STATE ROUTE SYSTEM

COUNTY OF MAUI

ISLAND OF MAUI

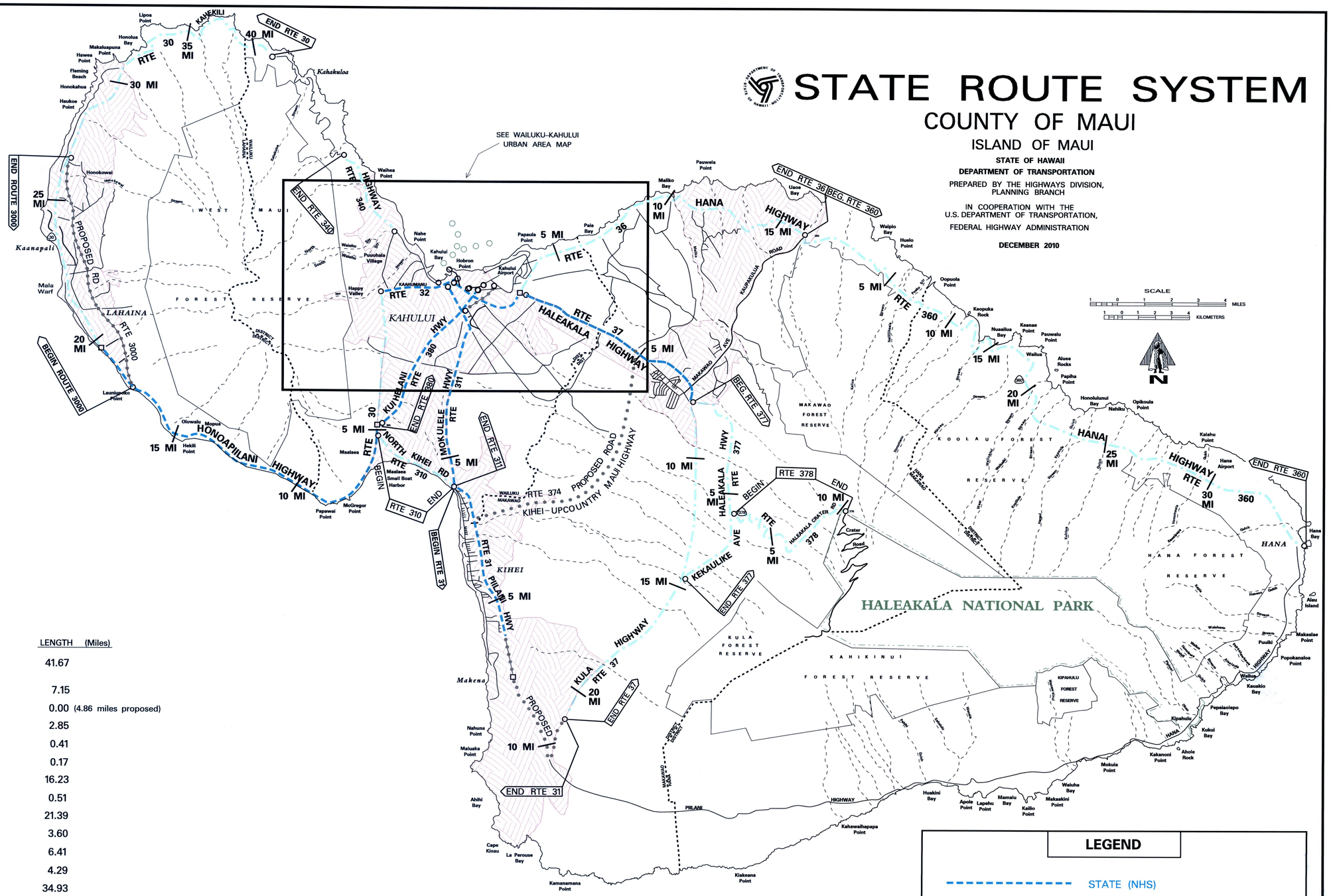
STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

PREPARED BY THE HIGHWAYS DIVISION,
PLANNING BRANCH

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

DECEMBER 2010



MAUI:

ROUTE		LENGTH (Miles)
30	(High St., Honoapiilani Hwy., Kahekili Hwy.)	41.67
31	(Piilani Hwy.)	7.15
31	(Piilani Hwy. extension)	0.00 (4.86 miles proposed)
32	(Main St., Kaahumanu Ave.)	2.85
32A	(Hobron St.)	0.41
32B	(Wharf St.)	0.17
* 36	(Hana Hwy.)	16.23
36A	(Haleakala Hwy., Keolani Pl.)	0.51
* 37	(Haleakala Hwy., Kula Hwy.)	21.39
310	(North Kihei Rd.)	3.60
311	(Puunene Ave. Mokulele Hwy.)	6.41
340	(Kahekili Hwy.)	4.29
* 360	(Hana Hwy., Keawa Pl.)	34.93
374	(Kihei-Upcountry Maui Hwy)	0.00 (9.80 mi. proposed No SLD)
377	(Haleakala Hwy., Kekaulike Ave.)	9.17
378	(Haleakala Crater Rd.)	10.15
380	(Dairy Road, Kuihelani Hwy.)	6.18
3000	(Lahaina Bypass)	0.00 (8.95 miles proposed)
3400	(Kahului Beach Rd., Waiehu Beach Rd.)	2.62
3500	(Puunene Ave.)	1.11
3800	(Airport Access Extension)	0.00 (1.67 miles proposed)

MAUI TOTAL = 168.84

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

COUNTY OF MAUI:

	LENGTH (Miles)
MAUI	168.84
MOLOKAI	55.65
LANAI	13.68
TOTAL	**238.17**

LEGEND

- STATE (NHS)
- STATE (Non-NHS)
- PROPOSED
- PROPOSED (NHS)
- WATER (NHS)
- Route termini point
- NHS to non-NHS transition point
- URBAN AREAS

Date Released	
Dec 2002, JK	
Revised	
Jan. 04	D.B.
Feb. 11	D.B.

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

STATE ROUTE SYSTEM

COUNTY OF MAUI

ISLAND OF MAUI

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION

PREPARED BY THE HIGHWAYS DIVISION, PLANNING BRANCH
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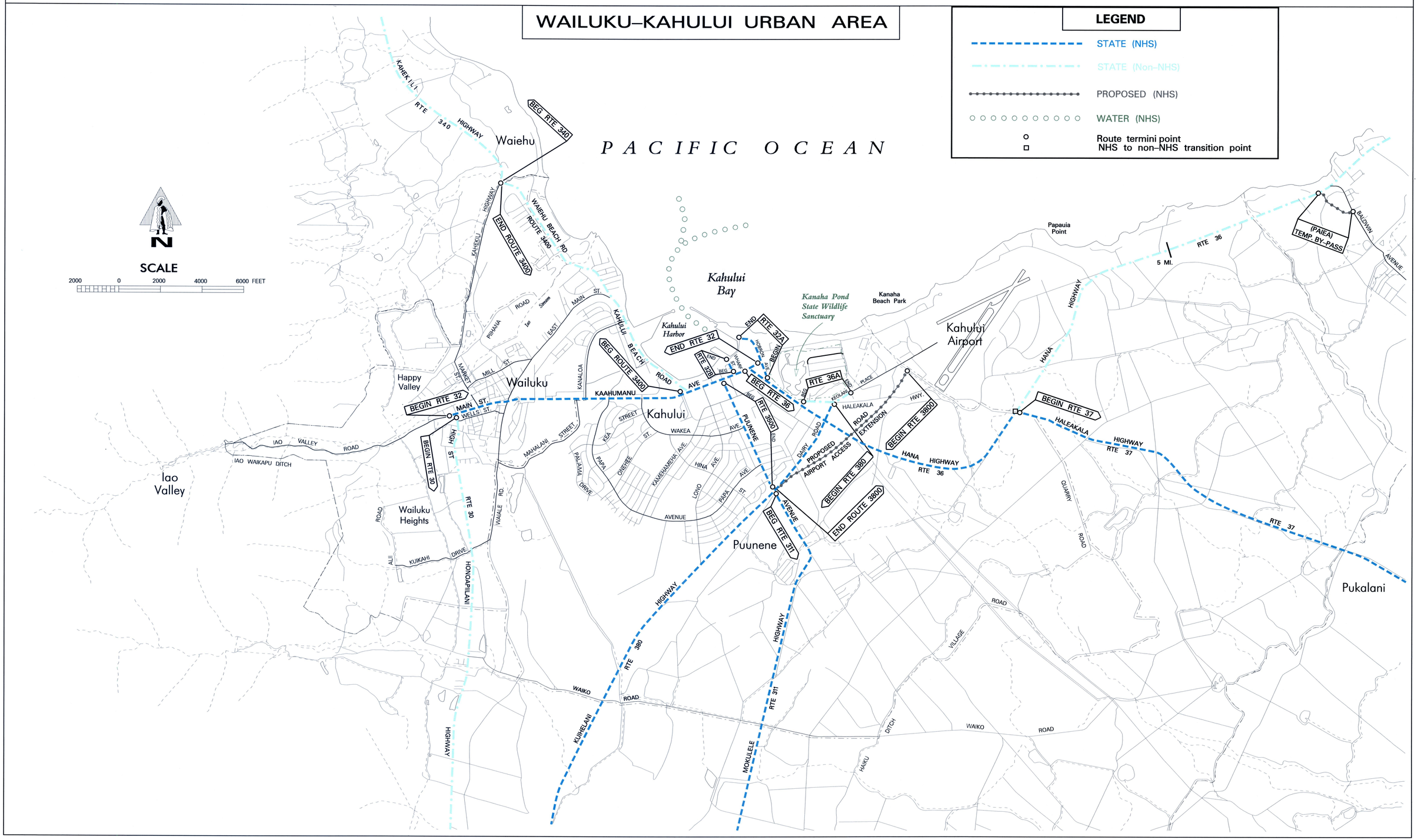
FEDERAL HIGHWAY ADMINISTRATION

DECEMBER 2010

WAILUKU–KAHULUI URBAN AREA



Date Released
Dec 2002, JK
Revised
Jan. 04 D.B.
Feb. 08 D.B.
Feb. 11 D.B.

2

STATE ROUTE SYSTEM

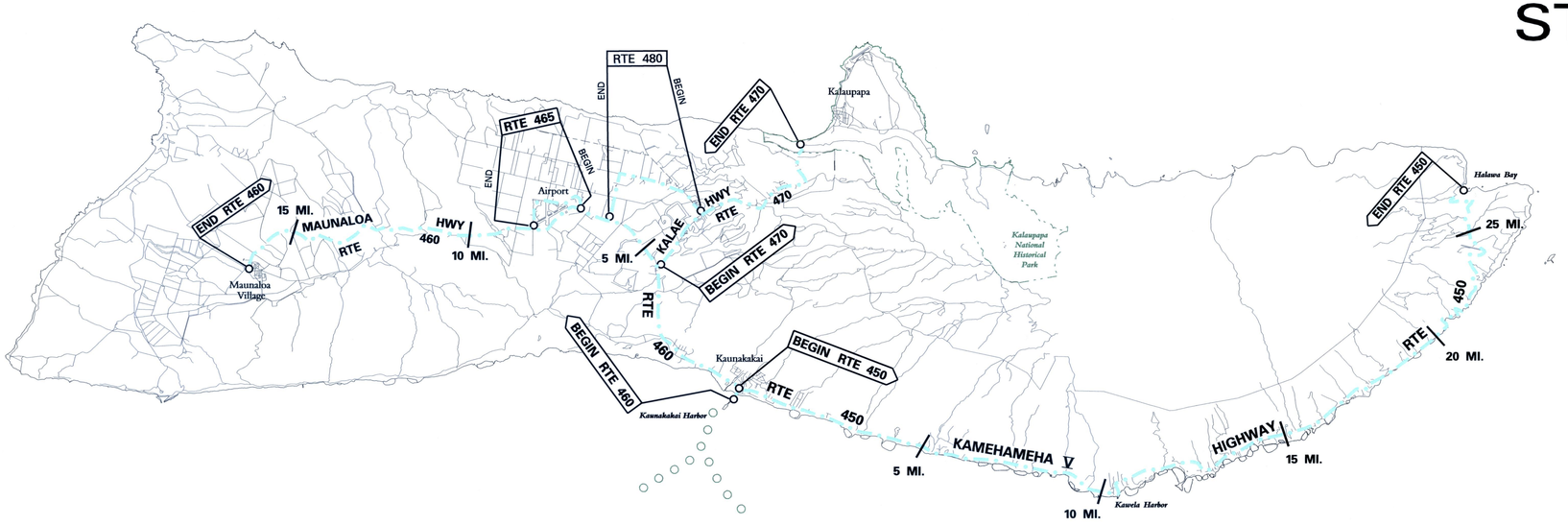
COUNTY OF MAUI

ISLANDS OF MOLOKAI & LANAI

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION

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

DECEMBER 2010



KALOHI CHANNEL

PACIFIC OCEAN

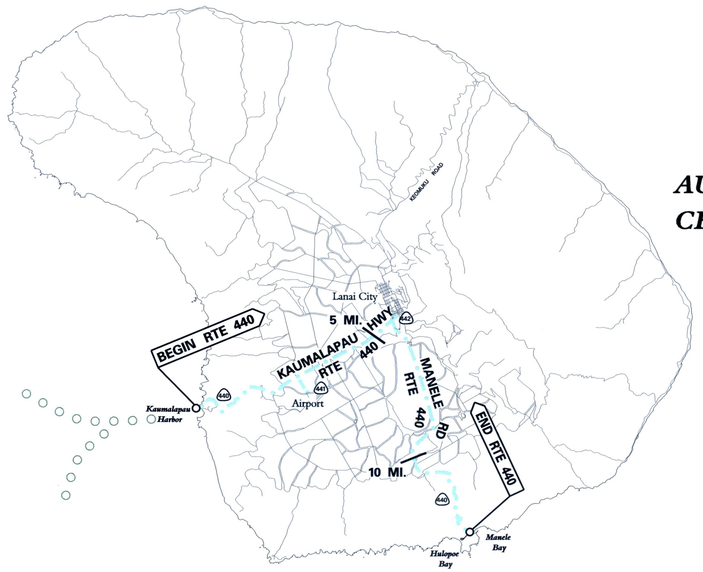
N

SCALE

1 0 1 2 3 4 MILES

1 0 1 2 3 4 KILOMETERS

AUAU CHANNEL



ROUTE LENGTH MILES)

MOLOKAI:			
	450	Kamehameha V Highway	27.51
	460	Kaunakakai Pl. & Maunaloa Hwy.	16.56
	465	Airport Loop	2.13
*	470	Kalae Highway	5.79
	480	Farrington Ave & Puupeelua Ave	3.66
		MOLOKAI Total =	**55.65**
LANAI:			
	440	Kaumalapau Hwy & Manele Rd.	**13.18**
	441	Access Road to Lanai Airport	**0.47**
	442	Lanai City Spur	**0.03**
		Lanai Total =	**13.68**

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

LEGEND

STATE (Non-NHS)

WATER (NHS)

Route termini point

Date Released	
Dec. 2002, JK	
Revised	
Jan. 04	D.B.
May. 05	D.B.
Dec. 09	D.B.
Feb. 11	D.B.

3

ROAD INVENTORY

MAUI RTE 30

HIGH ST. – HONOAPIILANI 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

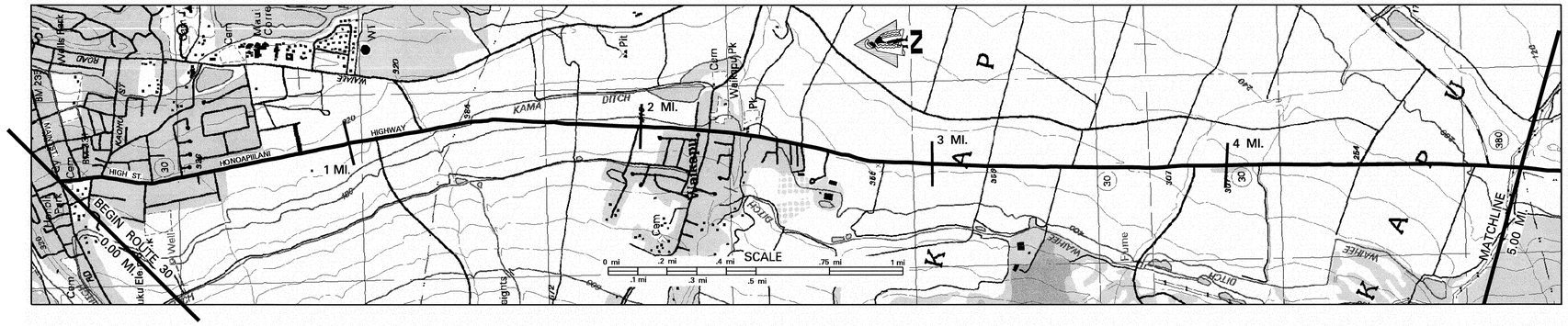
Total Route Length: 41.67 miles

a. Survey Length: 41.67 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 30E ON HIGH ST. 40' SOUTH OF THE CENTERLINE INTERSECTION WITH MAIN STREET.)

30E (0.32MI.) | 0.32 END 30D – BRGIN 30E ON HIGH STREET AT THE SOUTH E.P. OF KAHOOKELE ST. | 30 D (4.88MI.)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
SLAB, 1937, H–15 | 74' PRE–STRESSED CONC. GIRDER, HS–20–44, 2002

Vertical Clearance
39' | 4.98

Horizontal Clearance
24' | 38' N.B. 36' S.B.

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies
70' | 85' – 195'

Available Right of Way Width (Needs Study)
Res. Area 0.07–0.54 | 1000' Clear, Sugar Cane Field 15' from E.P. | Res. Area 2.23–2.47 | 1000' Clear, Sugar Cane Field 25' from E.P.

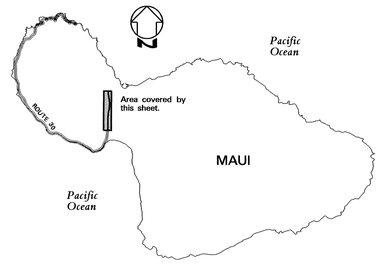
Right of Way Fence: Type – Right and Left
Pipe Fence 0.13–0.54 | Stone Wall 0.07–0.10 | Chain Link 2.17–2.21 | None 2.46–2.82

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–NH–0900(62), RESURF. 2004 0.55–0.54 (287+60) | 30D–01–05, Resurf., 2006 (75+13.50)

Project No., Type of Construction, and Year Constructed
HWY–M–02–91M, 2002 (R) 0.54 | STP–0900(50), Guardrail & Shoulder Imprv., 2002 | BR–NH–030–1(24), Bridge & Widening, 2002 4.57



Road Diagram
* MP = Milepost Signage

BEGIN RTE 30 ON HIGH ST. AT THE SOUTHEAST EDGE OF PAVEMENT OF MAIN ST (RTE 32). 0.00 mi.

Sta. 5 0.00 mi. Wells St. | Kaohu St. End Divided Hwy | Begin Div. Hwy | Kahookele St. End Divided Hwy | Kolo Pl. Begin Divided Hwy | Keanu St. | Sta. 5C 0.73 mi. Culvert | Kehalani Parkway (272+85) | Kuikahi Dr. | Culvert | Kuikahi Dr. End Divided Hwy | Culvert | Waiale Rd. End Divided Hwy | Cane Haul Rd. | Begin Divided Hwy | Piilkana St. | Sta. 5A 2.22 mi. Waiolu Pl. | Sta. 5B 2.32 mi. E. Waiko Rd. (L) | C10C mi. 2.32 Waikapu Br. End Div. Hwy | Waikapu Br. Begin Divided Hwy | Olioli Pl. | Lehuapuao Pl. | Begin Divided Hwy | Maui Tropical Plantation Rd. | End Divided Hwy | Cane Haul Rd. to Quarry | Cane Haul Rd. | Culvert End Divided Hwy | ECB Speed Monitoring Sign Begin Divided Hwy | Rd. to Golf Cource | Culvert End Divided Hwy | Gravel Road | Begin Divided Hwy | Sta. 10B 4.87 mi. Hwy (Rte 380) | Kuihelani | Pohakea Br.

S. HIGH ST. | HONOAPIILANI HIGHWAY | 1 MP | 2 MP | 3 MP | 4 MP | (272+85) | (177+60) | (112+40) | W. Waiko Rd. (L) | Auapuni St. | Makako St.

0.00 mi. 0.13 mi. 0.10 mi. 0.06 mi. 0.33 mi. 0.31 mi. 0.27 mi. 0.46 mi. 0.42 mi. 0.53 mi. 0.82 mi. 0.77 mi. 1.03 mi. 0.99 mi. 1.09 mi. 1.26 mi. 1.25 mi. 1.23 mi. 1.77 mi. 1.88 mi. 1.99 mi. 1.98 mi. 2.22 mi. 2.18 mi. 2.32 mi. 2.28 mi. 2.46 mi. 2.54 mi. 2.50 mi. 2.62 mi. 2.75 mi. 3.00 mi. 3.46 mi. 3.42 mi. 3.80 mi. 3.77 mi. 3.92 mi. 3.87 mi. 4.00 mi. 4.10 mi. 4.07 mi. 4.44 mi. 4.67 mi. 4.88 mi. 4.96 mi.

