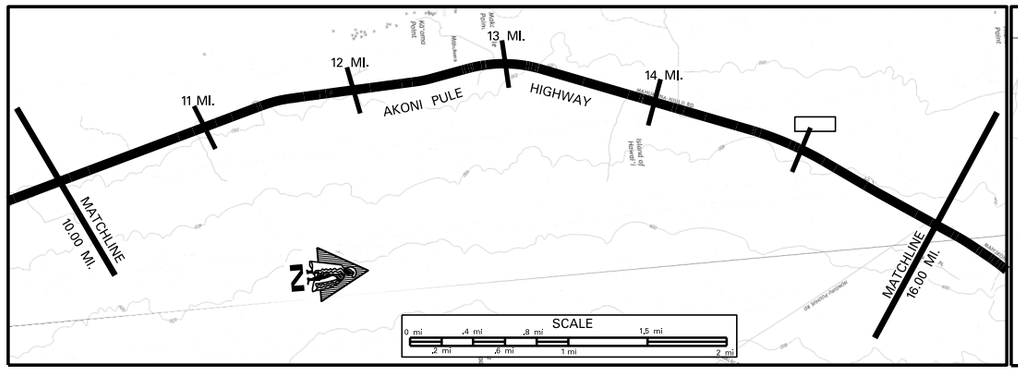
ROAD INVENTORY
HAWAII RTE 270
AKONI PULE HIGHWAY

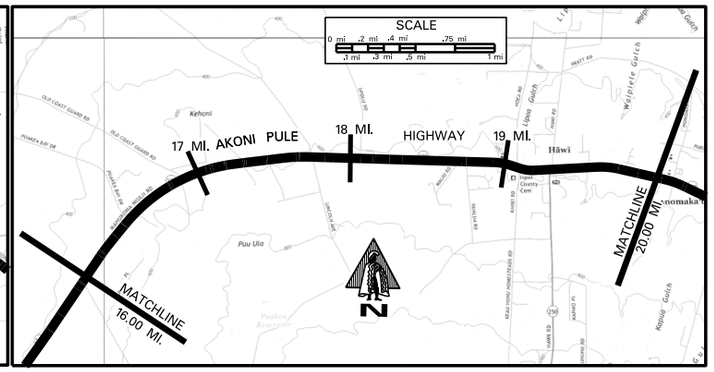
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 27.003 miles
a. Survey Length: 27.003 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*





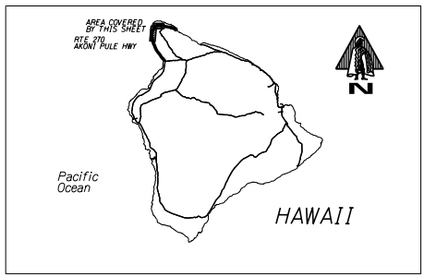
SCALE: (In Miles) 2" = 1 mile

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

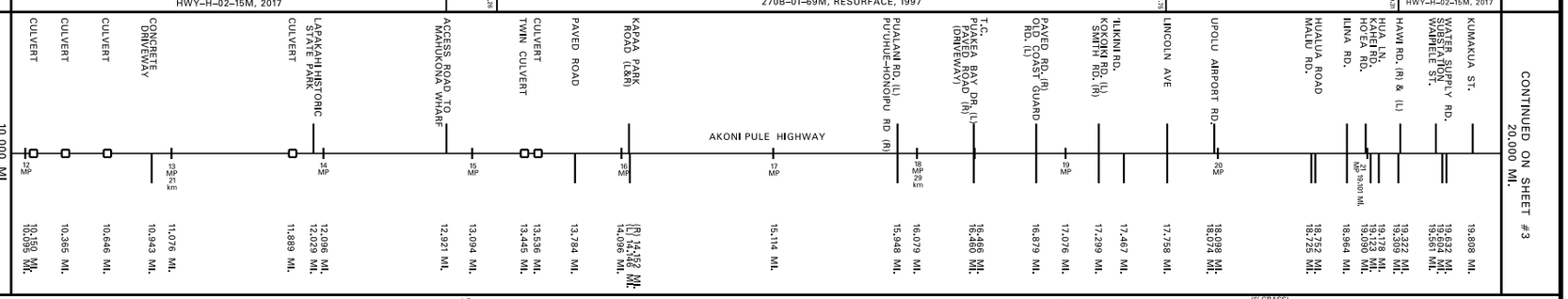
Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: 80'–180' | 60'–200'
Available Right of Way Width (Needs Study): CLEAR 1000', GRASS AND FEW TREES, 50' FROM EDGE OF PAVEMENT
Right of Way Fence: Type – Right and Left: WIRE ON WOOD 50' FROM EDGE OF PAVEMENT
Control of Access: 1–None, 2–Partial, 3–Full: (COUNTY (TRANSFER S to C 12/7/21))
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: STP–0270(019), PAVEMENT PREVENTIVE MAINTENANCE, 2013 | STP–0272(020), RESURFACE, 2013
Project No., Type of Construction, and Year Constructed: HWY–H–02–15M, 2017 | 270B–01–69M, RESURFACE, 1997 | HWY–H–02–15M, 2017