Indicates Grass & / or Physical Barrier on Median.

CONTINUED ON SHEET 2.

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type
0 | 4'–6' AC | 6' AC | 4' AC/10' Grass | 6' AC | (20' AC) | 6' AC | 10' AC

Pavement: Width and Type
12' AC | 24' AC | 12' AC | 24' AC | 12' AC (5' AC Bike Ln.) | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 36' AC | 12' AC | 24' AC

Shoulder: Width and Type
0 | 0 | 4'–6' AC | 0 | 4' AC/2' Grass | (6' AC) 0 | 6' AC | 0 | 6' AC | 0 | 4' AC

Median: Width and Type
0'–8' Paint | (0'–8' Paint) | 0'–12' Paint | 0'–12' Paint | 0'–12' Paint | 0'–12' Paint | (8' Paint) | 8'–18' Grass | (32' Grass) | (20' Grass)

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

Pavement: Width and Type
(14' AC) | (23' AC) | 12' AC | 12' AC (5' AC Bike Ln.) | 12' AC (5' AC Bike Ln.) | 12' AC | 12' AC | 24' AC

Shoulder: Width and Type
0 | 0 | 6' AC | 4' AC/2' Grass | 6' AC | 6' AC | 6' AC (5' AC Bike Ln.) | 8' AC

Number of Traffic Lanes
1–12' 1–14' (1–23') | 2–12' | 2–10' (5' AC Bike Ln.) | 2–12' | 4–12' (Transition Lane 0–12')

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
9' (L) Turn Lanes | 8' Parallel Parking | 12' Turn Lanes | 10' Turn Lanes | 12' Turn Lanes | 12' Turn Lanes | 12' Turn Lane

(Right Side)

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

Sidewalk: Width and Type (Right and Left)
4' Conc. | 4' Conc. S.W. | 4' Conc. Sidewalks | 4' Conc. Sidewalk | Conc. Sidewalk 2.19

Curb and/or Gutter: Type (Right and Left)
Conc. Curb | Conc. C. | AC Curb | 2' Conc. C & G | 2' Conc. C & G | 2' Conc. Curb & Gutter 2.18 | 2' Conc. Curb & Gutter 2.19

Protective Devices: Type, Location and Number All Metal Rails on Metal Posts except where indicated.

Illumination: Type, Location and Number
MV | 14 HPS

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative
0.77 –1 1.04 | 1.64 +1 1.81 | 3.54 +3 3.94 | 4.40 +3 4.61 4.80 +3

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
Small Urban | Rural

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

Speed: 1–Design, 2–Posted
20 MPH (2) | 35 MPH (2) | 45 MPH (2) | 30 MPH (2) | 45 MPH (2) | 45 MPH (2) 55 MPH (45 MPH Minimum) (2) | 45 MPH (2) | 45 MPH (Minimum 35 MPH) (2)

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

Traffic Stations (Current Year)
B74 0030 00000 | B74 0030 00029 | B74 0030 00109 | B74 0030 00198 | B74 0030 00461 | (B74 0030 00488)

HPMS Sections – AADT 2009
11,900 | 11,500 | 14,800 | 12,900 | 14,450 | 25,500

HPMS Sections – AADT 2008
13,513 | 11,723 | 14,703 | 14,506 | 14,206 | 28,610

HPMS Sections – AADT 2007
13,740 | 11,920 | 11,315 | 14,950 | 14,750 | 14,445 | 29,090

DOD Sections

Census Tracts

Functional Classification
Principal Arterial (3)

National Highway System (NHS)
Not On NHS (0) | On NHS (1)

Previous Projects: Project No., Date and Limits
0.53 STP–0900(50), GUARDRAIL AND SHOULDER IMPROVEMENTS (NH–030–1(25) R, 1996) 4.96
0.54 30D–01–82M (Resurface) 1982 | 30C–01–92 M (R) 1993 | (RSG–0380(8) Traffic Signals 4.80–4.94) (30D–01–92M R, 1982)
HWY–M–02–91M, 1992 (R) 0.54 | 4.16 30BC–01–70, 1970
County | 2.20–2.30 199+50 | FAP–13G 1936

Date Released
Aug 2003, D.B.

Revised	
Sept. 04	*D.B.*
Nov. 06	*D.B.*
Dec. 09	*D.B.*
Feb. 11	*D.B.*

ROAD INVENTORY

MAUI RTE 30
HONOAPIILANI 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

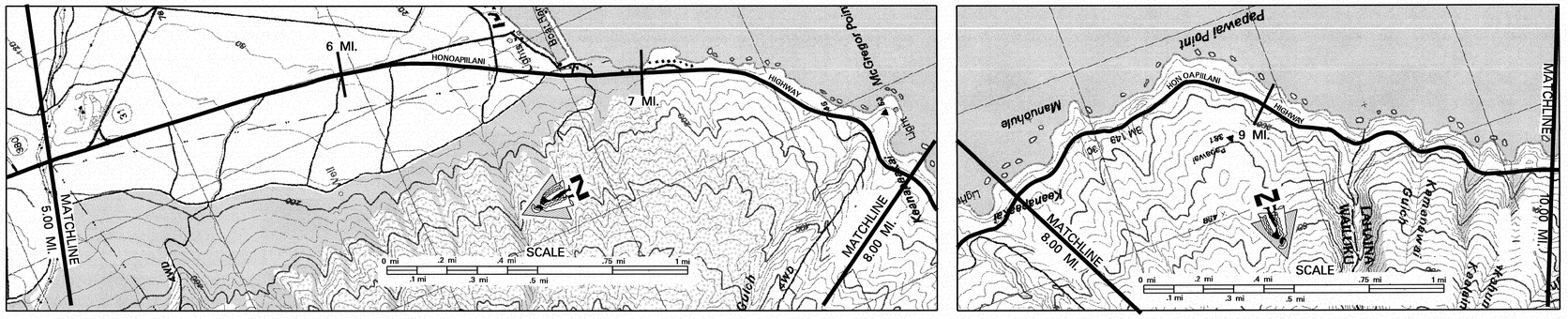
Total Route Length: 41.67 **miles**

a. Survey Length: 41.67 **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

30 D (4.88 MI.) 5.20 — End 30 C – Beg. 30 D on Honoapiilani Hwy 450' South of Projected Centerline Intersection of the North Spur to Kihei Road. — 30 C (15.33 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

85' – 195' (5.31) | 160'–180' (6.13) | 80'–100' (6.29) | 70' – 125' (7.53) | 70' – 160' (8.02) | 120'–490'

Available Right of Way Width (Needs Study)

1000' Clear, Sugar Cane Field 25' From E.P. (5.27) | 1000' Clear, Pineapple Field, 35' from E.P. | Residential Area (6.76–7.00) | Brush and Trees

Right of Way Fence: Type – Right and Left

Wire on Wood (5.38) | Wire on Wood (6.76–7.00) | Wire on Wood (7.34–7.83) | Wire on Wood (7.94–8.01) | Wire (9.15–9.27) | Wire on Wood (9.36–9.54) | Wire (9.59–9.98)

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

None | Rock Fall Protection (9.15–9.98)

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

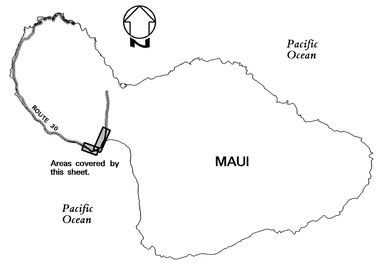
State

Project No., Type of Construction, and Year Constructed

NH–030–1(28), Widening, 2003 (5.31–6.29) | STP–0900(53), 2002 Guardrail & Shldr. Imp. (6.67–7.48) | STP–0900(53), 2002 Guardrail & Shldr. Imp. (8.61)

Project No., Type of Construction, and Year Constructed

BR–NH–030–1(24) Bridge & Widening, 2002 (5.31–5.50) | NH–030–1(25) Resurface 1996 (5.50–7.47) | (30C–01–88M (R) 1988) (7.47–7.57) | (ROS–030–1(14), Imp. 1979) (7.57–8.61) | HWY–M–01–99M (R) 2000 (8.61–10.00)



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET 1. 5.00 mi.

Sta. 10 5.22 mi. North (Kihei Rd. (Rte 310)) | Indicates Grass & / or Physical Barrier on Median. | Rd. to Maalaea Village | Kapoli St. | Maui Ocean Center End Divided Hwy | Maalaea Rd. Spur | Sta. 10A 6.82 mi. Road to Maalaea Boat Harbor | Maalaea Bay Place | Road | Begin Divided Hwy | Scenic Lookout Entrances | End Divided Hwy | Rd. to Lookout

HONOAPIILANI 6 MP – 6 MP – 5.95 mi. | 7 MP | 8 MP | ECB In Out | 9 MP | HIGHWAY

5.22 mi. | 5.97 mi. | 6.11 mi. | 6.36 mi. | 6.51 mi. 6.49 mi. | 6.70 mi. 6.68 mi. | 6.82 mi. | 7.00 mi. 6.98 mi. | 8.03 mi. | 8.18 mi. | 8.50 mi. | 8.70 mi. 8.68 mi. | 8.80 mi. | 9.03 mi. | 9.92 mi.

CONTINUED ON SHEET 3. 10.00 mi.

SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

Divided Highway – Undivided

- **Shoulder: Width and Type** (Combination Shldr./Bike Route from 6.83mi. to 20.23mi.): 10' AC (5.31) | 8' AC (6.29) | 4'–6' AC ←▷ (See Note) (6.83–7.18) | 6'–8' AC (7.18–8.40) | 4'–6' AC (8.40–9.00) | 6'–8' AC (9.00) | 8'–10' AC
- **Pavement: Width and Type**: 24' AC | 12' AC (6.34) | 24' AC | 36' AC (6.67–6.83) | 24' AC | 14' AC | 24' AC
- **Shoulder: Width and Type** (Combination Shldr./Bike Route from 6.83mi. to 20.23mi.): 4' AC (6.03) | 0 | ←▷ (See Note) | 6'–8' AC | 0 | 6'–8' AC (9.62) | 8'–10' AC
- **Median: Width and Type**: 32' Grass (5.37) | 22' Grass (5.95) | 0–10' Paint (6.49) | 0–14' Painted AC (8.50–8.80)
- **Shoulder: Width and Type**: 4' AC (6.03) | 0 | 0
- **Pavement: Width and Type**: 24' AC (6.11) | 12' AC | 14' AC
- **Shoulder: Width and Type** (Combination Shldr./Bike Route from 6.83mi. to 20.23mi.): 8'–10' AC (6.03) | 6'–8' AC (6.37) | 6'–8' AC

Number of Traffic Lanes

4–12' | (1–12') (2–12') (6.11) | 2–12' (6.34) | 2–12' 1–12' (6.67–6.87) | 2–12' | 2–14' (8.80) | 2–12'

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

(5.06–5.07) (5.22–5.42) | (5.91–6.11) (6.25–6.38) | 11' Turn Lane ←▷ (8.58–8.80) | ◁→ 11' Merge 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)

5.01 | 5.35 | 5.45 | 5.69 | 6.68–6.88 | 6.77 | 6.81 | 6.86 | 7.10 | 7.17 | 7.20 | 7.27 | 7.28 | 7.31 | 7.39 | 7.42 | 7.49 | 7.50–7.58 | 7.53 | 7.62 | 7.73 | 7.76 | 7.81 | 7.83 | 7.92 | 7.97 | 8.01 | 8.07 | 8.09 | 8.15 | 8.23–8.31 | 8.30 | 8.37 | 8.44 | 8.45 | 8.53 | 8.61 | 8.79 | 8.83–8.85 | 8.86 | 8.88 | 8.91 | 9.00 | 9.03 | 9.07 | 9.11 | 9.13 | 9.18 | 9.24 | 9.32 | 9.34 | 9.38 | 9.39 | 9.42 | 9.46 | 9.50 | 9.54 | 9.57–9.60 | 9.64 | 9.71 | 9.75 | 9.78 | 9.82 | 9.88 | 9.95

Protective Devices: Type, Location and Number (All Metal on Metal except where indicated)

Illumination: Type, Location and Number

5.03 | 5.04 | 5.14 | 15 HPS | 5.29 | 5.72 | 5.95 | 6.18 | 6.29 | 6.36 | 6.46 | 6.53 | 6.57 | 6.64 | 6.74 | 6.80 | 6.82 | 6.87 | 6.92 | 7.16

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

+3 (6.03)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

Rural

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

Flat (6.05) | Mountainous (6.70)

Speed: 1–Design, 2–Posted

45 MPH (2) | 45 MPH (Min. 35 MPH) (2) | 45 MPH (Min. 35 MPH) (2)

Intersection Control Devices: Type, Location and Cycle Timing

45 MPH (Min. 35 MPH) (2) 3 Phase (5.22–6.29) | 45 MPH (2) (5.23–6.69)

Traffic Stations (Current Year)

B74 0030 00488 | B74 0030 00522 | B74 0030 00611

HPMS Sections – AADT 2009

25,500 | 29,102 | 23,000

HPMS Sections – AADT 2008

28,610 | 28,610 | 25,133

HPMS Sections – AADT 2007

5.22 | 29,090 | 6.11 | 25,555

DOD Sections

Census Tracts

Functional Classification

Principal Arterial (3)

National Highway System (NHS)

On NHS (1)

Previous Projects: Project No., Date and Limits

NH–030–1(25) Resurface 1996 (7.47)

(30C–01–92M (R) 1993) 5.03 – 7.57 | HWY–M–01–99M (R) 2000 (7.57–10.00)

(30D–01–82M (R) 1982) 5.03 – 5.21 | 30C–01–86M (R) 1986 (5.21–6.96) | 30C–01–88M (R) 1988 (6.96–7.56) | 7.58 | 30C–01–90M (R) 1990 (7.58–8.10) | 8.50 | HES–STP–030–1(20) 1994 (8.50–8.88) | 30C–01–90M (R) 1990 (8.88–10.00)

5.03 | 30CD–01–84(Shldr. Imprv.) 1985 (6.68–6.96) | ROS–030–1(14) Safety Imprv. 1979 (6.96–8.32) | 8.36 | LT–M–01–78 (R) 1979 (8.36–10.00) | ROS–030–1(12) 1977

30BC–01–70 1970 | 30BC–01–71, (R) 1971 (7.27–7.55) | Resurf 1950 (7.55–8.14) | 30C–01–75M Resurf 1975 (8.14–8.68) | F–30(5) 1953 (8.68–10.00)

FAP – 13G 1936 (6.07) | NRH – 13C 1934 (6.40) | NRH – 13D 1935 (115 + 00 – 376 + 81.31)

SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

Date Released
Aug 2003, D.B.

Revised	
Aug 04	D.B.
Nov. 06	D.B.
Mar. 09	D.B.
Feb. 11	D.B.

ROAD INVENTORY

MAUI RTE 30
HONOAPIILANI 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

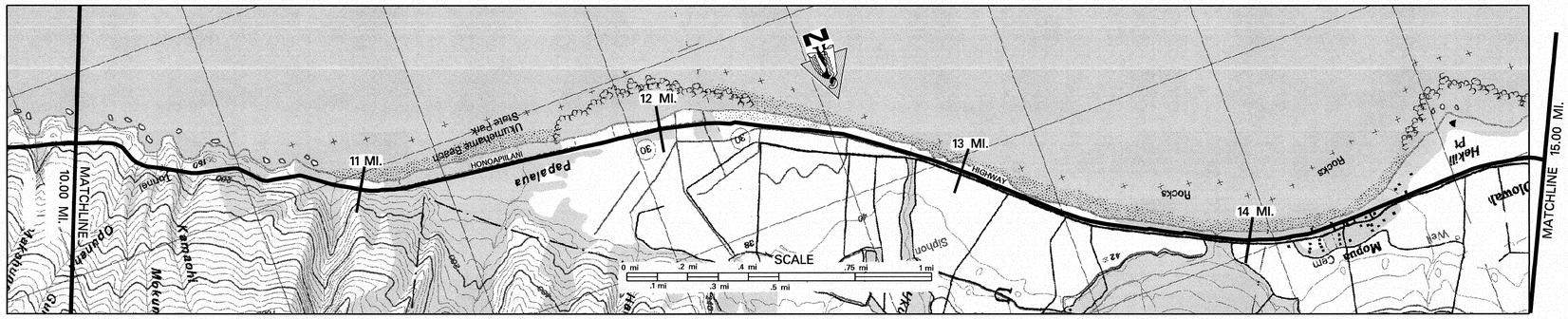
Total Route Length: 41.67 miles

a. Survey Length: 41.67 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 4" = 1 mile

10 | 11 | 12 | 13 | 14 | 15

Maintenance Control Sections : Length and Description

30 C (15.33 MI.)

Structure Carrying Road

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

Tunnel 1950 (10.34) | RC, Flat Slab H20, 1950 35' (12.82) | 44'

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies (120'–490') | 80'–345'

Available Right of Way Width (Needs Study)

Right of Way Fence: Type – Right and Left Brush & Trees | Wire | (R) Clear – 40' Canefield (L) Beach | Trees & Bushes | Canefield 1000' Clear – 40' from E.P.

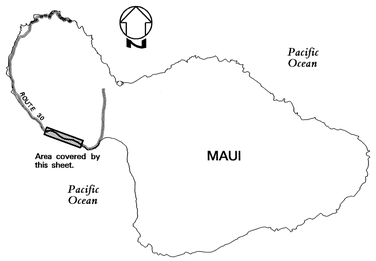
Rock Fall Protection

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-0900(53) 2002 Guardrail & Shldr. Imp. | (30C-01-06M, Resurf., 2008) | 32 + 00

Project No., Type of Construction, and Year Constructed (STP-0900(52) Bikeway Imp., 2002) | HWY-M-01-99M (R), 2000 | STP-0900(53), Guardrail & Shoulder Improvements, 2002



Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET 2. 10.00 mi.

Begin Tunnel | End Tunnel | Sta. 11B 11.46 mi. | Ukumehame Firing Range | Culvert | Ent. to Parking Lot Ukumehame Beach Park | Ukumehame Br. | Paved Road | Paved Road | Paved Road | Begin Divided Hwy

ECB | HONOAPIILANI | ECB | ECB (R) | HIGHWAY | ECB

MP 10 | MP 11 | MP 12 | MP 13 | MP 14 | MP 15

10.02 mi. 10.01 mi. | 10.33 mi. | 10.39 mi. | 10.93 mi. | 11.00 mi. | 11.71 mi. | 11.84 mi. | 11.96 mi. | 12.05 mi. | 12.08 mi. | 12.82 mi. | 12.98 mi. | 13.97 mi. | 14.02 mi. | 14.29 mi. | 14.39 mi. | 14.46 mi. | 14.53 mi. | 14.80 mi. | 15.00 mi.

CONTINUED ON SHEET 4. 15.00 mi.

SCALE: (In Miles) 4" = 1 mile

10 | 11 | 12 | 13 | 14 | 15

Divided Highway — Undivided

Shoulder: Width and Type (Combination Shldr./Bike Route from 6.83mi. to 20.23mi.) | 8'–10' AC | 8'–10' AC | 18'–20' AC | 8' AC | 10' AC | 4' AC | 6' AC | 4' AC/ 6' Grs

Pavement: Width and Type (5" PCC) | 24' AC | 12' AC

Shoulder: Width and Type (Combination Shldr./Bike Route from 6.83mi. to 20.23mi.) | 6'–8' AC | 8'–10' AC | 6' AC | 0

Divided Highway

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

Shoulder: Width and Type | 0

Pavement: Width and Type | 12' AC

Shoulder: Width and Type (Combination Shldr./BikeRoute from 6.83mi. to 20.23mi.) | 6' AC

Number of Traffic Lanes | 2–12'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number All Metal Rails on Metal Posts except where otherwise indicated. B = Conc. Barrier | B | Concrete Guardrail – Type 4K

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year) B74 0030 00611 | B74 0030 01093 | B74 0030 01388

HPMS Sections – AADT 2009 23,000 | 25,665 | 26,270

HPMS Sections – AADT 2008 25,133 | 25,231 | 25,826

HPMS Sections – AADT 2007 25,555 | 25,655 | 26,260

DOD Sections

Census Tracts

Functional Classification Principal Arterial (3)

National Highway System (NHS) On NHS (1)

Previous Projects: Project No., Date and Limits

(NH-030-1(25), (R) 1996) | (HES-STP-030-1(19))

HWY-M-01-99M (R), 2000 | 30C-01-90M, (R) 1990

30C-01-90M, (R) 1990 | 30AC-01-87M (R) 1988 | STP-030-1(21) (R) 1994

(30C-01-78, GR/Shldr., 1981)

LT-M-01-78 (R) 1979 | ROS-030-1(14) 1979 Safety Imprv. | ROS-030-1(12) 1977 | 30C-01-78 (Guardrail & Shldr.) 1981 | 30AC-01-87M (R) 1988 | 30C-01-78 G.R. & Shldr., 1981

30C-01-75M (R) 1975 | F-30(3) 1951 | 30C-02-72 (R) 1972

(F-30(5) 1953) | F-30(3) 1950

Date Released
Aug 2003, D.B.

Revised	
Aug 04	*D.B.*
Nov. 06	*D.B.*
Mar. 09	*D.B.*
Dec. 09	*D.B.*
Feb. 11	*D.B.*

ROAD INVENTORY

MAUI RTE 30
HONOAPIILANI 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

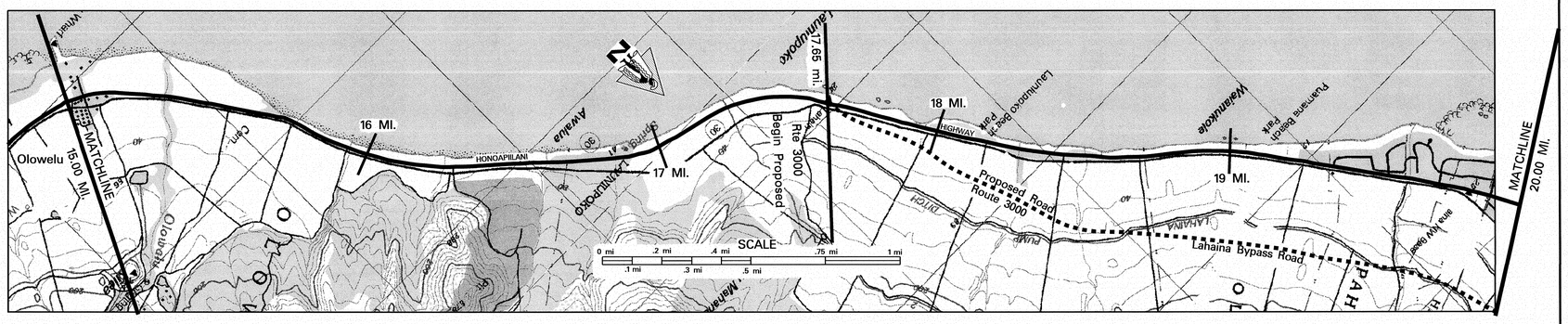
Total Route Length: 41.67 miles

a. Survey Length: 41.67 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 4" = 1 mile

15 | 16 | 17 | 18 | 19 | 20

Maintenance Control Sections : Length and Description

30 C (15.33 MI.)

Structure Carrying Road

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

RC, Flat Slab H15, 1938 | 62' | 15.31 | 24'

RC Flat Slab, 1938, H15 | 26' | 16.82 | 24'

RC Flat Slab, 1938, H15 | 42' | 17.26 | 24'

Conc. Slab, 1971, HS 20 | 27' | 19.59 | 44'

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

80'–345' | 16.24 | 70'–80' | 17.84 | 76'–280'

Available Right of Way Width (Needs Study)

Canefield 1000' Clear – 40' from E.P. | 16.13 | Trees & Heavy Bushes | 18.00 | (R) 1000' Clear Cane Field, 50' from E.P. (L) Beaches & Residential Area

Right of Way Fence: Type – Right and Left

18.55 | 19.35 Wood Fence 30' from E.P.

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

None

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

State

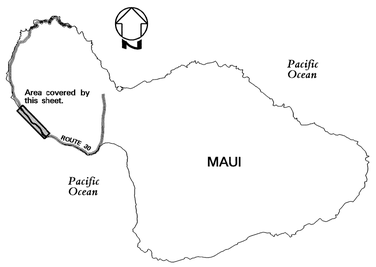
Project No., Type of Construction, and Year Constructed

155+50 | 19.35 | 19.62 (STP-0900(53) G.R./Shldr., 2002)

30C–01–06–M, Resurf., 2008

Project No., Type of Construction, and Year Constructed

STP–0900(53), Guardrail & Shoulder Improvements, 2002 | 19.34 | 30ABC–01–97M, R, 1998



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET 3.

15.00 mi. | 15 MP | 531+50

Paved Rd. 15.04 mi.
End Divided Hwy 15.00 mi.
Sta. ChA 15.32 mi. Olowelu Br. "A" 15.22 mi.
Begin Divided Hwy 15.32 mi.
Road 15.39 mi.
End Divided Hwy 15.48 mi.
Begin Divided Hwy 15.55 mi.
16 MP
Rd. to Refuse Disposal Site 16.00 mi.
ECB
End Divided Hwy 16.20 mi.
Olowelu Br. "B" 16.31 mi.
16.30 mi.
Culvert 16.48 mi.
17 MP
Culvert 16.63 mi.
Sta. 11A 17.27 mi. Launiupoko Br. 16.84 mi.
Culvert 17.01 mi.
Culvert 17.27 mi.
Culvert 17.39 mi.
Culvert 17.48 mi.
Culvert Beg. Proposed Rd. 17.59 mi.
Culvert (Rte 3000) 17.65 mi.
Culvert 17.70 mi.
Culvert 17.79 mi.
Begin Divided Hwy 17.93 mi.
Launiupoko Beach Park (L) 18.00 mi.
18 MP
Kai Hele Ku St. (R) 18.06 mi.
End Divided Hwy 18.18 mi.
Culvert 18.28 mi.
Culvert 18.50 mi.
Culvert 18.75 mi.
Culvert 18.99 mi.
19 MP
Entrance to Launiupoko Beach Park 19.12 mi.
Culvert 19.18 mi.
Begin Divided Hwy 19.32 mi.
Hokiokio Pl. 19.45 mi.
Kauaula Strm. Br. 19.55 mi.
End Divided Hwy 19.58 mi.
Sta. 26E 19.69 mi. Front St. 19.69 mi.
Aholo Rd. 19.86 mi.
20 MP
End Divided Hwy 20.00 mi. 19.97 mi.

HONOAPIILANI HIGHWAY

164+40

CONTINUED ON SHEET 5.
20.00 mi.

SCALE: (In Miles) 4" = 1 mile

15 | 16 | 17 | 18 | 19 | 20

Divided Highway – Undivided

Shoulder: Width and Type (Combination Shldr/Bikelane from 6.83mi. to 20.23mi.)

4' AC/10' Grass | 15.18 | 6' AC | 15.32 | 8' AC | 6' AC | 15.55 | 10' AC | 8' AC | 17.87 | 6' AC | 18.42 | 8' AC | 19.11 | 4'–6' AC | 19.45 | 8' AC

Pavement: Width and Type

12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | (5' AC/10' Dirt) | 12' AC | (24' AC) | 12' AC

Shoulder: Width and Type (Combination Shldr/Bikelane from 6.83mi. to 20.23mi.)

0 | 6'–8' AC | 0 | 6'–8' AC | 0 | 6'–8' AC | 0 | 4' AC/10' Dirt | 18.78 | 6' AC | 19.22 | 0 | (6'–8' AC) | 0

Divided Highway – Median: Width and Type

0–10' Painted AC | 19.22 | 15.39 | 0'–3' Painted AC | 15.55 | 16.00 | 0–11' Painted AC | 16.48 | 17.93 | 10' Paint | 18.18 | 0'–10' Painted AC | 19.32 | 15.55 | 10' Paint | 19.58 | 20.00

Median Barriers:

Shoulder: Width and Type

0 | 0 | 0 | 0 | 0 | 0

Pavement: Width and Type

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

Shoulder: Width and Type

6'–8' AC | 10'–12' AC | 6'–8' AC | 6'–8' AC | 6'–8' AC | 6'–8' AC | 19.86 | 4' AC

Number of Traffic Lanes

2–12'

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

14.92 | 15.15 | 10' T.Ls | 15.43 | 15.53 | 10' T.Ls | 16.37 | 16.47 | 11' T.L. | 18.00 | 18.13 | 19.33 | 19.40 | 19.50 | 10' T.Ls | 19.63 | 19.68 | 19.82 | 19.93

(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 indicated. B = Conc. Barrier

15.04 | 15.11 | 15.78 | 15.87 | 15.91 | 16.34 | 16.38 | 16.50 | 16.51 | 16.61 | 16.76 | 16.85 | B | 17.18 | 17.25 | 17.89 | 18.31 | 18.40 | 18.61 | 19.10 | 19.50 | 19.55 | 19.86 (conc./CRM Retaining Wall)

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

15.47 | +1 | 15.74 | 16.63 | +2 | 16.97 | 17.10 | –1 | 17.23 | 17.71 | +2 | 18.01 | 19.31 | –1 | 19.66

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

Rural | 17.65 | Small Urban

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

Flat

Speed: 1–Design, 2–Posted

35 MPH (2) | 15.19 | 45 MPH (2) 45 MPH (Minimum35) (2) | 15.39 | 16.26 | 16.39 | 45 MPH (Min. 35 MPH) (2) 45 MPH (2) | 18.01 | 35 MPH (2) | 18.19 | 35 MPH (2) 45 MPH (2) | 19.69 | 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

B74 0030 01388 | B74 0030 01765 | B74 0030 01969

HPMS Sections – AADT 2009

26,270 | 24,400 | 24,755

HPMS Sections – AADT 2008

25,826 | 17.65 | 25,826 | 19.69 | 24,336

HPMS Sections – AADT 2007

26,260 | 24,745

DOD Sections

Census Tracts

Functional Classification

Principal Arterial (3) | 19.69 | Minor Arterial (4)

National Highway System (NHS)

On NHS (1) | (NHS diverted to bypass @ 19.68 mi. (Proposed Lahaina Bypass is all NHS)) | 19.69

Previous Projects: Project No., Date and Limits

(HES–STP–030–1(19))

15.24 STP–030–1(21), R, 1994

STP–030–(21) (R) 1994 | 19.34 | 19.66 30–BC–01–87M (R) 1987

15.33 30C–01–90 (GR & Shldr), 1991 | 17.91 | 30BC–02–86 Improvements, 1987

15.19 (30C–01–78 GR &Shldr, 1981) 30C–01–82M (R) 1982 | 16.20 | 19.49 F–30(1) 1957

30C–02–72 Resurface 1972 | 16.83 | 30C–01–85M (R) 1985 | F–30(1) 1957

F–30(3) 1950 0 + 00 to 136 + 50 | 15.27 F–30(4) 1951 | 17.84 0 + 00 to 235 + 90.71 | F–30–1(1) 1956

SCALE: (In Miles) 4" = 1 mile

15 | 16 | 17 | 18 | 19 | 20

Date Released
Aug 2003, D.B.

Revised	
Aug 04	*D.B.*
Mar. 05	*D.B.*
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ROAD INVENTORY

MAUI RTE 30
HONOAPIILANI HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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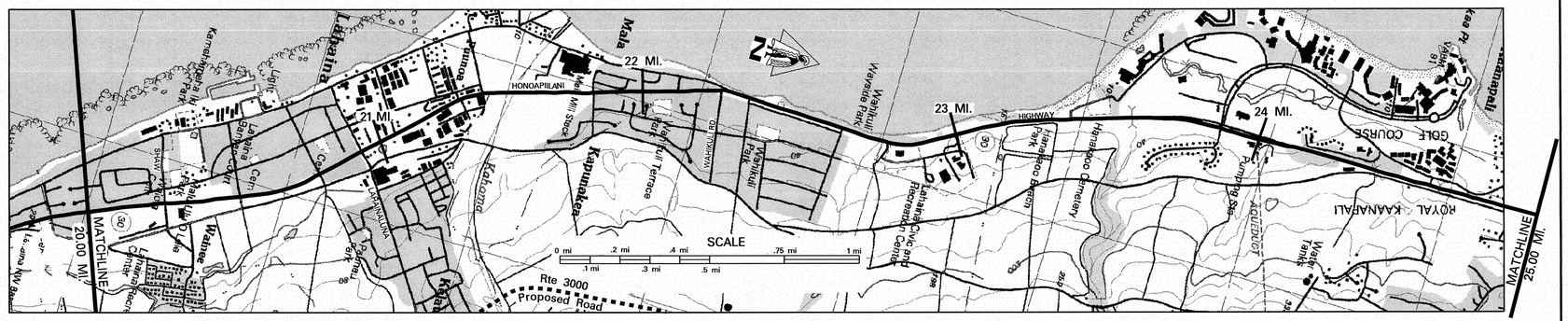
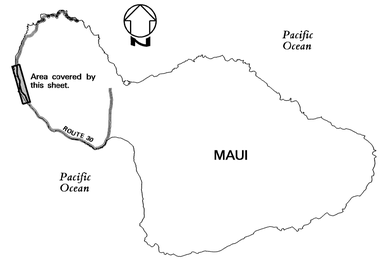
Total Route Length: 41.67 miles
a. Survey Length: 41.67 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*



SCALE: (In Miles) 4" = 1 mile

		20	21	22	23	24	25
Maintenance Control Sections : Length and Description		30 C (15.33 MI.)	End 30 B, Beg 30 C on Honoapiilani Hwy at the centerline intersection with Prison St. (20.53)	30 B (1.75 MI.)	End 30 A, Beg 30 B on Honoapiilani Hwy at the centerline intersection with Wahikuli Rd. (22.28)	30 A (13.59 MI.)	
Structure Carrying Road	**Bridges (Over 20'): Length, Type, Capacity and Year Constructed**		RC Twin Box Culvert, 1957 H 20			Tee Beam 1969	Pre Stressed Concrete Girder HS–20–44, 1969,1999
	Vertical Clearance		44' (21.48)			(23.58)	45'–4" (24.41)
	Horizontal Clearance		44'				
Structure Over Road	**Vertical Clearance**					16.8'	16.5'
	Horizontal Clearance					47'	74'
Right of Way Width (min.–max.) if varies			76'–280'		80'–190' (22.40)		
Available Right of Way Width (Needs Study)			(R) 1000' Clear Cane Field, 50' from E.P. (L) Beach & Residential Area	Residential (20.82–21.30)	Clear Canefield (21.40–21.80)	Residential (21.80–22.70)	Brush & Trees (22.82)	Residential/Recreation
Right of Way Fence: Type – Right and Left			Various 20.24 Chain Link (20.49)	Various (20.86–21.04)	Chain Link (21.21–21.89)	Various (22.00)		Rock Fall Protection (24.21–24.55)
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			109 + 80 (20.22)			82 + 50 (23.94)		
Project No., Type of Construction, and Year Constructed			30ABC–01–97M, R, 1998	<—(STP–030–1(29), Inter. Impr. @ Dickenson St., 1999) (20.78)	30ABC–01–97M, R, 1998			STP–030–1(31) (Resurf & Widen) 1999 (23.90)



Road Diagram
* MP = Milepost Signage

20.00 mi. CONTINUED FROM SHEET 4.

End Divided Hwy (20.00 mi.) · Begin Divided Hwy (20.11 mi.) · Shaw St. (20.25 mi.) · Driveway & Highway Divided Prison St. (20.50 mi.) · Begin Divided Hwy (20.55 mi.) · Sta. 25G 20.76 mi. Dickenson St. (20.71 mi.) · Sta. 26C 20.93 mi. Lahainaluna Rd. (20.78 mi.) · Sta. 26D 21.06 mi. Papalaua St. (20.93 mi.) · End Divided Hwy (20.99 mi.) · Beg Div. Hwy (21.06 mi.) · Sta. 26J 21.31 mi. Hinau St. (21.16 mi.) · Kanui St. (21.24 mi.) · Sta. 25D 21.49 mi. Kahoma Br. (21.31 mi.) · Keawe St. (21.38 mi.) · Sta. 25H 21.75 mi. Kapunakea St. (21.49 mi.) · End Divided Hwy (21.56 mi.) · Begin Divided Hwy (21.75 mi.) · Sta. 25F 22.26 mi. Wahikuli Rd. Front St. (21.85 mi.) · End Divided Hwy (21.97 mi.) · Begin Divided Hwy (22.07 mi.) · Leiali'i Parkway (Recreation Center Rd.) (22.18 mi.) · Begin Divided Hwy Kanaiu Rd. (22.28 mi.) · End Divided Hwy (22.44 mi.) · Sta. 26 22.99 mi. Exit from Honokowai Park End Divided Hwy (22.61 mi.) · Entrance to Wahikuli State Park (22.76 mi.) · Begin Divided Hwy (22.99 mi.) · Hanakao'o Beach Park (22.94 mi.) · End Divided Hwy (23.14 mi.) · Golf Course Overpass & Telemetry Sta. 400 Culvert (23.24 mi.) · Begin Divided Hwy (23.38 mi.) · Sta. 12A 23.89 mi. Kaanapali Parkway (23.47 mi.) · Parking Area Kuialapa Loop Bridge O.P. (23.58 mi.) · Kekaa Drive (23.57 mi.) · (23.71 mi.) · (23.77 mi.) · (23.89 mi.) · (23.93 mi.) · (24.04 mi.) · (24.41 mi.) · (24.46 mi.) · (24.60 mi.) · (24.95 mi.)

Civic Ctr. Rd. · Fleming Rd. · Halelo St.

HONOAPIILANI HIGHWAY

Indicates Grass & / or Physical Barrier on Median.

25.00 mi. CONTINUED ON SHEET 6.

		20	21	22	23	24	25
Divided Highway	**Undivided**						
	Shoulder: Width and Type * (Combination Shldr/Bike Route from 6.83mi. to 20.23mi., 20.80mi. to 31.20mi.)	8' AC* (20.23)	(20.72–20.85)		*4'–6' AC		
	Pavement: Width and Type	24' AC (20.24)	12' AC (20.55)	22' AC (20.85–21.38)	44' AC 22' AC (21.38–21.78)	22' AC (21.78)	44' AC (21.78–22.18)	22' AC (22.18)	44' AC (22.18–22.44)	44' AC (22.44–22.61)	22' AC (22.61–23.71)	44' AC (23.71–24.04)	22' AC (24.04–24.52)
	Shoulder: Width and Type * (Combination Shldr/Bike Route from 6.83mi. to 20.23mi., 20.80mi. to 31.20mi.)	(4' AC)	(8'–10' AC) 0	8'–10' AC 0 (11' AC)	6'–8' *AC 0	*6'–8' AC 0	*6'–8' AC 0	*6'–8' AC 0	*6'–8' AC 0	*6'–8' AC 0	*6'–8' AC 0	*6'–8' AC 0	(0'–10' Painted Median) 0
	Median: Width and Type		10' Paint (20.11)	0–10' Paint (20.55–20.71)	0–12' Paint (21.18–21.24)	0–12' Paint (21.24–21.85)	0–11' Paint (21.85–22.07)	0–11' Paint (22.07–22.44)	0–11' Paint (22.61–22.84)	0–11' Paint (23.24–23.47)	0–11' Paint (23.71–23.77)	4'–15' Painted AC (23.77–24.02)
	Median Barriers:												(10'–38' Grass (Raised)) 0 (24.02–24.04)
	Shoulder: Width and Type		0	0	0	0	0	0	0	0	0	0	(10'–38' Grass (Flush)) 22' AC
	Pavement: Width and Type		12' AC	11' AC (20.87) 22' AC	22' AC	22' AC	22' AC	22' AC	22' AC	22' AC	22' AC	22' AC	(10'–38' Grass (Raised)) *6'–8' AC
	Shoulder: Width and Type * (Combination Shldr/Bike Route from 6.83mi. to 20.23mi., 20.80mi. to 31.20mi.)		8'–10' AC (20.23)	8'–10' AC (20.55–20.87) *6'–8' AC (20.90)	*6'–8' AC	*6'–8' AC	*6'–8' AC	*6'–8' AC	*6'–8' AC	*6'–8' AC	*6'–8' AC	*6'–8' AC	
Number of Traffic Lanes			2–12'	1–11' 1–11' .72 2–11' (20.87)	4–11' (21.38)	1–10', 1–11' 2–11' (21.78)	4–11'			4–11'			
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)								11' (L) T.L. (22.14)	11' T.L. (22.44)	11' T.L. (22.82)	1–11' (L) T.L. (23.31) 1–11' Accel. Ln. (23.45)	11' (R) T.L. (23.86)	11' T.L.s (24.52)
(Right Side)								11' (L) T.L. (22.14)	11' T.L. (22.44)	11' T.L. (22.82)		2 (L) T.L.s @ 11' ea (23.89)	
Frontage Road: No. of Lanes, and Width (Right and Left)				4'–6' AC Bikeway (L) & (R) (20.78)									
Sidewalk: Width and Type (Right and Left)													
Curb and/or Gutter: Type (Right and Left)													4' Concrete Gutter (24.12–24.57)
Protective Devices: Type, Location and Number All Metal Rails on Metal Posts unless otherwise noted. B = Conc. Barrier		(Con. /CRM Retaining Wall) (20.04–20.79)	B (20.80–20.89)	B (21.09–21.39)	B (21.43–21.89)	B (21.89–22.11)	B (22.15–22.38)	(Conc. Retaining Wall) (22.38–22.44)	B (22.49–22.81)	B (22.82–23.07)	B (23.10–23.27)	B (23.30–23.44)	4' Concrete Gutter (23.49–24.10)
Illumination: Type, Location and Number			2 250W HPS (20.78)										28 250W HPS @ Intersections from 23.90mi. to 26.11mi.
Curves: Degree of Curvature (Right and Left)													
Superelevation (Range)													
Grades: % Grade, Positive or Negative		(20.35) +1 (20.61)		(21.60) +2 (21.98)		(22.35) –1 (22.78)		(22.87) –1 (23.12)					(24.67) +2
Vertical Curve: Crest or Sag, Curve Limits													
Area and Development:		Small Urban											
Terrain: 1–Flat, 2–Rolling, 3–Mountainous		Flat											
Speed: 1–Design, 2–Posted		35 MPH (2) (20.44)				40 MPH (2) (20.48)							
Intersection Control Devices: Type, Location and Cycle Timing		(20.25) 3 Phase	3 Phase (20.78)	4 Phase (20.93)	3 Phase (21.06)	3 Phase (21.31)	3 Phase (21.59)	3 Phase (21.75)	3 Phase (22.18)	3 Phase (22.76)	Traffic Lights		(23.89)
Traffic Stations (Current Year)			B74 0030 01969	B74 0030 02072		B74 0030 02093				B74 0030 02226			B74 0030 02389
HPMS Sections – AADT 2009			24,755	26,270		36,274				43,600			30,400
HPMS Sections – AADT 2008			24,336	25,826 (20.87)		35,661				39,100			33,975
HPMS Sections – AADT 2007			24,745	26,260 (32,260) (20.72)		34,745			22.26	40,905	41,915	23.89	34,545
DOD Sections													
Census Tracts													
Functional Classification		Minor Arterial (4)											
National Highway System (NHS)		NHS diverted to bypass @ 19.68 mi. (Proposed Lahaina Bypass is all NHS)											
Previous Projects: Project No., Date and Limits													
		30BC–01–87M (R) 1987	30BC–02–86 Improvements, 1987	F–30(1) 1957	30AB–02–87 Widen, 1989	30AB–01–86M 1986	30AB–02–85 Shldr. & Guardrails 1985	30AB–01–78M (R) 1978	F–30–1(1) 1956	30AB–01–79M 1979	0 + 86.12	0 + 00	30AB–01–82 Shldr. & Guardrails 1982
		30AB–02–85 Shldr. & Guardrails 1985	30AB–01–78M (R) 1978	30AB–02–85 Traffic Signal 1985	30B–01–85	30AB–01–78M (R) 1978	S–0300(1) 1958	30A–01–96M (R) 1997	30AB–02–85 1985	30AC–01–87M & 30A–01–87,1987	30AB–02–85 Shldr./Guardrails 1985		

SCALE: (In Miles) 4" = 1 mile

Date Released
Aug 2003, D.B.