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

Number of Traffic Lanes: 2–12' | 2–13 | 2–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
(Right Side): PARK | PARK
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left): 4' AC SW 5' C, SW
Curb and/or Gutter: Type (Right and Left): METAL RAILS ON CONC. POSTS
Protective Devices: Type, Location and Number: All Metal Rails on Metal Posts unless noted otherwise. M/C–Metal Rails on Concrete Posts.
Illumination: Type, Location and Number: 1 M.V.
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)
Superelevation (Range)
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: RURAL (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: ROLLING (2)
Speed: 1–Design, 2–Posted: 55 MPH (2) (MIN. 40 MPH (2)) | (55 MPH (2)) | 45 MPH (2) | 35 MPH (2) | 25 MPH (2) | 35 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year): B71 0270 01294 | B71 0270 01912 | B71 0270 01982
HPMS Sections – AADT 2020: 5,800 | 5,000 | 6,100
HPMS Sections – AADT 2019: 3,491 | 5,800 | 7,300
HPMS Sections – AADT 2018: 3,584 | 5,600 | 4,900
DOD Sections
Census Tracts
Functional Classification: MINOR ARTERIAL (4) | MAJOR COLLECTOR (5)
National Highway System (NHS): NOT ON NHS (0)
Previous Projects: Project No., Date and Limits
270A–01–83M, RESURFACE, 1988
270A–01–79 SHLDR. STAB, 1980
A–270–01–62 1967, 68
S–0270(7) 1972, 73
S–0270(3), 1972
RS–STP–0270(11), RESURFACE, 1996
S–203(2), 1951

SCALE: (In Miles) 2" = 1 mile

Date Released	
SEPT. 05,	D.B.
Revised	
7/06	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
6/13	E.P.J.
8/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

ROAD INVENTORY
HAWAII RTE 270
AKONI PULE HWY.

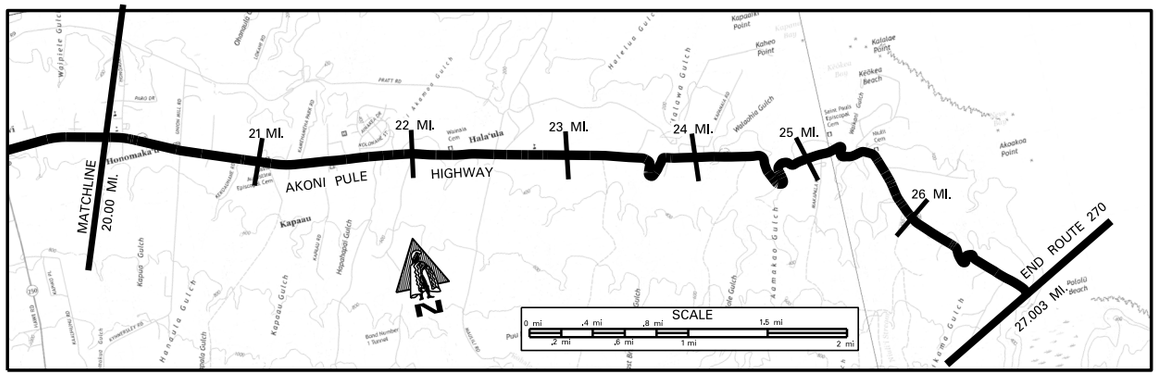
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 27.003 miles
- a. Survey Length: 27.003 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 26'; TEE BEAM 1919, ES–H10 160'; TEE BEAM 1918, ES–H10 80'; TEE BEAM 1918, ES–H10 22' 33'
- Vertical Clearance
- Horizontal Clearance: 36'; 18'; 18'; 18' 18'