Revised	
Aug 04	*D.B.*
Mar. 05	*D.B.*
Nov. 06	*D.B.*
Mar. 09	*D.B.*
Feb. 11	*D.B.*

ROAD INVENTORY

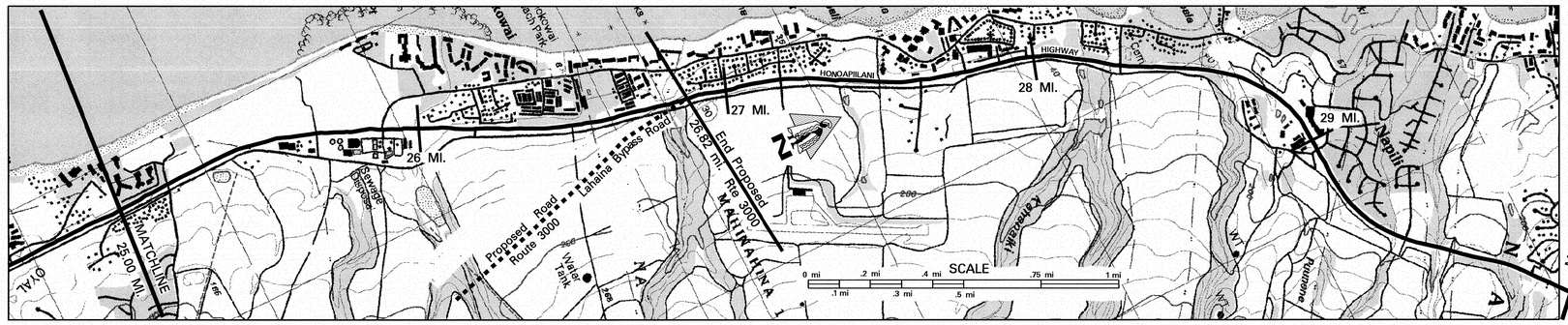
MAUI RTE 30
HONOAPIILANI HWY

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: 41.67 miles
a. Survey Length: 41.67 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

30 A (13.59 MI.)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Tee Beam HS 20-44 1926,1967,1999 | 50′ | 68′ (25.99)
- Prestressed I-Beam HS-20-44 1981 | 74′ | 47′ (28.18)

Vertical Clearance
Horizontal Clearance

Structure Over Road

Vertical Clearance
Horizontal Clearance

Right of Way Width (min.–max.) if varies
- 80′–190′ (25.78) | 150′ (27.66) | 75′ (28.17) | 45′–190′ (28.74) | 90′ (29.01) | 140′–210′ (29.50) | 230′–320′ (29.72) | 300′–400′

Available Right of Way Width (Needs Study)
- Resedential/ Recreation (25.22) Clear – Canefield 15′ from E.P. (28.10) | Residential

Right of Way Fence: Type – Right and Left
- Chain Link (25.22–25.86) (25.46–27.40) (27.40–28.23) (28.43–28.92)

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
- 182 + 00 (25.82) | 159 + 55 (28.60) | 191 + 65 (29.21)
- HWY-M-07-07M, Marking and Striping, 2008
- 30A-01-07, Resurf., 2008

Project No., Type of Construction, and Year Constructed
- STP-030-1(31) Resurf & Widen 1999 (25.12)
- STP-030-1(23), R, 1996 (27.70)
- 30A-01-97M, R, 1998

Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET 5. (25.00 mi.)

Kai Ala Dr. (25.16 mi.) | Halewai Dr. (25.63 mi.) | Lower Honoapiilani Rd. (25.89 mi.) | Honokowai Br. Sta. C12D 25.99 mi. | End Divided Hwy (26.03 mi.) | Cane Haul Rd. (26.08 mi.) | Road (26.18 mi.) | ECB (L) (26.50 mi.) | End Proposed Rd. (Rte 3000) (26.61 mi.) | (Lahaina Bypass) (26.82 mi.) | Begin Divided Hwy (26.98 mi.) | ECB (27.02 mi.) | Akahele St. (27.15 mi.) | Culvert (27.18 mi.) | End Divided Hwy (27.31 mi.) | Begin Divided Hwy (27.51 mi.) | Ala Hoku Pl. (27.63 mi.) | Hoohui St. (27.78 mi.) | End Divided Hwy Ent. to Kahana Gateway (27.89 mi.) | Kahana Nui Rd. (27.97 mi.) | Kahana Kai Br. Sta. C12E 28.17 mi. (28.06 mi.) | Cane Haul Rd. (Hui Rd.) (28.17 mi.) | ECB (R) (28.29 mi.) | SHRP Station C12E (28.37 mi.) | Road (28.75 mi.) | Begin Divided Hwy (28.82 mi.) | Sta. C12F 29.03 mi. Napilihau St. (28.96 mi.) | End Divided Hwy (29.03 mi.) | Begin Divided Hwy (29.19 mi.) | Mahia St. & Tractor-Xing (29.28 mi.) | End Divided Hwy (29.44 mi.) | Street & Tractor-Xing (29.54 mi.) | Begin Divided Hwy & Rd. (29.59 mi.) | (29.86 mi.) | (29.94 mi.)

Puukolii Rd. (25.16 mi.)

HONOAPIILANI HIGHWAY

Akahele St. to Airport

CONTINUED ON SHEET 7. (30.00 mi.)

Divided Highway — Undivided

Shoulder: Width and Type — *(Combination Shldr./Bike Route to 31.20 mi.)
- *4′–6′ AC (25.87) | *8′–10′ AC (26.11) | *10′–12′ AC (28.06) | 4′–6′ Bike Route (29.10) | (8′ AC)* (29.97)

Pavement: Width and Type
- 22′ AC | 24′ AC | 12′ AC | 24′ AC | 12′ AC | 24′ AC | 12′ AC | 24′ AC | 12′ AC | 36′ AC | 12′ AC

Shoulder: Width and Type — *(Combination Shldr./Bike Route to 31.20 mi.)
- 0 | *8′–10′ AC (26.40) | *10′ AC | 0 | *10′ AC | 0 | *10′ AC (28.60) | 4′–6′ Bike Route | 0 | 10′ AC | 0 | 10′ AC | 0

Divided Highway

Median: Width and Type
- 0–15′ Painted AC | 10′ Painted AC | 12′ Painted AC | 10′ Painted AC | 12′ Painted AC | (12′ Painted AC)

Median Barriers:
- (28.08) (27.02) (27.31) (27.51) (27.97) (28.82) (29.19) (29.28) (29.54) (29.86)

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

Pavement: Width and Type
- 22′ AC | 12′ AC (26.07) | 12′ AC | 12′ AC | 12′ AC | 12′ AC | 12′ AC | 24′ AC (29.44) | 24′ AC

Shoulder: Width and Type — *(Combination Shldr./Bike Route to 31.20 mi.)
- *6′–8′ AC | *10′ AC | *10′ AC | 4′–6′ Bike Route (29.10) 10′ AC | *10′ AC | *10′ AC

Number of Traffic Lanes
- 4–11′ | 2–12′

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
- 2–11′ (26.07–26.12) | 1–12′ (25.98) | All 12′ T.L.s (27.10–27.28) | 1–12′ (28.76–28.80) | 1–12′ (29.44–29.50) | 1–12′, 1–12′ Truck Ln. (28.61–28.76)

(Right Side)
- 11′ T.L. (25.26–25.78) | 11′ T.L. (25.78–25.98) | 12′ T.L. (28.80–29.08) | 12′ Climbing Lanes (29.33–29.44)

Frontage Road: No. of Lanes, and Width (Right and Left)
- Frontage Road (R) 2-12′ with Bike Route (not Lane) (L) & (R) (25.79–26.03)

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left)
- 4′ Conc. G. (25.51–25.79) | 4′ Conc. Gutter (26.03–26.98) | 4′ Conc. Gutter (27.30–27.87) | 4′–6′ Conc. Gutter (27.87–28.59) | 4′ Conc. Gutter (28.59–28.76) | 4′ C. G. (28.76–28.81) | 4′ Conc. Gutter (28.83–29.06) | 4′ Conc. Gutter (29.06–29.73) | 4′ C. G. (29.73–29.88)

Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless otherwise noted. B – Conc. Barrier
- 19 (28.81–28.99) | .17 (28.99–29.01) | .33 (29.01–29.09) | 19 (29.09–29.28) | 4′–6′ Conc. Gutter (29.28–29.50) | 4′ Conc. Gutter (29.50–29.65)

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative
- +2 (25.40)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
- Small Urban

Terrain: 1–Flat, 2–Rolling, 3–Mountainous
- Flat (25.07–26.12) | Rolling (27.83–29.01)

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

Intersection Control Devices: Type, Location and Cycle Timing
- 3 Phase (25.16) | 3 Phase (25.63) | 3 Phase (25.89) | 4 Phase (27.18) | 3 Phase (29.01)

Traffic Stations (Current Year)
- B74 0030 02389: 30,400 | B74 0030 02516: 27,300 / 31,191 / 31,715 (25.16–25.88) | B74 0030 02589: 20,208 / 19,866 (25.89–26.08) | B74 0030 02609: 19,602 / 19,271 / 20,200 (25.82–27.82) | B74 0030 02682: 11,600 / 14,703 / 14,950 (27.82–29.03) | B74 0030 02903: 8,489 / 8,345 / 8,485 (29.03–29.44) | B74 0030 02944: 8,489 / 8,345 / 8,485 (29.44–29.88)

HPMS Sections – AADT 2009
HPMS Sections – AADT 2008
HPMS Sections – AADT 2007
DOD Sections
Census Tracts

Functional Classification
- Minor Arterial (4) | Major Collector (5) (29.03)

National Highway System (NHS)
- NHS diverted to bypass (Proposed Lahaina Bypass is all NHS). (26.64) | Not On NHS (0)

Previous Projects: Project No., Date and Limits
- 30A-01-96M (R) 1997 (25.64)
- 30AC-01-87M & 30A-01-87, 1987 (25.69)
- 30AB-01-78M Resurf 1978 (25.79)
- S-0300(1) 1958 (25.73)
- STP-030-1(23) Resurf 1996 (27.70)
- RF-030-1(7) New Construction, 1977 (27.74)
- F-030-1(13) New Construction, 1981 (29.01)
- F-030-1(8) New Construction 1984

SCALE: (In Miles) 4" = 1 mile

Date Released
Aug 2003, D.B.

Revised	
Aug 04	D.B.
Mar. 05	D.B.
Nov. 06	D.B.
Mar. 09	D.B.
Feb. 11	D.B.

ROAD INVENTORY

MAUI RTE 30
HONOAPIILANI 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

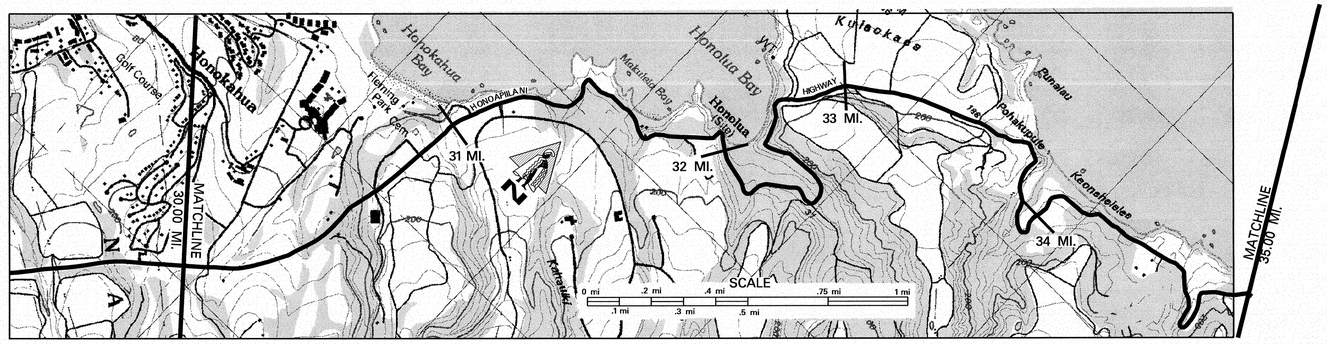
Total Route Length: 41.67 miles

a. Survey Length: 41.67 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 4" = 1 mile

30 | 31 | 32 | 33 | 34 | 35

Maintenance Control Sections : Length and Description

30 A (13.59 MI.)

Structure Carrying Road

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

Prestressed I–Beam HS–20–44 1986 | 604′ | 52′

S.S. Conc. Slab H–10 1924 | 24′ | 17′

Vertical Clearance 30.55 | 32.40

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies (300′–400′) 30.05 | 40′

Available Right of Way Width (Needs Study) Residential 31.19 | Chain Link 31.69 31.61 31.78 31.73 | Heavy Brush, Trees & Rocks 33.01 | 1000′ Clear Pineapple Fields 15′ form E.P. 33.50 | Heavy Brush & Rock 34.97 34.47 34.43 | Wire on Wood

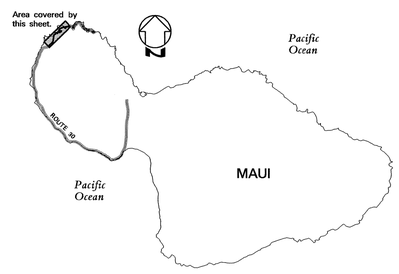
Right of Way Fence: Type – Right and Left

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

Project No., Type of Construction, and Year Constructed 30A–01–97M (Resurf.) 1998 | 31.19 | 30A–01–91M (R) 1992



Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET 6.

30.00 mi.

Kapalua Village Golf Courses | End Divided Hwy | Honokahua Strm. Br. | Beg Divided Hwy & Culvert | Access Rd "A" | Sta. C12G 31.05 mi. Access to Lower Honoapiilani Hwy | Plantation Estates Dr. | End Divided Hwy | Culvert | Lookout (L) | Honolua Pl. | Sta. C12C 31.93 mi. Lookout Access Rds. | Honolua Br. | Pineapple Field Rd. | Shooting Range | Dirt Road | Culvert | Pullout | Pullout | Culvert

HONOAPIILANI — 31 MP — HIGHWAY — 55 MP

30.07 mi. | 30.18 mi. | 30.57 mi. | 30.69 mi. | 30.84 mi. | 30.93 mi. | 31.05 mi. | 31.14 mi. | 31.21 mi. | 31.34 mi. | 31.66 mi. | 31.84 mi. | 31.92 mi. | 31.95 mi. | 32.41 mi. | 32.52 mi. | 33.17 mi. | 33.39 mi. | 33.52 mi. | 33.70 mi. | 33.94 mi. | 34.27 mi. | 34.34 mi. | 34.52 mi. | 34.76 mi.

CONTINUED ON SHEET 8.
35.00 mi.

SCALE: (In Miles) 4" = 1 mile

30 | 31 | 32 | 33 | 34 | 35

Divided Highway — Undivided

Shoulder: Width and Type *(Combination Shldr./Bike Route to 31.20 mi. – see arrows)
(24′ AC) 30.07 | *8′ AC *(8′ PCC) | *8′ AC | *10′ AC | 2′ AC 32.60 | 4′ AC 33.28 | 2′ AC/4′ Grs 33.59 | 2′ AC | 2′ AC/4′ Grs 34.33 | 34.54 | 2′ AC

Pavement: Width and Type
12′ AC 30.18 | 36′ AC 30.57 | 36′ PCC 30.69 | 36′ AC 30.84 | 24′ AC 30.93 | 12′ AC 31.05 | 31.21 | 20′ AC

Shoulder: Width and Type *(Combination Shldr./Bike Route to 31.20 mi. – see arrows)
0 | *10′ AC *(8′ PCC) | *8′ AC | 0 | (8′ AC) | 2′ AC

Divided Highway

Median: Width and Type
12′ Painted AC 30.18 | 30.93 | 12′ Painted AC 31.05 31.21

Median Barriers:

Shoulder: Width and Type
0 | 0

Pavement: Width and Type
(24′ AC) 30.07 | 12′ AC 30.18 | *10′ AC 30.57 | 12′ AC | *8′ AC

Shoulder: Width and Type *(Combination Shldr./Bike Route to 31.20 mi. – see arrows)

Number of Traffic Lanes
(1–12′) (1–12′, 1–12′ T.L.) | 1–12′, 1–12′ Truck Lane | 1–12′ 12′ Climbing Lanes 30.84 | 2–12′ 31.21 | 2–10′

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
4 12′ T.L. 30.84 | 30.88 | 10′ T.Ls 31.05 31.16

(Right Side)
30.05 30.07 12′ T.L. | 30.84 30.88 8′ T.L. | 10′ T.L. | 30.95 31.05 12′ T.L.

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

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left)
4′ Conc. Gutter 30.07 30.09 | AC Curb 30.56 | Curb 30.80 30.92 31.07 31.22

Protective Devices: Type, Location and Number All Guardrails Metal Rails on Metal Posts except where otherwise noted. B = Conc. Barrier
30.33 | 30.46 47 B 59 | B 30.31 30.41 30.46 30.57 30.59 | 30.78 30.87 | 32.21 32.25 32.30 | 32.79 | 35.07 35.18 | 35.55 | 33.67 33.69 | 33.82 33.92 | 34.03 34.06 34.25 | 34.44 | 34.52 | 34.62 34.61 | 34.63 34.67 34.73 | 34.81 | 34.90

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban | 30.82 | Rural

Terrain: 1–Flat, 2–Rolling, 3–Mountainous Rolling 30.89 31.22 | Mountainous | 32.83 Flat Rolling 33.49 | Mountainous

Speed: 1–Design, 2–Posted 45 MPH (2) | 45 MPH (2) 30 MPH (2) 35 MPH (2) 25 MPH (2) 31.15 | 25 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing 30.80 30.96

Traffic Stations (Current Year) (B74 0030 02944) B74 0030 03005 | B74 0030 03082

HPMS Sections – AADT 2009 (8,489) 3,600 | 1,600

HPMS Sections – AADT 2008 (8,345) 8,345 | 1,790

HPMS Sections – AADT 2007 (8,485) 1,720 | 1,820

DOD Sections 30.05 | 30.82

Census Tracts

Functional Classification Major Collector (5)

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

Previous Projects: Project No., Date and Limits
(F–030–1(8) 1984 New Construction) 30.05 | F–030–1(18) 1986 New Construction | 31.19 | A 300–01–66 (R) 1963

SCALE: (In Miles) 4" = 1 mile

30 | 31 | 32 | 33 | 34 | 35

Date Released
Aug 2003, D.B.