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

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

Available Right of Way Width (Needs Study): 1000' CLEAR GRS. & TREES, 50' FROM E.P.; RESIDENTIAL AREA; 1000' CLEAR, BRUSH & GRASS 30' FROM EDGE OF PAVEMENT; RESIDENTIAL DISTRICT

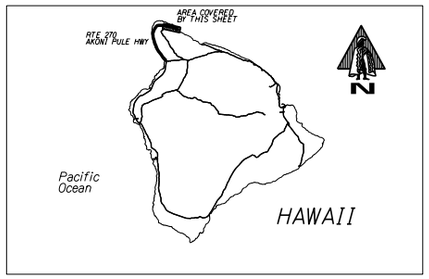
Right of Way Fence: Type – Right and Left: WIRE ON WOOD 50' FROM E.P.; WIRE ON WOOD 50' FROM E.P.

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

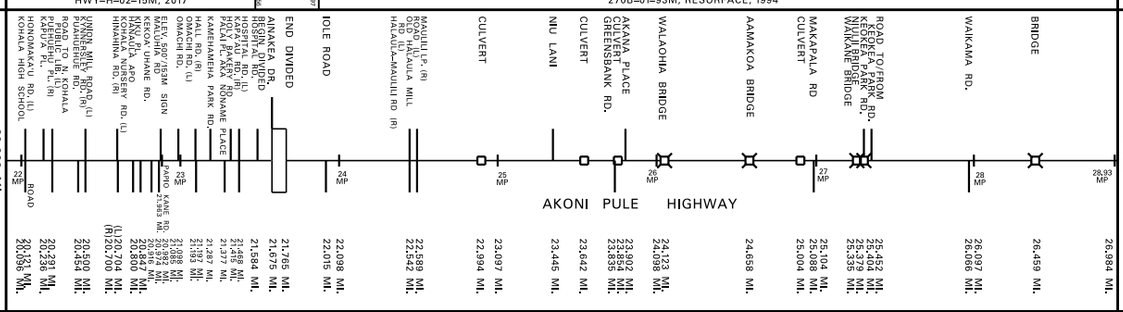
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): COUNTY (TRANSFER S to C 12/7/21)

Project No., Type of Construction, and Year Constructed: STP–0270(020), RESURFACE, 2013; (BR–0270(18), MAJOR SEISMIC RETROFIT, 2009); (BR–0270(18), MAJOR SEISMIC RETROFIT, 2009)

Project No., Type of Construction, and Year Constructed: HWY–H–02–15M, 2017; 270B–01–93M, RESURFACE, 1994



Road Diagram
* MP=Milepost Signage



* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '15 VIDEOLOG & '15 FEATURES DATABASE.
END ROUTE 270 ON AKONI PULE HWY. AT THE ENTRANCE TO POLOLU VALLEY LOOKOUT.
*27.003 MI.

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided
- Shoulder: Width and Type: 8' BP; 10' GRS.; 6' GRS.; 8' GRASS; 10' GRASS; 4' GRS.; 8' GRS.; 6' GRASS; 8' GRS.; 4' GRS.; 3' GRASS; 5' GRASS; 4' GRASS
- Pavement: Width and Type: 24' AC; 24' AC; 20' AC
- Shoulder: Width and Type: 8' GRASS; 10' GRASS; 6' GRASS; 8' GRASS; 6' GRASS; 3' GRS.; 4' GRS.; 6' GRS.; 5 GRS.; 4' GRS.; 3' AC; 3' GRS.; 5' GRASS; 4' GRASS
- Median: Width and Type: 11' PAINT
- Median Barriers:
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type: 6' GRASS

Number of Traffic Lanes: 2–12'; 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): 4' C. SW

Sidewalk: Width and Type (Right and Left): 5' C. SW; 5' C. SW

Curb and/or Gutter: Type (Right and Left): C. C.; C. C.; AC C.

Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless noted otherwise.

Illumination: Type, Location and Number: MV; MV

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62): AB; A; EA FA CB DE A BA E AE FB A CA F DAD A BAC A E FE A

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45): A; B; D; B; B C B D B D B; B C; E D B C B D E B; (E)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (99999)

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 0270 01982; B71 0270 02210; B71 0270 02509; B71 0270 02540

HPMS Sections – AADT 2020: 6,100; 3,100; 1,000; 700

HPMS Sections – AADT 2019: 7,300; 3,700; 1,200; 690

HPMS Sections – AADT 2018: 4,900; 4,900; 1,100; 370

DOD Sections

Census Tracts

Functional Classification: MAJOR COLLECTOR (5)

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

Previous Projects: Project No., Date and Limits

RS-STP-0270(11), RESURFACE, 1996
270B–01–77M, (R), 1977
FAS–G–3260–01–60, 1961
COUNTY
(270B–01–77M, (R), 1977)
270B–01–77M, (R), 1977
(HWY–H–02–70(X), (REHAB & RESURFACE), 1971)
(HWY–H–02–70(X), (REHAB & RESURFACE), 1971)

SCALE: (In Miles) 2" = 1 mile

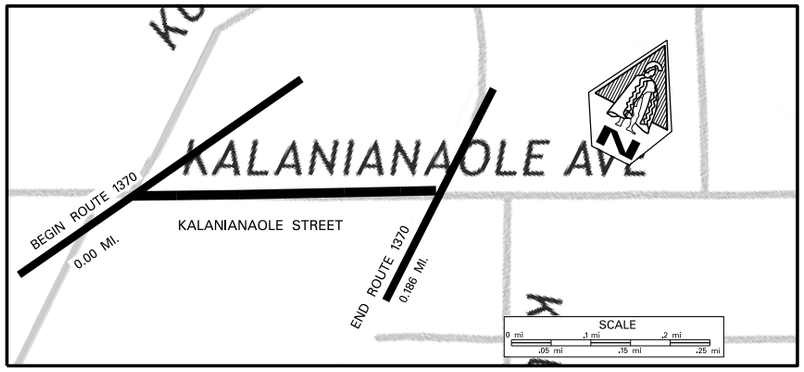
Date Released	
SEPT. 05,	D.B.
Revised	
7/06	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
12/13	E.P.J.
8/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

ROAD INVENTORY
HAWAII RTE 1370
KALANIANAOLE STREET

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Route Length: 0.186 **miles**
a. Survey Length: 0.186 **miles**
b. Proposed Length: 0.00 **miles**
c. Other Length: 0.00 **miles**

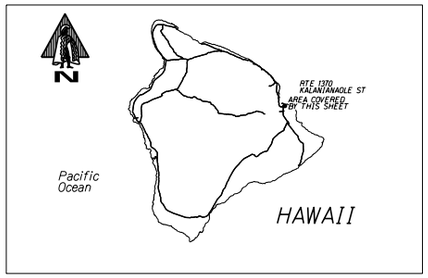


SCALE: (In Miles) 20" = 1 mile

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: 0.04 (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): STATE
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
0.008 mi. — 0.112 mi.

END ROUTE 1370 AT WEST EDGE OF PAVEMENT OF 2ND (EAST) HILO HARBOR ENTRANCE DRIVEWAY. 0.186 MI.*

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '15 VIDEOLOG & '15 FEATURES DATABASE.

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
Divided Highway	Median: Width and Type	12'	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)			12' 9' T.L.
Frontage Road: No. of Lanes, and Width (Right and Left)			
Sidewalk: Width and Type (Right and Left)		2.22'	1.27' 4' Conc. S.W.
Curb and/or Gutter: Type (Right and Left)		Conc. Curb / Conc. Curb	
Protective Devices: Type, Location and Number		0.14'	
Illumination: Type, Location and Number		1 Luminaire	0.10'
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)		A	
Superelevation (Range)			
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)		A	
Vertical Curve: Crest or Sag, Curve Limits			
Area and Development:		Small Urban (99998)	
Terrain: 1–Flat, 2–Rolling, 3–Mountainous		Flat (1)	
Speed: 1–Design, 2–Posted		30 MPH (2) / 35 MPH (2)	
Intersection Control Devices: Type, Location and Cycle Timing			
Traffic Stations (Current Year)		B71 1370 00000	
HPMS Sections – AADT 2020		10,100	
HPMS Sections – AADT 2019		11,700	
HPMS Sections – AADT 2018		0.00 6,000	0.186
DOD Sections			
Census Tracts			
Functional Classification		Principal Arterial (3)	
National Highway System (NHS)		On NHS (1)	
Previous Projects: Project No., Date and Limits			