Revised	
Aug 04	D.B.
Mar. 05	D.B.
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Mar. 09	D.B.
Dec. 09	D.B.
Feb. 11	D.B.

ROAD INVENTORY

MAUI RTE 30
HONOAPIILANI HWY – KAHEKILI 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: 41.67 miles

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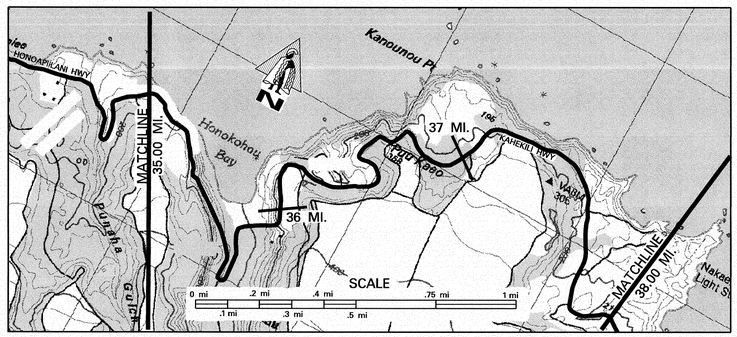
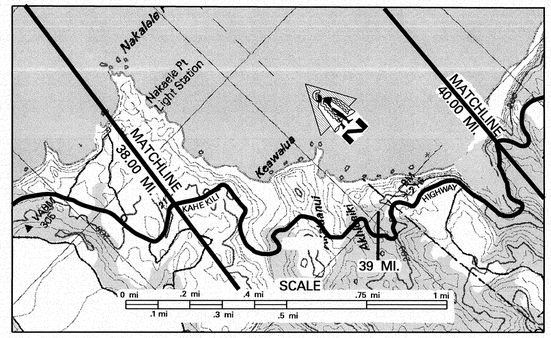




SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

30 A (13.59 MI.) — Begin 30 A at the West End of Honokohau Bridge 35.87

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Concrete Girder, 1924 (1966) HS–20 — 76' — 35.87 — 26'
- Timber Stringer, 1924 H–10 — 22' — 38.46 — 13'

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study)

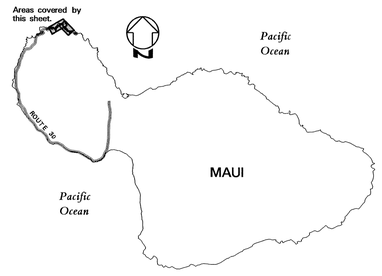
Right of Way Fence: Type – Right and Left: Chain on Wood 35.88 – 35.98; Wire on Wood 37.47 – 38.15

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): 1905+00 — 35.89 — State

Project No., Type of Construction, and Year Constructed: 30A–01–07M, Repairs and Maintenance, 2008

Project No., Type of Construction, and Year Constructed: 30A–01–91M (R) 1992 — 35.87 — 340D–01–93M (R) 1994 — 37.25 — 30A–01–95M (Resurface) 1996



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET 7. 35.00 mi.

HONOAPIILANI HWY — KAHEKILI HIGHWAY

Honokohau Valley Rd. 35.45 mi. — Honokohau Br. 35.68 mi. — Road 35.88 mi. — Culvert 36.22 mi. — Culvert 36.52 mi. — Cattle Guard 37.28 mi. — Nakalele Point Light Station 37.52 mi. — Culvert 37.56 mi. — Culvert 37.92 mi. — Bridge (Anakeluahine Stream) 38.36 mi. — Culvert 38.47 mi. — Cattle Guard & Kahakuloa Management Area Sign 39.04 mi. — Waiiuku – Lahaina District Boundary 39.16 mi. — Culvert 39.25 mi. — Culvert 39.64 mi.

36 MP — 1904+25 — 37 MP — 38 MP — 39 MP

CONTINUED ON SHEET 9. 40.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided

Shoulder: Width and Type: 2' AC — 37.43 — 8'–10' Dirt — 38.10 — 2' AC — 39.03 — 2' AC/6' Grav. — 39.35 — 2' AC

Pavement: Width and Type: 20' AC — 35.87 — 18'–20' AC — 37.25 — 20' AC

Shoulder: Width and Type: 2' AC — 37.57 — 2' AC/6' Dirt — 38.10 — 2' AC

Divided Highway

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes: 2–10' — 35.87 — 2–(9'–10') — 37.25 — 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): AC Curb 35.21 – 35.71; 3'–5' AC Gutter 35.65 – 36.03; 3'–5' AC Gutters 38.24 – 38.36

Protective Devices: Type, Location and Number — All Guardrails Metal Rails on Metal Posts except where otherwise noted. B = Conc. Barrier

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative: 36.78 – –7 – 36.90; 38.15 – –10 – 38.36; 39.41 – –9 – 39.57; 39.65 – +8 – 39.85; 39.90 – –8 – 39.96

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural

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

Speed: 1–Design, 2–Posted: 25 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B74 0030 03082 — 35.87 — B74 0030 03588

HPMS Sections – AADT 2009: 1,600 — 1,821

HPMS Sections – AADT 2008: 1,790 — 1,790

HPMS Sections – AADT 2007: 35.88 — 1,820

DOD Sections

Census Tracts

Functional Classification: Major Collector (5)

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

Previous Projects: Project No., Date and Limits

35.87 — 340D–01–93M (R) 1994 — 39.73

A 300–01–66 (R) 1968 — 35.57 — 35.87 — 330C–03–70 1970 — 39.31 — 340A–02–72, 1976

County

SCALE: (In Miles) 4" = 1 mile

Date Released
Aug 2003, D.B.

Revised	
Aug 04	D.B.
Mar. 05	D.B.
Nov. 06	D.B.
Mar. 09	D.B.
Dec. 09	D.B.
Feb. 11	D.B.

ROAD INVENTORY

MAUI RTE 30
KAHEKILI 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

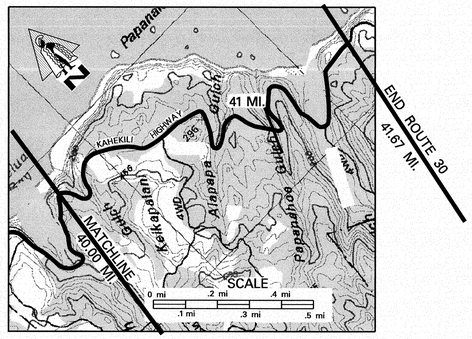
Total Route Length: 41.67 miles

a. Survey Length: 41.67 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 4" = 1 mile

40 | 41 | 42 | 43 | 44 | 45

Maintenance Control Sections : Length and Description

Structure Carrying Road

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

Timber Stringer
1927 H–10

Vertical Clearance

25′ (41.31)

Horizontal Clearance

18′

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

40′

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

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

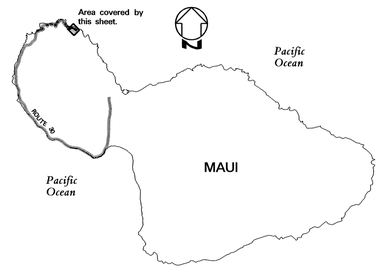
State (2211+50, 41.67)

Project No., Type of Construction, and Year Constructed

30A–01–07M, Repairs and Maintenance, 2008

Project No., Type of Construction, and Year Constructed

30A–01–95M (Resurface) 1996



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET 8.

40.00 mi.

Culvert 40.19 mi.

Culvert 40.61 mi.

Bridge (Papanahoa Strm.) 41.33 mi. 41.32 mi.

KAHEKILI HIGHWAY

41 MP (40.36 mi.)

42 MP (2193+18)

END RTE 30 ON KAHEKILI HIGHWAY
0.35 MI. EAST OF PAPANAHOA STR.
BRIDGE @ END OF STATE HWY SIGNS.
41.67 mi.

SCALE: (In Miles) 4" = 1 mile

40 | 41 | 42 | 43 | 44 | 45

Divided Highway – Undivided

Shoulder: Width and Type

2′ AC

Pavement: Width and Type

20′ AC

Shoulder: Width and Type

2′ AC

Divided Highway

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

2–10′

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left) All 3′–5′ AC Gutters

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

40.24, 40.01, 40.53, 40.55, 40.86, 40.90, 40.96, 41.00, 41.18, 41.20, 41.34, 41.43, 41.13, 41.15

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

40.53, −9, 40.62, 40.81, −8, 40.89, 41.17, −12, 41.39

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

Rural

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

Mountainous

Speed: 1–Design, 2–Posted

25 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

B47 0030 03588

HPMS Sections – AADT 2009

1,821

HPMS Sections – AADT 2008

1,790 (41.67)

HPMS Sections – AADT 2007

1,820

DOD Sections

Census Tracts

Functional Classification

Major Collector (5)

National Highway System (NHS)

Not on NHS (0)

Previous Projects: Project No., Date and Limits

340A–02–72, 1976
County

SCALE: (In Miles) 4" = 1 mile

40 | 41 | 42 | 43 | 44 | 45

Date Released
Aug 2003, D.B.

Revised	
Aug 04	*D.B.*
Mar. 05	*D.B.*
Nov. 06	*D.B.*
Mar. 09	*D.B.*
Dec. 09	*D.B.*
Feb. 11	*D.B.*

ROAD INVENTORY

MAUI RTE 31
PIILANI 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

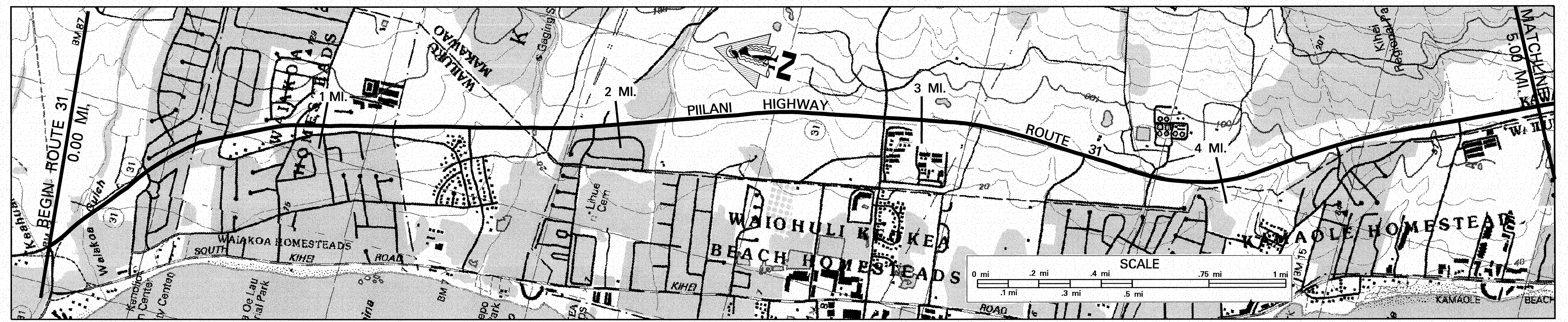
Total Route Length: 12.01 miles

a. Survey Length: 7.15 miles

b. Proposed Length: 4.86 miles

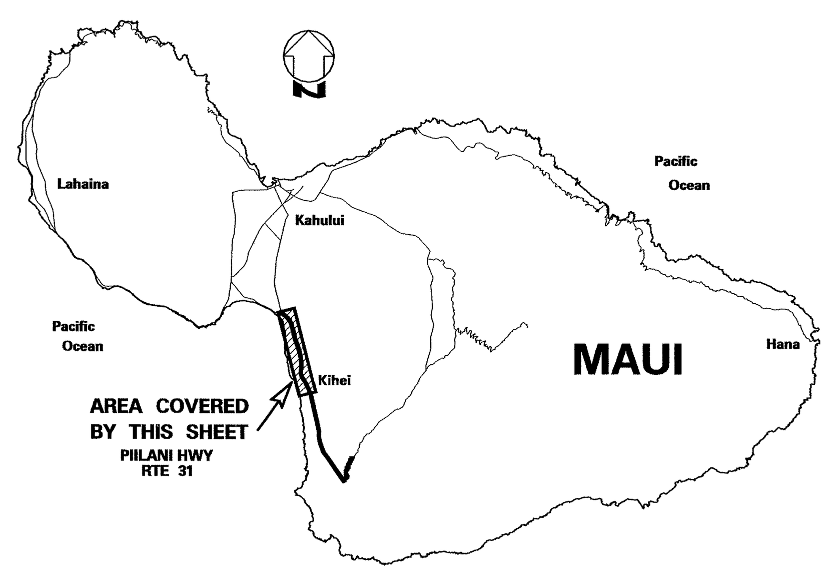
c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 4" = 1 mile — 0 | 1 | 2 | 3 | 4 | 5

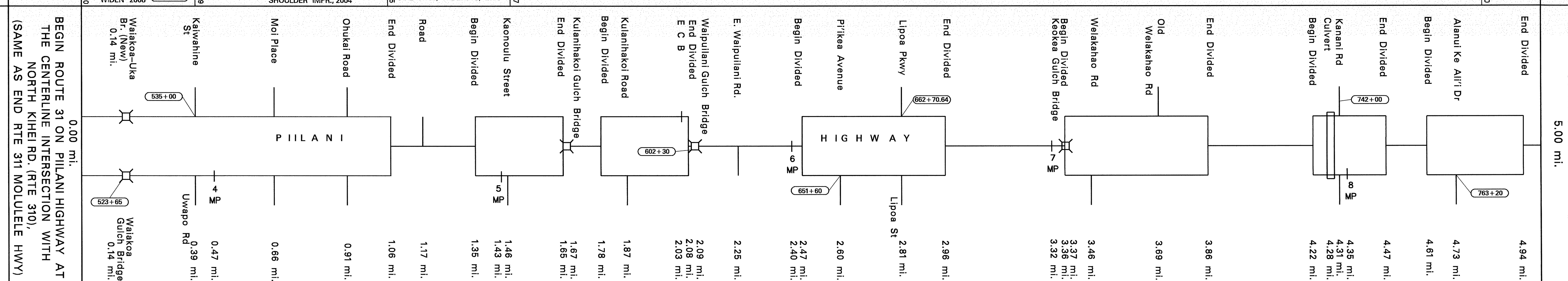
Item	Data
Maintenance Control Sections : Length and Description	
Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed	PRE-STRESSED CONC. GIRDER; N.B. 162' – 8", 2008; S.B. 0.14 150' ← PRESTRESSED I-BEAM 1981 → 1.66 150'; 2.09 130' ← PRESTRESSED I-BEAM 1981 → 3.36 49'
Vertical Clearance	
Horizontal Clearance	N.B. 67'-6"; S.B. 48'; 48'; 48'; 48'
Structure Over Road — Vertical Clearance	
Horizontal Clearance	
Right of Way Width (min.–max.) if varies	270' – 320' (to 0.39); 105' – 225'
Available Right of Way Width (Needs Study)	0.14; 0.20; 0.39; 0.91
Right of Way Fence: Type – Right and Left	WIRE FENCE; WIRE FENCE; CHAINLINK (0.39–0.91; 0.66–1.10)
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)	(533+00) S T A T E (660+75)
Project No., Type of Construction, and Year Constructed	(516+34.12) 0.35; (570+00); (592+00) 31A–01–07M, RESURFACE, 2009; 2.77 ARR–031–1(11), PREVENTIVE MAINTENANCE, 2010; (31AB–01–02, WIDENING, 2003)
Project No., Type of Construction, and Year Constructed	0.00 NH–A311(4), WIDEN 2008 (537+00) 0.39; STP–0900(58), GUARDRAIL & SHOULDER IMPR., 2004; 1.05 31AB–01–02, WIDENING, 2003; 1.47 STP–0900(58), GUARDRAIL & SHOULDER IMPR., 2004; (768+00) 4.80



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage



CONTINUE ON SHEET #2. 5.00 mi.

SCALE: (In Miles) 4" = 1 mile — 0 | 1 | 2 | 3 | 4 | 5

Item	Data
Undivided — Shoulder: Width and Type (COMBINATION SHOULDER AND BIKE ROUTE FROM 0.00 – 5.93 MILE)	8' AC 0.14; 10' AC 0.21; 8' AC 0.39; 6' – 8' A C
Pavement: Width and Type	24' AC 0.30; 22' AC; 44' AC; 22' AC; 44' AC; 22' AC; 44' AC; 22' AC; 44' AC; 22' AC; 44' AC; 22' AC; 44' AC; 22' AC; 44' AC; 22' AC; 44' AC
Shoulder: Width and Type (COMBINATION SHOULDER AND BIKE ROUTE FROM 0.00 – 5.93 MILE)	4' AC 0.14; 10' AC 0.19; 4' AC 0.28; 0'; 6' – 8' AC; 0'; 6'-8' AC; 0'; 6' – 8' AC; 0'; 6' – 8' AC; 0'; 6' – 8' AC; 0'; 6'-8' AC; 0'; (6'-8' AC)
Divided Highway — Median: Width and Type	10'–70' FLUSH GRASS; GUARDRAILS 0.13; 0.21; 0'–15' PAINT 0.28; 0.39; 0' – 11' PAINT 1.06; 1.35 0' – 12' Painted AC 1.65; 1.78 0' – 12' Painted AC 2.08; 2.47 0' – 12' Painted AC 2.96; 3.37 0' – 12' Painted AC 3.86; 4.22 0' – 12' Painted AC 4.47; 4.61 0' – 12' Painted AC 4.94
Shoulder: Width and Type	4' AC 0.14; 10' AC 0.19; 4' AC 0.28; 0'; 0'; 0'; 0'; 0'; 0'; 0'
Pavement: Width and Type	24' AC 0.30; 22' AC; 22' AC; 22' AC; 22' AC; 22' AC; 22' AC; 22' AC
Shoulder: Width and Type (COMBINATION SHOULDER AND BIKE ROUTE FROM 0.00 – 5.93 MILE)	8' AC 0.14; 10' AC 0.19; 8' AC 0.32; 6' AC 0.39; 6' – 8' AC; 6' – 8' AC; 6' – 8' AC; 6' – 8' AC; 6' – 8' AC; 6' – 8' AC; 6' – 8' AC
Number of Traffic Lanes	4–12' 0.30; 0.39; 1.17; 1.24; 4–11'; 2.77; 2.81; 2.94
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	(1–12'); (2–12'); 0.07; 0.25; 0.37; 0.50; 0.66; 0.75; 0.79; 0.91; 1.01; 11' TLs; 1.41; 1.57 11' TLs; 1.82; 1.87; 1.99; 11' TLs 2.60; 2.74; 2.92; 3.41; 3.46; 3.58; 3.69; 4.24; 11'; 4.42; 11'; 4.85
(Right Side)	0.08 11' TLs; 0.27 1–11'; 1–11'; 0.34; 0.39; 0.42; 0.59; 0.99; 1.35; 11' TLs 1.46; 1.50; 1.77; 11' TL 1.87; 1.90; 2.14; 11' TL 2.25; 2.28; 2.47; 2.60; 2.64; 2.73; 2.76; 2.81; 2.87; 3.37; 3.46; 3.50; 3.59; 12 TLs; 3.79; 11' 4.31; 11'; 4.26; 4.60 11'; 4.73
Frontage Road: No. of Lanes, and Width (Right and Left)	10' AC shared–use path
Sidewalk: Width and Type (Right and Left)	0.39; 0.93; 2.99; 3.06; 3.64; 3.99
Curb and/or Gutter: Type (Right and Left)	0.13 CONCRETE GUTTER; CONCRETE GUTTER; CONCRETE GUTTER; CONCRETE GUTTER; CONCRETE GUTTER
Protective Devices: Type, Location and Number (ALL GUARDRAILS METAL ON METAL)	0.21; 0.30; 0.40; 0.47; 0.60; 0.66; 0.82; 0.91; 1.64; 1.71; 2.07; 2.14; 2.51; 2.68; 3.01; 3.11; 3.34; 3.38; 3.79; 4.01; 4.26; 4.30; 4.61; 4.65
Illumination: Type, Location and Number	
Curves: Degree of Curvature (Right and Left)	
Superelevation (Range)	
Grades: % Grade, Positive or Negative	
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	SMALL URBAN
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	0.11; 0.33; F L A T
Speed: 1–Design, 2–Posted	30 MPH (2); 30 MPH (2); 40 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	4 PHASE 0.39; 3 Phase 4.33
Traffic Stations (Current Year)	0.00 B74 0031 00000; B47 0031 00281
HPMS Sections – AADT 2009	32,400; 23,139
HPMS Sections – AADT 2008	28,113; 2.81; 22,748
HPMS Sections – AADT 2007	28,585; 2.83; 23,130
DOD Sections	
Census Tracts	
Functional Classification	PRINCIPAL ARTERIAL (3)
National Highway System (NHS)	ON NHS (1)
Previous Projects: Project No., Date and Limits	(513+20) 0.00 STP–0900(58), GUARDRAIL & SHOULDER IMPR., 2004 (570+00) 1.05; 31AB–01–02, WIDENING, 2003; 31AB–01–02, WIDENING, 2003; STP–031–1(8) RESURFACING 1996; 31B–01–94, 1994; TQF–RF–031–1(6) 1981; (735+00) 4.18 (HWY–M–05–04 IMPR. 2006); (750+50) 4.47 31AB–01–02, WIDENING, 2003; TQF–RF–031–1(6) 1981

SCALE: (In Miles) 4" = 1 mile — 0 | 1 | 2 | 3 | 4 | 5

Date Released	
Oct 2004	GN
Revised	
Nov. 06	D.B.
Mar. 08	D.B.
Jan. 09	D.B.
Dec. 09	D.B.
Feb. 11	D.B.

ROAD INVENTORY

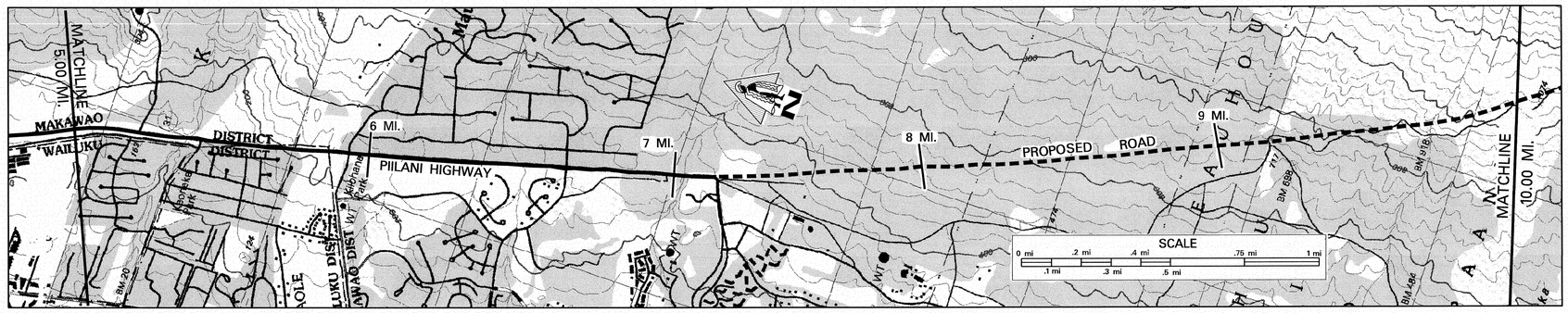
MAUI RTE 31
PIILANI HIGHWAY

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: 12.01 miles
a. Survey Length: 7.15 miles
b. Proposed Length: 4.86 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
- Vertical Clearance
- Horizontal Clearance

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: 105' – 225' (5.91) | 105' – 305'

Available Right of Way Width (Needs Study)

Right of Way Fence: Type – Right and Left: CHAINLINK (5.41–5.65) | CHAINLINK (5.92–7.12)

Control of Access: 1–None, 2–Partial, 3–Full: NONE (5.92–7.12)

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE (85+50, 5.93)

Project No., Type of Construction, and Year Constructed: ARR-031-1(11), PREVENTIVE MAINTANCE, 2010 (5.93)

Project No., Type of Construction, and Year Constructed (31AB-01-02, WIDENING, 2003): 790+00 (5.22) STP-0900(58), GUARDRAIL & SHLDR. IMP., 2004 (5.91) 84+90 HWY-M-01-06M, RESURF., 2007 150+00 (7.15)

Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP = Milepost Signage

Continued from Sheet # 1

PIILANI HIGHWAY (9 MP – 10 MP)

Keonekai Rd Culvert Begin Divided (5.30 mi.) | End Divided (5.32 mi.) | Begin Divided (5.36 mi.) | End Divided (5.41 mi.) | Mapu Place and Begin Divided (5.58 mi.) | End Divided (5.91 mi.) | E C B (R) (6.08 mi.) | Culvert Begin Divided (6.29 mi.) | Mikioi Pl (6.36 mi.) | End Divided (6.46 mi.) | Begin Divided (6.51 mi.) | Okolani Dr (6.64 mi.) | End Divided (6.87 mi.) | Begin Divided (7.02 mi.)

58+00 | Kiohana Dr | 122+90

Begin proposed on Piilani Highway at the centerline of Wailea Ike Drive 7.15 mi.

End Existing Route 31 at angle point with Wailea Iki Drive (7.15 miles)

Route 31 – PROPOSED ROAD = 4.86 Miles

NO TRAVELWAY

Continued on sheet # 3

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided

- Shoulder: Width and Type: 6'–8' AC | 10' AC
- Pavement: Width and Type: 44' AC | 22' AC | 44' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC
- Shoulder: Width and Type: 6'–8' AC | 0' | 6'–8' AC | 0' | 10' AC | 0' | 10' AC | 0'

Divided Highway

- Median: Width and Type / Median Barriers: 0'–12' Painted AC | 0'–14' Painted AC | 0'–14' Painted AC | 0'–25' Painted AC / Raised Curb, Flush AC
- Shoulder: Width and Type: 0' | 0' | 0' | 0'
- Pavement: Width and Type: 22' AC | 12' AC | 12' AC | 12' AC
- Shoulder: Width and Type: 6'–8' AC | 10' AC | 10' AC | 10' AC | 0'

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

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: SMALL URBAN | SMALL URBAN

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: FLAT (5.89–7.07)

Speed: 1–Design, 2–Posted: 40 MPH (2) | 45 MPH (2) / 45 MPH (1) / 35 MPH (2) (5.97–7.04) | 40 MPH (2) / 20 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B74 0031 00281 | B74 0031 00591 | B74 0031 00715 (PROPOSED) | B74 0031 00777 (PROPOSED)

HPMS Sections – AADT 2009: 23,139 | 16,166

HPMS Sections – AADT 2008: 22,748 (5.91) | 15,893 (7.15)

HPMS Sections – AADT 2007: 23,130 | 16,160 | (13,940) (7.09)

DOD Sections (7.77)

Census Tracts

Functional Classification: PRINCIPLE ARTERIAL (3) | PRINCIPLE ARTERIAL (3) (7.76) MAJOR COLLECTOR (5)

National Highway System (NHS): ON NHS (1) | ON NHS – UNBUILT

Previous Projects: Project No., Date and Limits

5.22 STP-0900(58), GUARDRAIL & SHLDR. IMP., 2004
31AB-01-02, WIDENING, 2003
STP-031-1(8), RESURFACING 1996 (5.94)
TQF-RF-031-1(6) 1981 (5.93) F-031-1(3) 1990

SCALE: (In Miles) 4" = 1 mile

Date Released
Oct 2004 GN

Revised	
Nov. 06	D.B.
Feb. 08	D.B.
Jan. 09	D.B.
Dec. 09	D.B.
Feb. 11	D.B.

ROAD INVENTORY

MAUI RTE 31
PIILANI 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

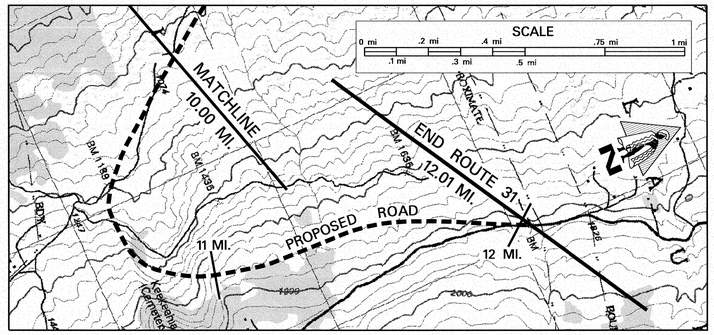
Total Route Length: 12.01 miles

a. Survey Length: 7.15 miles

b. Proposed Length: 4.86 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
- 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)

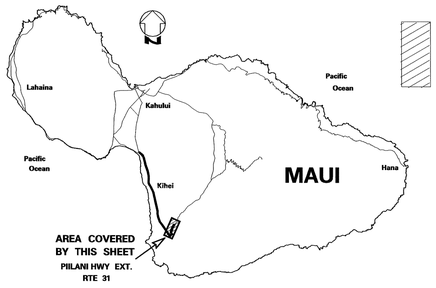
Right of Way Fence: Type – Right and Left

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

10.00 mi. Continued from sheet # 2

Route 31 – PROPOSED ROAD = 4.86 Mile

NO TRAVELWAY

End Route 31 on Proposed Road at the SouthWest edge of pavement of Kula Highway and Makena Road 12.01 mi.

END ROUTE DESCRIPTION 0.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway

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

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

Number of Traffic Lanes

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: SMALL URBAN

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

Speed: 1–Design, 2–Posted

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B74 0031 00777 (PROPOSED)

HPMS Sections – AADT 2009

HPMS Sections – AADT 2008

HPMS Sections – AADT 2007

DOD Sections

Census Tracts

Functional Classification: MAJOR COLLECTOR (5)

National Highway System (NHS): ON NHS – UNBUILT

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 4" = 1 mile

Date Released
Oct 2004 GN

Revised	
Nov. 06	D.B.
Feb. 11	D.B.

ROAD INVENTORY

MAUI RTE 32
MAIN ST. – KAAHUMANU AVE.

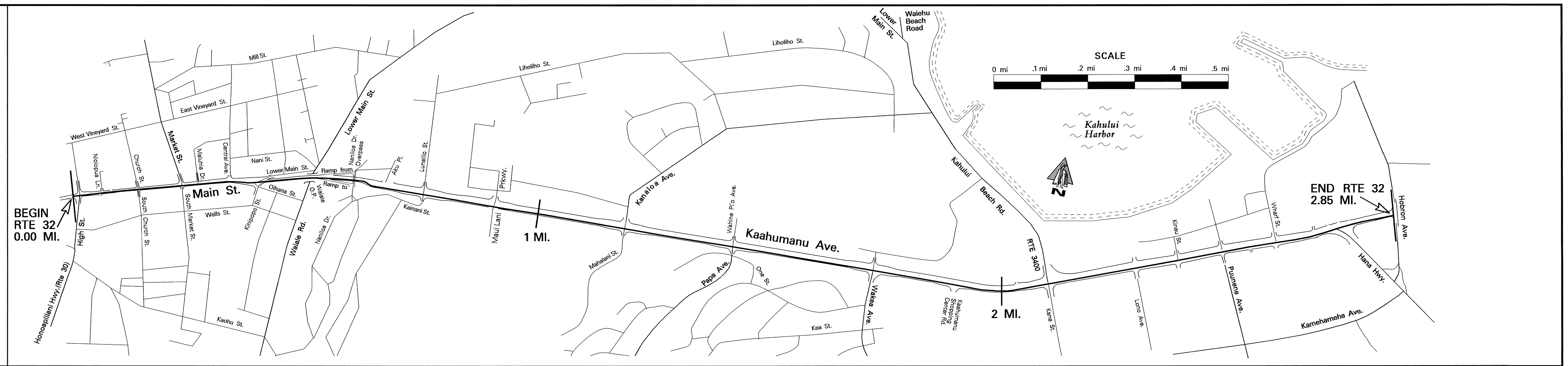
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

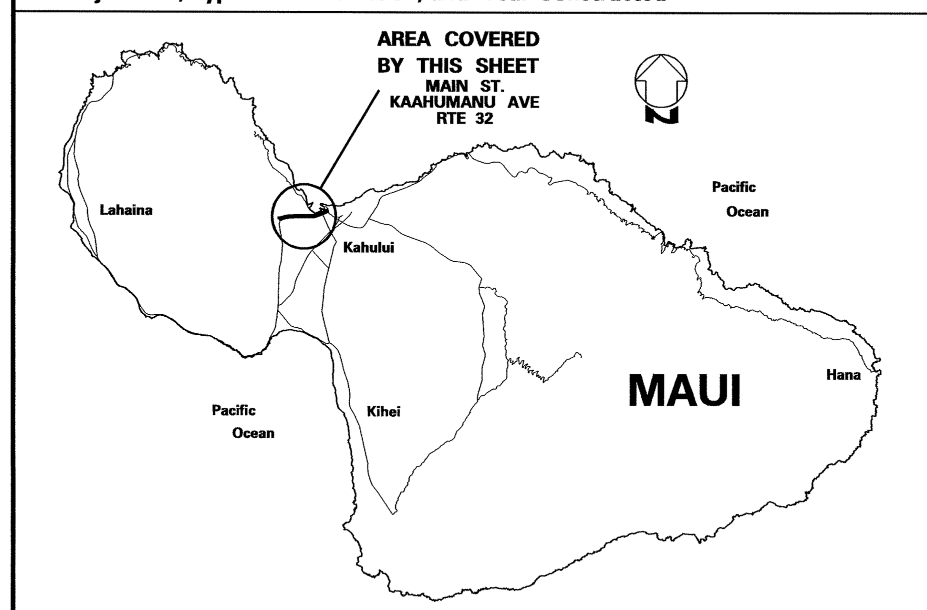
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Designated Route Length:	2.85	MILES (a+b)
a. Existing Length:	2.85	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	2.85	MILES (a+b, less c)
a. Existing Length:	2.85	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 ______

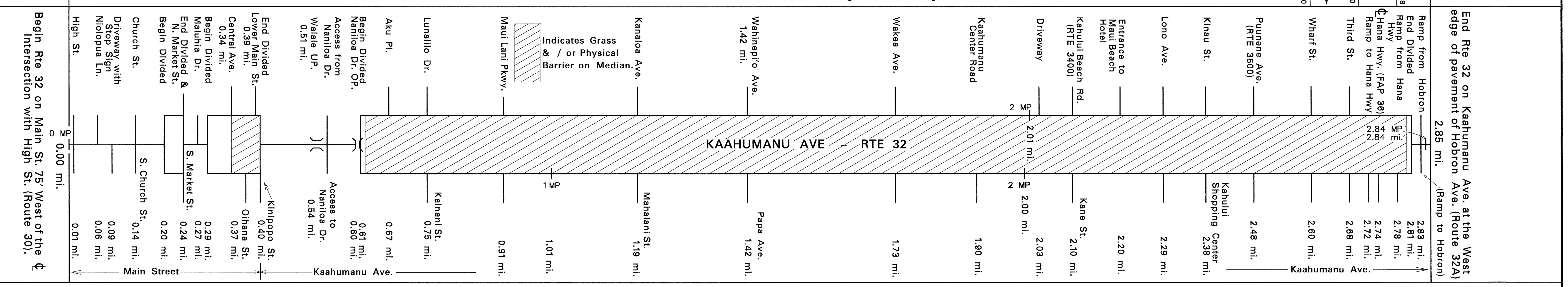


Scale: 1″=0.15 mile	0 – 1 – 2 – 3
Maintenance Control Sections : Length and Description	0.01 Begin 32 A at the ℄ of High St. / 32 A (2.84 Mi.) / End 32 A on Kaahumanu Ave. at the ℄ Intersection with Hobron St.
Structure Carrying Road — Bridges (Over 20′): Length, Type, Capacity and Year Constructed	Steel Multistringer 1936 H15 79′ (0.51); Conc. Frame 1936 H15 (0.60)
Vertical Clearance	
Horizontal Clearance	34′
Structure Over Road — Vertical Clearance	14′ 10″
Horizontal Clearance	45′
Right of Way Width (min.–max.) if varies	50′ 0.60 115′ – 265′ 2.03 125′ – 160′ 2.22 100′ – 145′ 2.69 80′ – 100′
Available Right of Way Width (Needs Study)	Urban / Commercial 0.76 Bushes with Slight Cut Slope 1.75 Urban / Commercial
Right of Way Fence: Type – Right and Left	(Chain Link 50′ from Edge of Pavement) 0.88
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	STP–NH–0900(62), RESUFR., 2004 0.34 NH–032–1(8), Resurface, 2002 (36A–01–96M, (R), 1999)
Project No., Type of Construction, and Year Constructed	NH–STP–032–1(6), Traffic Signals & Widening, 2002 (HWY–M–04–97, 1998) 2.60 2.70 2.78 (HWY–M–04–97, 1998)



Road Diagram

* MP=Milepost Signage



Scale: 1″=0.15 mile	0 – 1 – 2 – 3
Undivided — Shoulder: Width and Type	0; (23′ AC) .26; .31; .36 8′–10′ AC .41; 0 .54; 4′ AC .65; 0 .76; 4′–6′ AC; 2.14 0 2.83; (4′ AC)
Undivided — Pavement: Width and Type	26′ AC 0.09 23′ AC; 12′ AC; 26′ AC; 12′ AC; (24′ AC) 0.45; 32′ AC; 1.18 24′ AC 1.40; 1.58 (2′ AC); 2.20 36′ AC 2.72 12′–22′ AC; (32′ AC)
Undivided — Shoulder: Width and Type	0; 0; 0; (14′ AC) 0; 0 0.52 4′–8′ AC; (0) 1′ AC 0.90; 0.92 0 1.02 1′ AC 1.07 0 1.16 (2′ AC) 0 (1′ AC) 1.41 0 1.46 2′ AC 1.50 0 1.56 (3′ AC) 0 1.70 1.71 0 1.76 2′ AC 1.80; 0; 0
Divided — Median: Width and Type	(0′–6′ Painted AC) 0.20; 0.24; 0.29 (0′–6′ Painted AC) 0.34; 0.40 (0′–12′ Painted AC with Rolled Curb); (0′–10′ Painted AC) 0.61; 0.62 Conc. Curb (Conc. Curb & Gutter) (Conc. Curb) 4′ – 24′ Grass (raised) Conc. Curb 1.31 (Conc. Curb) Conc. Curb; 1.88 Conc. Curb 2.29 4′–24′ Trees & Shrubs (Raised) 2.67 .68 4′–24′ Grs. (Raised) 2.81 2.83; (0′ – 4′ Painted AC)
Divided — Shoulder: Width and Type	0; 0; (0) 10′ AC 0.65 0 (3′ AC) 1.21 0 1.29 (3′ AC) 0 1.43 (3′ AC) 0 1.56 3′ AC 1.59 0 1.65 1.66 0 1.74 (3′ AC) 0 1.89 (2′ AC) 0 2.64 1′–5′ AC 2.69 0 2.78
Divided — Pavement: Width and Type	12′ AC; 12′ AC; 11′ AC 12′ AC 0.67 24′ AC 1.19 .20 36′ AC 1.31 1.35 1.45 (3′ AC) 24′ AC 1.75; 1.90 2.12 36′ AC 2.55 24′ AC 2.72 14′ AC 28′ AC
Divided — Shoulder: Width and Type	0 (1–11′) 0 0.37 3′ AC 0.45 0.55 4 – 10′ AC 4′–6′ AC 1.84 0 1.94 4′ AC 2.10 0 2.63 1′–3′ AC
Number of Traffic Lanes	1–15′ 1–11′ 1–12′ 1–12′ 1–14′ 0.31 2–12′ 2–11′ 1–10′, 1–11′ 1–11′ 2–12′ 1–12′ 0.75 0.79 0.82 0.91 0.96 4–12′ 1.19 2–12′ 3–12′ 1.35 1.42 1.54 4–12′ 1.73 1.77 2.10 2.13 2–12′ 3–12′ 2.20 6–12′ 2.55 3–12′ 2–12′ 1 –12′ to 22′ 1–14′ 2–14′ (1–18′) (1–14′)
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — PL= 8′ Parking Lane	11′ .01 .03 .09 10′ .21 .24 .26 .29 PL .34 10′ .45 12′ 10′ .83 10′ 10′ 12′ 1.02 2 (L) TLs 10′ 1.17 11′ 10′ 1.31 12′ 10′ 1.36 12′ 1.54 1.66 12′ 10′ 1.78 1.90 12′ 1.98 2.03 10′ 10′ 12′ .06 12′ .16 12′ 12′ 2.34 12′ 2.43 12′ 2.55 2.60 12′ 2.66 .69 .72 .78 .83
(Right Side) — PL= 8′ Parking Lane	11′ 11′ .30 11′ .34 .40 0.65 12′ .67 10′ 10′ .80 12′ 10′ 10′ 1.01 1.13 12′ 10′ 10′ 1.32 1.35 12′ 12′ 10′ .48 12′ 1.75 10′ 1.67 1.73 10′ 1.84 10′ 1.92 10′ .05 12′ 10′ 2.10 2.13 12′ 2.15 2.20 2.25 12′ 2.26 2.29 2.33 12′ 2.38 2.41 12′ 2.48 2.54 12′ 10′ 2–12′ Ⓡ TLs 2.83 14′
Frontage Road: No. of Lanes, and Width (Right and Left)	PL 0.02 0.19 PL 0.25 0.29 0.38 0.60 0.69 0.82 1.14 1.18 1.19 1.42 1.49 1.67 1.73 1.90 2.04 2.10 2.13 2.43 2.50 2.55 2.59 2.65 2.69 2.72 2.75 2.83 2.84
Sidewalk: Width and Type (Right and Left)	Conc. .39 .42 0.52 6′ Conc. SW; Conc. .35 AC Conc. 6′ Conc. SW 1.71 1.86 6′ Conc. SW; C. SW 6′ Conc. SW; Conc. SW
Curb and/or Gutter: Type (Right and Left) — 1=AC Curb	Stone Curb Conc. Curb 1 Stone Curb (Conc. Curb) Conc. Curb 0.74; Conc. Curb 1 .41 Stone Curb (Conc. Curb & Gutter) (Conc. Curb) 1.20 1.41 (Conc. Curb) 1.42 (Conc. Curb with Conc. Gutter Behind) Conc. Gutter (Conc. Curb) Conc. Curb 1′ Conc. Curb Conc. Curb (1′ Conc. Curb)
Protective Devices: Type, Location and Number	0.22 0.35 0.38 0.40 0.42 0.50 0.52 0.61 0.64 0.89 0.90 0.92 1.01 M/M 1.15 1.21 M/M 1.32 1.74 1.83 1.88 1.93 2.08 2.09 2.71 2.72 2.79 2.83 2.84
Illumination: Type, Location and Number	Mercury Vapor
Curves: Degree of Curvature (Right and Left)	
Superelevation (Range)	
Grades: % Grade, Positive or Negative	0.03 –4 0.32 1.09 –2 1.85
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	Small Urban
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Flat (1)
Speed: 1–Design, 2–Posted	20 MPH (2) 0.52 0.77 45 MPH (2) 1.95 1.96 30 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing — Ph.=Phase	3 Ph. 0.24 3 Ph. 0.34 3 Ph. 0.75 3 Ph. 0.91 4 Ph. 1.19 4 Ph. 1.42 4 Ph. 1.73 4 Ph. 1.90 3 Ph. 2.10 3 Ph. (B74 0032 00213) 2.29 3 Ph. 2.49 4 Ph. 2.60 3 Ph.
Traffic Stations (Current Year)	0.01 B74 0032 00000; B74 0032 00024; B74 0032 00040; B74 0032 00061; B74 0032 00119; B74 0032 00135; B74 0032 00220; B74 0032 00248; B74 0032 00260; B74 0032 00274
HPMS Sections – AADT 2009	10,800; 12,000; 23,200; 25,365; 34,459; 24,149; 55,777; 42,600; 32,838; 28,200; 3,400
HPMS Sections – AADT 2008	11,625; 17,088; 27,218 0.61; 24,936; 1.19 33,876; 23,741; 2.13 54,834; 43,313 2.48; 32,282; 32,283; 3,477 2.85
HPMS Sections – AADT 2007	11,820; 13,030 (17,375); 27,575; 27,675 0.62; 25,355; 34,445 1.35; 24,140; 55,755; 44,040; 32,825; 32,825 (32,825); 3,535
DOD Sections	0.24 0.37 0.40 0.52 1.18 1.41 2.10 2.20 2.49 2.60 2.72 2.74
Census Tracts	
Functional Classification	Principal Art. (Conn. Link) (3) 0.50 Principal Arterial (3)
National Highway System (NHS)	On NHS (1)
Previous Projects: Project No., Date and Limits	0.61 STP–0900(34), 1998 2.10 2.30 2.39 (32A–01–96, 1998)
	0.47 HWY–M–04–97, 1998 (R)
	HWY–M–02–91M (R) 1992 0.51 32A–01–89 (R) 1991 2.67 2.77 (32A–01–89M (R) 1991)
	32A–01–83M (R) 1983 0.64 27+26.98 DF–032–1(4) 1958 2.03 2.68 DANCR 1945
	County Phase II 0.33 WPGM13–H, 1936 0.54 WPGM13–I,1936 0.68 (F–032–(2), 1955) 2.16 11+00 F–032–1(1), 1957 2.68 –3+84.06 (DANC 8(1) 1944)
	100+75.81 3+85.21 38+60.33
Scale: 1″=0.15 mile	0 – 1 – 2 – 3