Date Released	
MAR. 05,	D.B.
Revised	
7/06	D.B.
9/10	D.B.
2/11	D.B.
2/12	D.B.
9/12	E.P.J.
12/13	E.P.J.
8/14	D.B.
1/16	E.P.J.
1/17	E.P.J.
2/18	D.B.
11/18	D.B.
12/20	E.P.J.

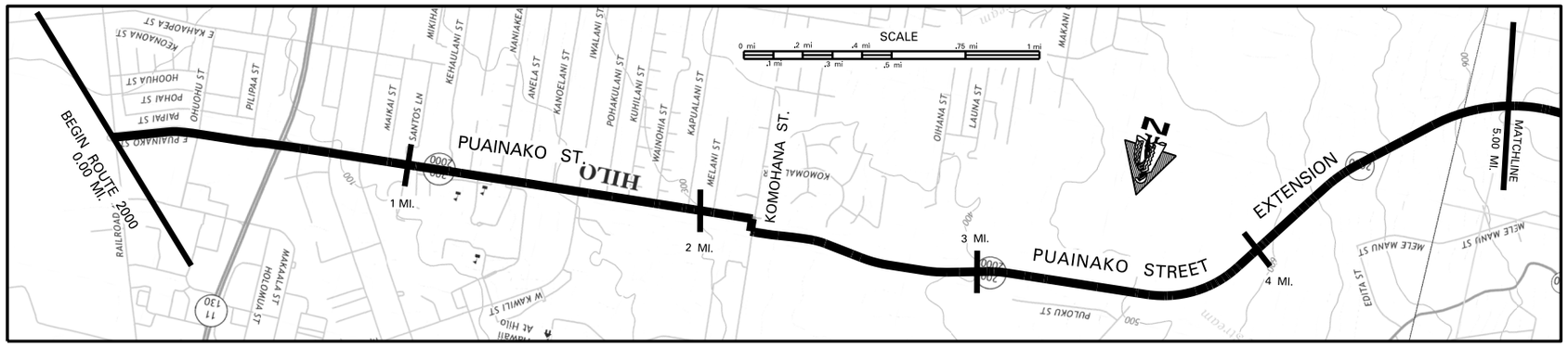
ROAD INVENTORY
HAWAII RTE 2000
PUAINAKO ST., PUAINAKO ST. EXTENSION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 6.873 miles
a. Survey Length: 6.873 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*

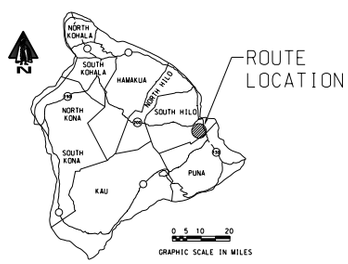


SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

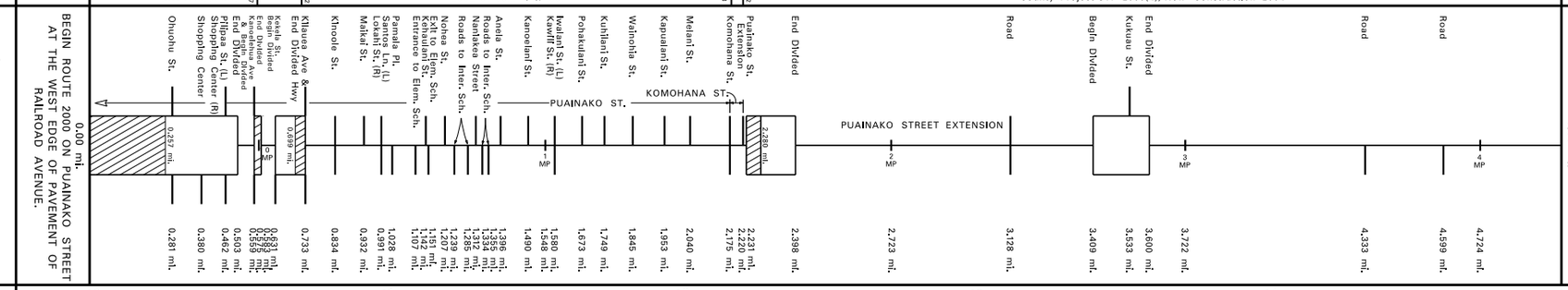
Begin 2000E @ ℄ of Kanoelehua Ave. — 2000 E (1.62 MI.) — End 2000E @ ℄ of Kamohana St.