Date Released	
May 2001	
Revised	
Nov. 06	D.B.
Dec. 06	D.B.
Feb. 11	D.B.

ROAD INVENTORY
MAUI RTE 32A
HOBRON AVENUE

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

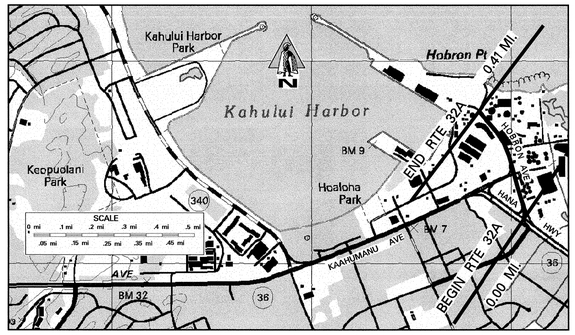
Total Route Length: 0.41 miles

a. Survey Length: 0.41 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 20″ = 1 mile

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

Maintenance Control Sections : Length and Description

Begin 32A same as begin route. | 32A (0.41 MI) | End 32A same as end route.

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′ | 0.22 | 50′

Available Right of Way Width (Needs Study): COMMERCIAL DISTRICT

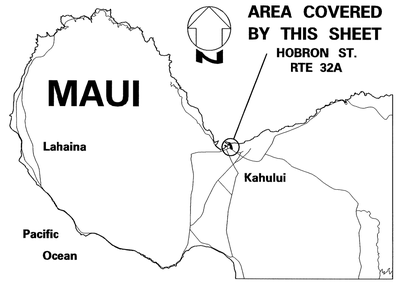
Right of Way Fence: Type – Right and Left: NONE

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): 5+26 | STATE | 0.17 | STATE PHASE II | (-)13+60

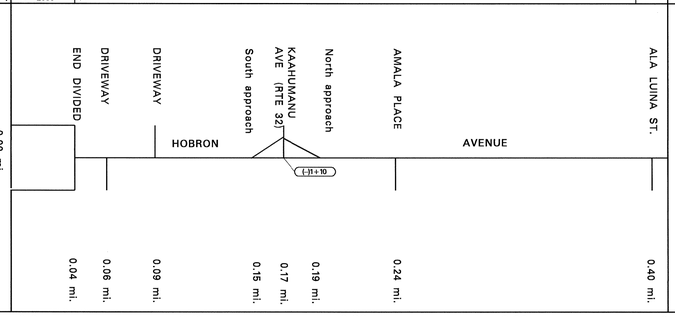
Project No., Type of Construction, and Year Constructed: 0.02 | HWY-M-01-05 (R) 2006 | 0.39 | COUNTY TO STATE

Project No., Type of Construction, and Year Constructed: (Inter. Improvement) | STP-036-1(12) 2000 | 0.04 | HWY-M-01-91M (R) 1992



Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 20″ = 1 mile

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

Divided Highway – Undivided

Shoulder: Width and Type: 6′ AC | 0.38 | 15′ – 20′ AC/GRAVEL

Pavement: Width and Type: 22′ AC | 33′ AC | 0.07 | 22′ AC

Shoulder: Width and Type: 0 | 0.04 | 6′ AC | 0.15 | 12′ Grass | 0.17 | 10′–15′ Gravel | 0.24 | 6′ AC

Median: Width and Type: 11′ Painted AC

Shoulder: Width and Type: 0 | 0.04

Pavement: Width and Type: 11′ AC

Shoulder: Width and Type: 6′ AC

Number of Traffic Lanes: 2 – 11′ / 1 – 11′ | 0.07 | 2 – 11′

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 0.19 | 1 – 11′ | 0.24

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number: 0.15 1 MV | 0.23 1 MV

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: FLAT | 0.23

Speed: 1–Design, 2–Posted: NOT POSTED 20 MPH (2) | 20 MPH (2) NOT POSTED

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B74 032A 00000

HPMS Sections – AADT 2009: 4,100

HPMS Sections – AADT 2008: 5,960 | 0.41

HPMS Sections – AADT 2007: 6,060

DOD Sections

Census Tracts

Functional Classification: Principal Arterial (3)

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

Previous Projects: Project No., Date and Limits

DANC 8 (1) 1945 | 0.22 | COUNTY

SCALE: (In Miles) 20″ = 1 mile

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

Date Released
Oct. 2004, G.N.
Revised
Nov. 06 D.B.
Dec. 09 D.B.
Feb. 11 D.B.

ROAD INVENTORY
MAUI RTE 32B
WHARF 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

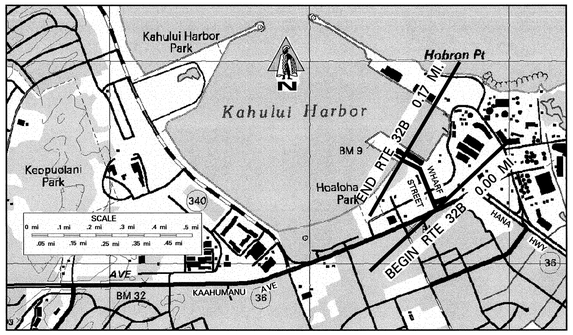
Total Route Length: 0.17 miles

a. Survey Length: 0.17 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.17 miles

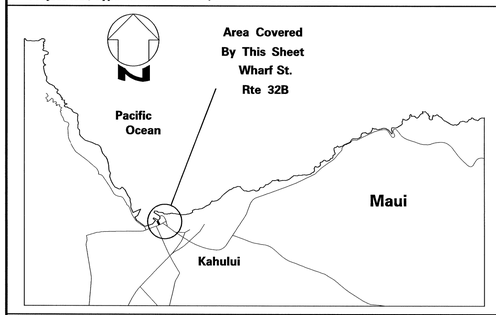
*



SCALE: (In Miles) 20″ = 1 mile

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

Maintenance Control Sections : Length and Description		32B (0.17 MI)	Begin and end 32B same as begin and end route 32B
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′	
Available Right of Way Width (Needs Study)		COMMERCIAL AREA	
Right of Way Fence: Type – Right and Left		0.00 0.08 Chain Link Fence	
Control of Access: 1–None, 2–Partial, 3–Full		NONE	
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)		0+00 STATE 5+70	
Project No., Type of Construction, and Year Constructed		0.00 HWY–M–01–05M 2006 (R) LT–M–01–78M (R) WDR 34(1)	
Project No., Type of Construction, and Year Constructed		HWY–M–01–91M 1992 (R) 0.11 1979 0.14	



Road Diagram

* MP=Milepost Signage

BEGIN ROUTE 32B ON WHARF STREET AT THE NORTH EDGE OF PAVEMENT OF KAAHUMANU AVENUE (ROUTE 32)

0.00 MI.

ALA LUINA ST. (Pier 1) — 0.05 mi.
GUARD HOUSE — 0.08 mi.
PAVED ROAD — 0.11 mi.

WHARF STREET

0.17 MI.

END ROUTE 32B ON WHARF STREET AT THE SOUTH BOUNDARY OF THE HARBORS DIVISION LOT AT PIER #2

SCALE: (In Miles) 20″ = 1 mile

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

Divided Highway — Undivided	Shoulder: Width and Type	2′ AC | 0.02 | 8′ AC | 0.06 | 0.07 | 10′ AC | 0.14 | 30′–50′ AC
	Pavement: Width and Type	24′ AC | 0.02 | 28′ AC | 36′ AC | 0.06 | 42′ AC | 44′ AC | 0.11 | 24′ AC | 0.12 | 36′ AC
	Shoulder: Width and Type	2′ AC | 0.04 | 4′ AC | 0.08 | 0 | 40′–50′ AC
Divided Highway	Median: Width and Type	
	Shoulder: Width and Type	
	Pavement: Width and Type	
	Shoulder: Width and Type	
Number of Traffic Lanes		0.02 | 0.04 | 0.08 | 0.12
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)		2-12′ | 1-12′ 1-14′ | 2-18′ | 1-14′ 1-28′ | 1-16′ 1-30′ | 1-16′ 1-20′
(Right Side)		12′ T.L. | 0.08 | 0.11
Frontage Road: No. of Lanes, and Width (Right and Left)		
Sidewalk: Width and Type (Right and Left)		0.04 | 0.07 — 8″ CONC | 8″ CONC
Curb and/or Gutter: Type (Right and Left)		CONC. CURB & AC GUTTER
Protective Devices: Type, Location and Number		
Illumination: Type, Location and Number		
Curves: Degree of Curvature (Right and Left)		
Superelevation (Range)		
Grades: % Grade, Positive or Negative		
Vertical Curve: Crest or Sag, Curve Limits		
Area and Development:		SMALL URBAN
Terrain: 1–Flat, 2–Rolling, 3–Mountainous		FLAT (1)
Speed: 1–Design, 2–Posted		20 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing		
Traffic Stations (Current Year)		B74 032B 00000
HPMS Sections – AADT 2009		590
HPMS Sections – AADT 2008		2,424
HPMS Sections – AADT 2007		2,465
DOD Sections		
Census Tracts		
Functional Classification		PRINCIPAL ARTERIAL (3)
National Highway System (NHS)		ON NHS (1)
Previous Projects: Project No., Date and Limits		
		WDR 34 (1) COUNTY PROJECT

0.17

Date Released
Oct. 2004, G.N.

Revised	
Nov. 06	D.B.
Feb. 11	D.B.

SCALE: (In Miles) 20″ = 1 mile

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

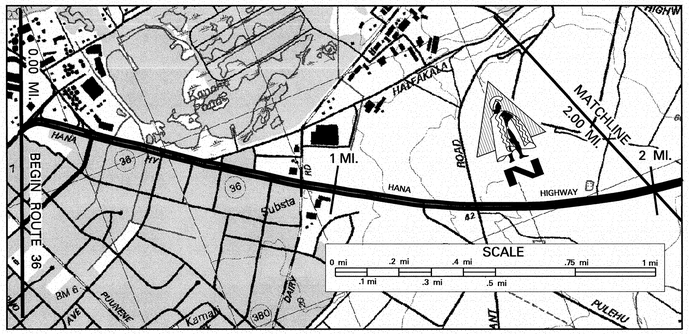
ROAD INVENTORY

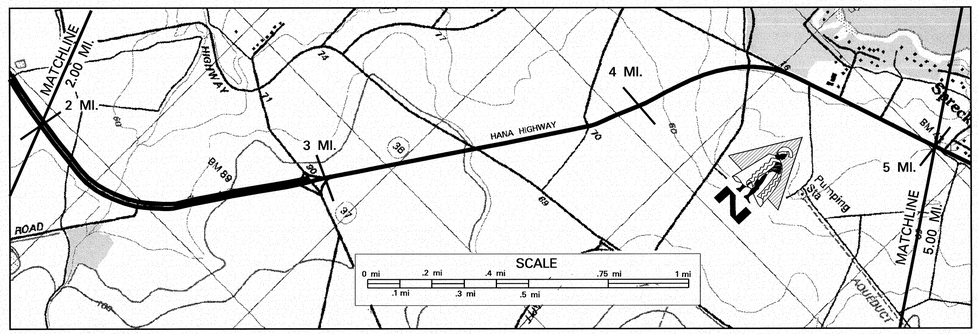
MAUI RTE 36
HANA HIGHWAY

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: 16.23 miles
a. Survey Length: 16.23 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*





SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Maintenance Control Sections : Length and Description

Begin 36A same as begin Route 36 — 36A (6.70 MI)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
KAHULUI URBAN BOUNDARY — TEE BEAM 1944 H20 53' — 2.29 — PRESTRESSED CONCRETE GIRDER 1991 HS-20-44

Vertical Clearance — 105'

Horizontal Clearance — 100' – 168' — 4.91 — 60'

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies — URBAN/RESIDENTIAL AREA 1.00 — 1000' CLR – SUGAR CANE FIELD 20' FROM PAVEMENT

Available Right of Way Width (Needs Study)

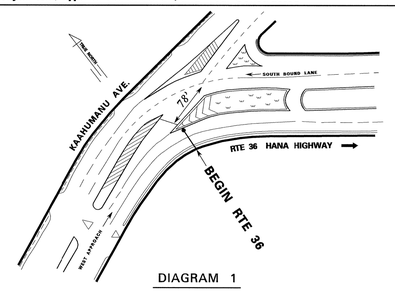
Right of Way Fence: Type – Right and Left — N O N E

Control of Access: 1–None, 2–Partial, 3–Full — PARTIAL — N O N E

Jurisdiction, Transfer Phase No. and Date (C to S or S to C) — STP-036-1(12) Inter. Impr., 2000 — S T A T E

Project No., Type of Construction, and Year Constructed — 0.15 — 0.27 — 2.39 — 130+00 — HWY-M-02-08, IMPRV., 2010 — 182+00 — 3.37 — 208+00 — 4.50 — 241+00 — 169+00 — 4.93 — STP-0900(58), GUARDRAIL & SHOULDER IMPR., 2004

Project No., Type of Construction, and Year Constructed — 36A-01-96M (R), 1999 — 43+17 — 0.87 — 0.89 — 44+17 — NH-036-1(16), RESURFACE, 2010 — 173+65 — 3.22 — STP-0900(58), GUARDRAIL & SHOULDER IMPR., 2004 — 3.89 — 36AB-01-04M, RESURFACE, 2005



Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP = Milepost Signage

(SEE DIAGRAM 1)

BEGIN ROUTE 36 ON THE WEST APPROACH TO HANA HWY 78' FROM THE CENTERLINE OF THE SOUTH BOUND LANE OF KAAHUMANU AVENUE (ROUTE 32)

0.00 mi. — MP 0 — HOBRON ST (Rte 32A) — 0.02 mi.
0.19 mi. — Kam Ave — ROAD — 0.27 mi.
0.27 mi. — ROAD — 0.37 mi.
0.37 mi. — WAKEA AVENUE — 0.43 mi.
0.43 mi. — ROAD — 0.52 mi.
0.52 mi. — HANAMAU STREET — 0.61 mi.
0.61 mi. — HALEAKALA HWY (Rte 36) — Hanakai St — 0.72 mi.
0.72 mi. — PAVED ROAD — 0.78 mi.
0.78 mi. — PAPA PLACE — 0.87 mi.
0.87 mi. — DAIRY ROAD (Rte 3800) — 0.95 mi.
0.95 mi. — ECB — 0.97 mi.
0.97 mi. — 1 MP — 1.07 mi.
1.07 mi. — ROAD — 1.27 mi.
1.27 mi. — PULEHU ROAD — 1.42 mi.
1.42 mi. — ROAD to Development — 1.80 mi.
1.80 mi. — CONC. TC & CANE HAUL RD — 2.01 mi.
2.01 mi. — 2 MP — 2.19 mi.
2.19 mi. — 124+40 — 2.29 mi.
2.29 mi. — KALIALINUI BR — 2.37 mi.
2.37 mi. — HANSEN ROAD — 2.46 mi.
2.46 mi. — H W Y — 2.66 mi.
2.66 mi. — CULVERT — 2.81 mi.
2.81 mi. — ECB — 2.92 mi.
2.92 mi. — 157+81.20 — HALEAKALA HWY (Rte 37) — 3.00 mi.
3.00 mi. — 3 MP — 3.21 mi.
3.21 mi. — END DIVIDED — 3.39 mi.
3.39 mi. — KALA STREET CULVERT — 3.44 mi.
3.44 mi. — 184+95 — 3.79 mi.
3.79 mi. — CANE HAUL RD — 4.01 mi.
4.01 mi. — MP — 4.16 mi.
4.16 mi. — BEGIN DIVIDED — 4.34 mi.
4.34 mi. — STABLE RD. — 4.38 mi.
4.38 mi. — ECB — 4.65 mi.
4.65 mi. — 154+30 — ALAKAPA PL — 4.73 mi.
4.73 mi. — END DIVIDED — 4.84 mi.
4.84 mi. — BEGIN DIVIDED — 5.00 mi.
5.00 mi. — NONOHE PL — MP 5

232+70

ROUTE CONTINUES ON SHEET # 2

H A N A

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Divided Highway

Undivided

Shoulder: Width and Type — 6' AC (0.96) — 10' AC (2.88) — 6' AC (3.22) — 4' AC

Pavement: Width and Type — 22' AC (0.61) — 24' AC (3.37) — 36' AC — 24' AC — 12' AC — 24' AC — 12' AC

Shoulder: Width and Type — 4' AC (0.87) — 0' (0.95) — 6' AC — 0' — 6' AC — 0' — 4' AC — 0' — 0'

Divided

Median: Width and Type — 50' GRASS (0.92) — 4' CONC. MEDIAN GUTTER — VARIES 16'–24' GRASS (1.29) — VARIES 20'– 24' GRASS (2.19) — VARIES 10'–20' PAINTED AC (2.48) — 4' CONC. MEDIAN GUTTER (2.82) — VARIES 10'–14' GRASS — VARIES 12'–20' PAINTED AC (3.21) — (4.18) — 12' PAINTED AC (4.73) — (4.84) — 12' PAINTED AC

Shoulder: Width and Type — 4' AC (0.87) — 0' (0.95) — 6' AC — 0' — 6' AC — 0' (3.19) — 0' — 0'