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
Right of Way Fence: Type – Right and Left		Chain Link; Chain Link; Chain Link; Rock Walls & Chain Link; Various
Control of Access: 1–None, 2–Partial, 3–Full		None / Partial
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)		State / State
Project No., Type of Construction, and Year Constructed		(2000E–01–00, Imprvts, 2004)
Project No., Type of Construction, and Year Constructed		(200E–01–7M, (R) 1977); 200E–01–90M (R), 1991; County Project STP–2000(4), New Construction 2004



Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP=Milepost Signage



SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided	Shoulder: Width and Type	0 / 6'–8' AC (12' AC) / (36' AC) / 2'–4' AC / 9' AC
	Pavement: Width and Type	28' AC / 12' AC / 36' AC / 24' AC / 20' AC / 22' AC / 12' AC / 24' AC / 12' AC / 24' AC
	Shoulder: Width and Type	0 / (11' Raised Conc.) / 4–8' AC / 8' AC / 0 / 0 / 0 / 9' AC / 0 / 9' AC
	Median: Width and Type	42' Raised Grass / 12' Painted AC (5' Painted AC) / (26' Raised Grass) (12'–26' Painted AC) / (24' Raised Grass + 12' Painted AC) / 36' = 0 Painted AC / 24' = 0 Painted AC
	Median Barriers:	
	Shoulder: Width and Type	0 / (24' AC) / 0 / (24' AC) / 0 / 0
	Pavement: Width and Type	28' AC / 12' AC / 24' AC / 12' AC / 12' AC
	Shoulder: Width and Type	0 / (8' AC) / 8' AC / 9' AC / 9' AC
Number of Traffic Lanes		4–14' / 2–12' / 1–12' / 2–12' / 2–10' / 2–11' / 2–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)		
(Right Side)		
Frontage Road: No. of Lanes, and Width (Right and Left)		
Sidewalk: Width and Type (Right and Left)		10' Conc. S.W. / 6' Conc. S.W. / 3.5' AC S.W. / AC S.W.
Curb and/or Gutter: Type (Right and Left)		C.G.&G. / C.G.&G. / AC G. / Bituminous Curb / AC G.
Protective Devices: Type, Location and Number	All Metal Rails on Metal Posts unless noted otherwise.	
Illumination: Type, Location and Number		7 Sodium Vapor / 8 M.V., 5 Incandescent
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)		A / A / AB / A / A
Superelevation (Range)		
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)		B / A / B / C / D / C / D / B / C / B / C / D / F / E / D
Vertical Curve: Crest or Sag, Curve Limits		
Area and Development:		Small Urban (99998)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous		Rolling (2)
Speed: 1–Design, 2–Posted		30 MPH (2) / 35 MPH (2) / 30 MPH (2) / 35 MPH (2) / 45 MPH / 55 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing		4 Phase / 2 Phase
Traffic Stations (Current Year)		B71 2000 00000 / B71 2000 00046 / B71 2000 00063 / (B71 2000 00073) / B71 2000 00140 / B71 2000 00158 / B71 2000 00222
HPMS Sections – AADT 2020		4,100 / 13,500 / 16,800 / 11,500 / 9,400 / 9,600 / 8,800
HPMS Sections – AADT 2019		3,800 / 13,700 / 15,983 / 11,500 / 9,600 / 10,200 / 7,800
HPMS Sections – AADT 2018		3,600 / 14,700 / 15,700 / 10,500 / 5,800 / 10,600 / 6,500
DOD Sections		
Census Tracts		
Functional Classification		Major Collector (5)
National Highway System (NHS)		Not On NHS (0)
Previous Projects: Project No., Date and Limits		200E–01–77M, (R) 1977; (S–18(1) 1948, 49); G–322–01–62, 1962

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.
Sept 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
Aug. 14	D.B.
1/16	E.P.J.
1/17	E.P.J.
Feb. 18	D.B.
Nov. 18	D.B.
12/20	E.P.J.

ROAD INVENTORY
HAWAII RTE 2000
PUAINAKO STREET EXTENSION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

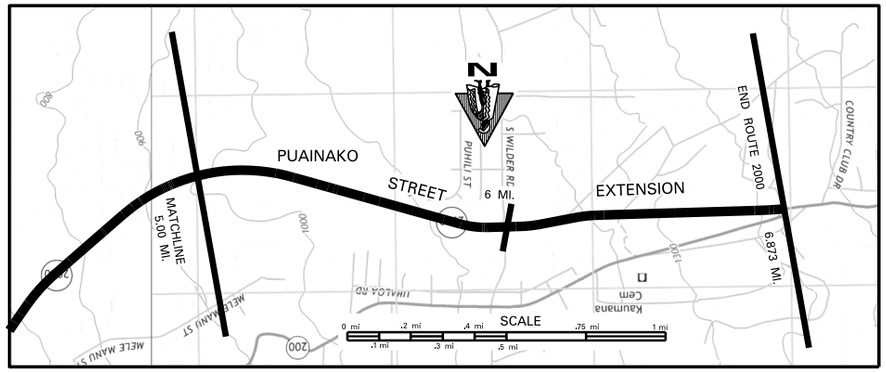
Total Route Length: 6.873 **miles**

a. Survey Length: 6.873 **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)

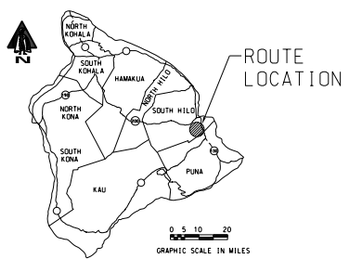
Right of Way Fence: Type – Right and Left

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

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

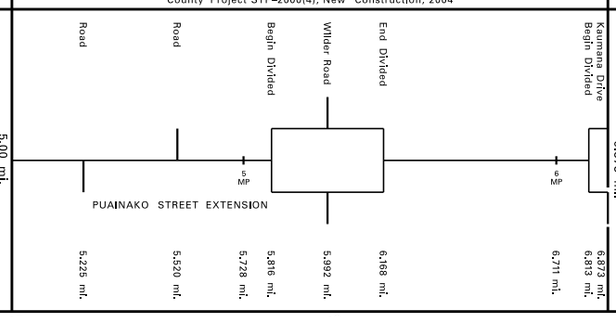
Project No., Type of Construction, and Year Constructed

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.



* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '15 VIDEOLOG & '15 FEATURES DATABASE.

END ROUTE 2000 ON PUAINAKO STREET EXTENSION AT THE EAST EDGE OF PAVEMENT WITH KAUMANA DRIVE. 6.873 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided — Shoulder: Width and Type: 9' AC

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

Shoulder: Width and Type: 9' AC | 0 | 9' AC | 0

Median: Width and Type: 0'–10' Painted AC (12' Painted AC)

Median Barriers: .816 | .868 | .813

Shoulder: Width and Type: 0 | 0

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

Shoulder: Width and Type: 9' AC (9' AC)

Number of Traffic Lanes: 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): .034 .315 .592

(Right Side): .868 .892 .847 .828

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

Sidewalk: Width and Type (Right and Left): .031 .338 .461 .523 .950 .054 .540 .651

Curb and/or Gutter: Type (Right and Left): AC G, AC G

Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless noted otherwise.

Illumination: Type, Location and Number: .444 .509 .566 .773 .787 .301 .177 .302 .516

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62): A | 5.44 B 5.94 | A

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45): D | 5.36 B 5.52 D 5.88 C 6.14 D 6.32 E 6.52 D 6.61 E

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban (99998)

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

Speed: 1–Design, 2–Posted: 55 MPH (2) | .513 | 40 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B71 2000 00222

HPMS Sections – AADT 2020: 8,800

HPMS Sections – AADT 2019: 7,800

HPMS Sections – AADT 2018: 6,500

DOD Sections

Census Tracts

Functional Classification: Major Collector (5)

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

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.
Sept 10	D.B.
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