Pavement: Width and Type — 24' AC — 36' AC (2.78) — 24' AC (2.97) — TAPER 24'–12' AC (3.04) — (12' AC) — 12' AC — 12' AC

Shoulder: Width and Type — 6' AC (0.81) — (0.95) — 10' AC — (2.28) — 5' BIKE LANE (2.39) — 6' AC — (2.80) — 5' BIKE LANE — 8' – 10' AC — 4' AC — 6'–8' AC

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

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) ALL T.L.'s 12' unless noted — 11' (0.25) — 11' (0.45) — 0.97 — 1.03 — 1.08 — 2.37 — 3-12' — 2-12' — 1-12' (3.37) — 2 – 12'

(Right Side) ALL T.L.'s 12' unless noted

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

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left) — 6" CONC. — CONC. CURB (0.24) — 4' – 6' CONCRETE GUTTER

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

Illumination: Type, Location and Number — H P S — M/M

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative — 0.18 — – 1 — 0.46 — 2.86 — + 1 — 3.28 — 4.81 — + 2 — 4.89

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: — SMALL URBAN — 2.92 — RURAL

Terrain: 1–Flat, 2–Rolling, 3–Mountainous — F L A T (1)

Speed: 1–Design, 2–Posted — 0.09 — 0.30 — 30 MPH (2) — 45 MPH (2) — 1.07 — 55 MPH (2) — 2.71 — 45 MPH (2) — 3.22 — 55 MPH (2) — 4.30 — 35 MPH (2) — 45 MPH (2) — (35 MPH (2)) — 4.81

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

Traffic Stations (Current Year) — 0.19 — 0.87 — 1.80 — 2.92 — 3.00
B74 0036 00000 — B74 0036 00019 — B74 0036 00061 — B74 0036 00087 — B74 0036 00292 — B74 0036 00321

HPMS Sections – AADT 2009 — 24,600 — 32,300 — 31,023 — 34,000 — 17,382 — 19,000

HPMS Sections – AADT 2008 — 25,826 — 36,158 — 30,498 — 39,836 — 17,088 — 17,088

HPMS Sections – AADT 2007 — 26,260 — 36,765 — 31,010 — 40,505 — 17,375

DOD Sections

Census Tracts

Functional Classification — PRINCIPLE ARTERIAL (3) — 2.92 — MINOR ARTERIAL (4)

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

Previous Projects: Project No., Date and Limits
0.87 — STP-0900(58), GUARDRAIL & SHOULDER IMPR., 2004 — 3.88
0.87 — HWY-M-01-96M AREA 3 1997 — 3.22
STP-0900(34) 1998 — 0.80 — 0.87 — AM-1061-12 (IMPROV), 1991 — 36A-02-87M (R) 1988 — 3.22 — 173+65 — 36AB-01-04M, RESURFACE, 2005
0.06 — 2.80 — 2.97 — 3.06 — 36AB-01-90M (R) 1991
DANC 8(1) 1945 — HWY-M-01-76M (R) 1976 — 36A-01-82 Inter. Impr. 1983 — 4.52
DANC 8(1) 1943, 1945 — 3.06 — HWY-M-02-76M (R) 1976 — 3.80 — 4.50 — 147+44.30 — NRS – 17A
242+00 — 1933

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Date Released
Oct. 2004, G.N.

Revised	
Feb. 06	D.B.
Nov. 06	D.B.
Mar. 08	D.B.
Dec. 09	D.B.
Feb. 11	D.B.

ROAD INVENTORY
MAUI RTE 36
HANA HIGHWAY

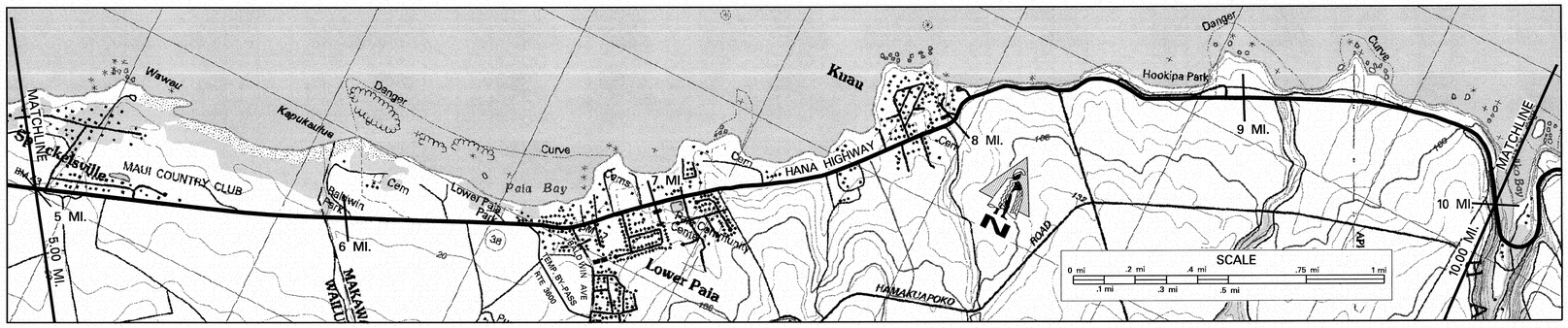
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 16.23 miles
a. Survey Length: 16.23 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

36A (6.70 MI) | End 36A and begin 36B on Hana Hwy at the West edge of pavement of Baldwin Ave. | 36B (4.32 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' | 80' – 200'

Available Right of Way Width (Needs Study): 1000' CLR – SUGAR CANE FIELD 20' FROM PAVEMENT | RESIDENTIAL AREA | 1000' CLR (R) 15' SUGAR CANE FROM PAVEMENT / BEACH (L) | CLIFFS

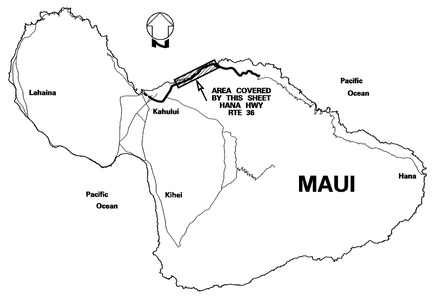
Right of Way Fence: Type – Right and Left: NONE

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: STP-0900(58), GUARDRAIL & SHOULDER IMPR., 2004 | 36AB-02-04M (R) 2006 | 36AB-01-95M 1998 (R) | 36AB-01-04M, RESURFACE, 2005 | 36AB-01-90M RESURFACE 1991 | STP-036-1(8) RESURFACE 1998

Project No., Type of Construction, and Year Constructed: 36AB-01-04M, RESURFACE, 2005



Road Diagram
* MP = Milepost Signage

ROUTE CONTINUED FROM SHEET # 1 — 5.00 mi.

END DIVIDED | ULUPUA PLACE | BEGIN DIVIDED CULVERT | END DIVIDED ALAWAI RD | Telemetry Sta. 36B | ACCESS TO PAIA MINI-BYPASS RD. (RTE 3600) PAVED ROAD (PUNA ROAD) | AE LANE | HOMELANI PLACE | 6.79 mi. NALU PL AVE | LUNA PLACE | KUPONO STREET | LOLO PLACE 6.82 mi. | EKOLU PL. | BEGIN DIVIDED | LAE PLACE | HOLO PLACE | 7.03 mi. | END DIVIDED | KU AU BEACH PLACE | PAVED ROAD | HANA HIGHWAY | KAULUA PLACE | AOLANI PLACE | WAA PLACE | Kuiani Place | KAIMAU STREET | ULUMAIKA PLACE | MEHA PLACE | KAIHOLO ROAD | ROAD TO MAMA'S FISH HOUSE | HOLOMUA AVENUE | WEST EXIT FROM HOOKIPA PARK | END DIVIDED | EAST ENTRANCE TO HOOKIPA PARK | BEGIN DIVIDED | PAVED ROAD | PAVED ROAD | PAVED ROAD | ROAD TO HAMAKUAPOKO

188+10 | 225+00 | 6 MP | 3+00 | (SEE DIAGRAM ON RTE 36 SHEET 4 OF 4) | 1+40 | 7 MP | 445+10 | 8 MP | 9 MP | ECB

5.11 mi. | 5.28 mi. | 5.90 mi. | 5.91 mi. | 5.97 mi. | 6.02 mi. | 6.03 mi. | 6.28 mi. | 6.47 mi. | 6.54 mi. | 6.61 mi. | 6.68 mi. | 6.70 mi. | (6.80 mi.) | (6.77 mi.) | 6.86 mi. | 6.97 mi. | 7.06 mi. | 7.09 mi. | 7.15 mi. | 7.26 mi. | 7.32 mi. | 7.58 mi. | 7.63 mi. | 7.70 mi. | 7.79 mi. | 7.84 mi. | 7.99 mi. | 8.02 mi. | 8.06 mi. | 8.36 mi. | 8.55 mi. | 8.82 mi. | 8.93 mi. | 8.98 mi. | 9.03 mi. | 9.12 mi. | 9.33 mi. | 9.53 mi. | 9.54 mi. | 9.71 mi.

ROUTE CONTINUES ON SHEET #3 — 10.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway

	Undivided	Divided
Shoulder: Width and Type	4' AC	6' GRASS / 4' AC / 6' GRASS / 6' AC
Pavement: Width and Type	12' AC / 24' AC / 12' AC / 24' AC	22' AC / 31' AC / 22' AC / 34' AC / 24' AC / 11' AC / 22' AC / 12' AC / 24' AC
Shoulder: Width and Type	0' / 4' AC / 0' / 4' AC	0' / 4' GRS / 4' AC / 0' / 6' GRASS / 4' AC / 6' GRASS / 6' AC / 10' GRASS / 0 / 5' – 6' AC
Median: Width and Type		12' PAINT AC / 10' PAINT AC / 10' PAINT AC / 0'–10' PAINTED AC
Shoulder: Width and Type		0' / 0' / 0' / 0
Pavement: Width and Type		12' AC / 12' AC / 11' AC / 12' AC
Shoulder: Width and Type		6'-8' AC / 6'-15' AC / (2-12') / 6' GRASS / 6' AC

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

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 1-11' / 1-20' / 2-11' / 2-11' / 2-12' | (1-11' (L) TL) | (11' 2-WAY (L) TL) | 1-14' (R) TL (TO PAIA MINI BY-PASS) | (1-12' (R) TL)

(Right Side)

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

Sidewalk: Width and Type (Right and Left): 6' CONC. CURB

Curb and/or Gutter: Type (Right and Left): CONC. CURB | (METAL RAIL ON CONC. POST) | 4' CONC. GUTTER

Protective Devices: Type, Location and Number: METAL ON METAL | METAL ON METAL | WOOD ON WOOD | METAL ON CONC.

Illumination: Type, Location and Number: MV

Curves: Degree of Curvature (Right and Left): NONE

Shoulder Lanes: (OPEN 4-6 PM, EXC. SAT, SUN, HOL.; NO TRUCKS OR BUSES) 1-14' SHOULDER LANE

Grades: % Grade, Positive or Negative: – 1 | 0 | + 3 | –3

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: F L A T (1) | R O L L I N G (2) | MOUNTAINOUS

Speed: 1–Design, 2–Posted: 35 MPH (2) | 45 MPH (2) | 35 MPH (2) | 20 MPH (2) | 3 PHASE | 30 MPH (2) | 45 MPH (2) | 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B74 0036 00321 | B74 0036 00654 | B74 0036 00893 | B74 0036 00971

HPMS Sections – AADT 2009: 19,000 | 14,757 | 11,300 | 10,714

HPMS Sections – AADT 2008: 17,088 | 14,506 | 11,526 | 10,533

HPMS Sections – AADT 2007: 17,375 | 14,750 | 11,720 | 10,710

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4)

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

Previous Projects: Project No., Date and Limits

36AB-01-90M RESURFACE 1991 | 36AB-01-90M RESURFACE 1991 | 36B-02-02, SHLDR. LN., 2005 | (36AB-01-95M, 1996 (R)) | 36AB-01-75 (RESURF) 1975 | NRS – 17A 1933 | 257+00 | 36B-02-79 (IMPROV) 1979 | 36AB-01-90M (RESURF) 1991 | JOB # 5213 | WDRC 14(1) 1948 | 368C – 01 – 82M (RESURF) 1982 | F-036-1(1) REVAMP 1961 | F-036-1(1) 1959 | STP-036-1(7) 1997

SCALE: (In Miles) 4" = 1 mile

Date Released
Oct. 2004, G.N.

Revised	
Feb. 06	D.B.
Nov. 06	D.B.
Mar. 08	D.B.
Jan. 10	D.B.
Feb. 11	D.B.

ROAD INVENTORY

MAUI RTE 36
HANA 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

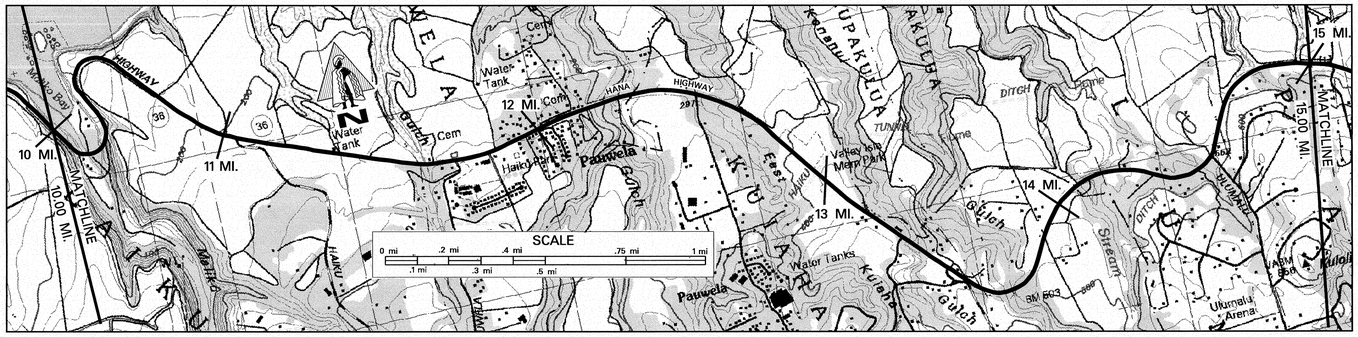
Total Route Length: 16.23 miles

a. Survey Length: 16.23 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

36B (4.32 MI) | End 36B, Begin 36C at the centerline intersection of Hana Hwy and Kakomo-Haiku Road (11.02) | 36C (5.21 MI)

Structure Carrying Road

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

TEE BEAM 1961 205' HS20 (10.09) | PRESTRESSED CONCRETE GIRDER, HL-93, 2003 (13.84)

Vertical Clearance

28' | 22'5" | 34'

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

80' – 200' (10.46) | 80' – 285' | 80' – 135' (13.82)

Available Right of Way Width (Needs Study)

CUT SLOPES | CLR 1000' PINEAPPLE 20' FROM PAVEMENT (10.70 – 11.00) | TREES AND BUSHES (11.70) | RES. AREA (12.18) | TREES (12.80) | CLR 1000' PINE 15' FROM PVMT (13.10) | CUT SLOPES WITH PASTURES AND FARMS

Right of Way Fence: Type – Right and Left

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

NONE

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

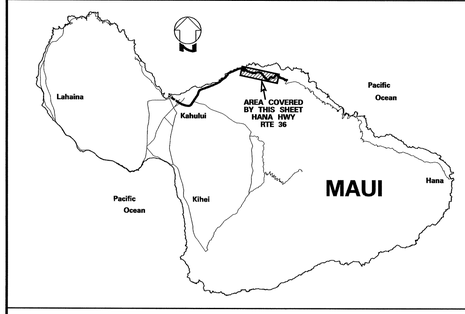
STATE

Project No., Type of Construction, and Year Constructed

STP – 036 – 1(8) RESURFACE (12.94) | BR-036-1(15), 2003 BRIDGE REPLACEMENT (13.82 – 13.84) | STP – 0900 (39), 1996 RESURFACE

Project No., Type of Construction, and Year Constructed

1998



Road Diagram

* MP = Milepost Signage

ROUTE CONTINUED FROM SHEET # 2

10.00 mi. — HANA HIGHWAY — 15.00 mi.

ECB (10.00 mi.) | MALIKO BRIDGE ROAD (10.02 mi.) | ROAD (10.14 mi.) | ROAD (10.18 mi.) | ROAD (10.63 mi.) | HAIKU ROAD (11.02 mi.) | 11 MP | ROAD TO CEMETERY (11.03 mi.) | GATED ACCESS TO HAIKU COMM. CTR. (11.64 mi.) | PAUWELA ROAD (11.70 mi.) | PILIALOHA ST. (R) (11.77 mi.) | ROAD (L) (11.81 mi.) | AKAUALA PLACE (11.83 mi.) | AHONUI PLACE (11.86 mi.) | PUUKOA PLACE (11.88 mi.) | KAHIAPO PLACE (11.98 mi.) | 12 MP | WAIKINA LOOP (12.02 mi.) | WAIKINA LOOP (12.14 mi.) | NAHELE ROAD (12.24 mi.) | W. KUIAHA RD. (R) NAHELE RD. (L) (12.28 mi.) | (12.50 mi.) | VALLEY ISLE MEMORIAL PARK (12.83 mi.) | 13 MP | E. KUIAHA ROAD DRIVEWAY (L) (13.02 mi.) | (R) (13.28 mi.) | PEAHI RD. (R) HAHANA RD. (L) (13.45 mi.) | KAUPAKULUA BRIDGE (13.65 mi.) | O'ILI ROAD (13.86 mi.) | HOHANI PLACE (13.91 mi.) | 14 MP | (14.03 mi.) | ULUMALU ROAD (14.52 mi.)

ROUTE CONTINUE ON SHEET #4

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type

6' AC | 4' – 6' AC | 10' AC | 4' – 6' AC

Pavement: Width and Type

24' AC (10.57) | 22' AC | 24' AC | 22' AC

Shoulder: Width and Type

5' – 6' AC | 4' – 6' AC | 10' AC | 4' – 6' AC

Divided Highway – Divided

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

2 – 12' (10.57) | 2 – 11' | 2 – 12' (13.84) | 2 – 11'

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

NONE

(Right Side)

NONE (10.53 – 11.02)

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

NONE

Sidewalk: Width and Type (Right and Left)

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

4' CONC. GUTTER (10.21) | 10.48 | 3' CONC. GUTTER (10.74) | (4' CONC. GUTTER) | 4' CONC. GUTTER (10.34 – 10.48) | (10.55) | (CRM WALL) (10.09 – 10.15) | (METAL RAILS ON CONC. POSTS) (10.20)

3' AC | (2' CONC. GUTTER) (12.12 – 12.29) | 3' CONC. GUTTER | (2' CONC. GUTTER) (12.34 – 12.47) | (4' CONC. GUTTER) (12.48 – 12.56) | WOOD RAILS ON WOOD POSTS (11.58 – 11.83) | WOOD RAILS ON WOOD POSTS | WOOD RAILS ON WOOD POSTS

(2' CONC. GUTTER) | 3' CONC. GUTTER | (METAL ON CONC.) (13.27 – 13.30) | 6' CONC. SWALE (13.64 – 13.78) | (WOOD/WOOD) (13.34 – 13.38) | (WOOD/WOOD) | M/M (14.08 – 14.18) | M/M (14.20 – 14.21) | M/M (14.82 – 14.85)

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

(10.01 – 11.05) + 4 (11.48 – 12.73) + 7 (12.95)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL (10.09) | SMALL URBAN

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

MOUNTAINOUS (10.75) | ROLLING (12.03)

Speed: 1–Design, 2–Posted

35 MPH (2) (10.89 – 10.97) | 45 MPH (2) (11.66) | 30 MPH (2) (12.12) | 45 MPH (2) (12.84) | NOT POSTED 45 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

(B74 0036 00971) | B74 0036 01009 | B74 0036 01102 | B74 0036 01170 | B74 0036 01214 | B74 0036 01345 | B74 0036 01391

HPMS Sections – AADT 2009

(10,714) | 11,300 | 7,700 | 9,200 | 6,700 | 6,200 | 3,200

HPMS Sections – AADT 2008

(10,533) (10.09) | 10,533 | 7,848 | 6,260 | 6,260 | 6,162 | 3,378

HPMS Sections – AADT 2007

10,710 | 7,980 (11.02) | 6,365 (11.70 – 12.14) | 6,365 | 6,265 (13.45) | 3,435 (13.91)

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–036–1(7) 1997 (12.94)

36BC–01–82M 1982 RESURFACE (12.53) | 0.34 | 36C–01–87M 1987 RESURFACE

F–036–1(1) 1961 REVAMP (10.46) | (13.57) F – 32 (2) 1957

F–036–1(1) 1959 (10.46) 2+58.86 | F – 32 (3) 1951, 1953 | 164+34.19 (13.82) 3+34.19 | F – 32 (2) 1946

180+79.87

SCALE: (In Miles) 4" = 1 mile

Date Released
Oct 2004 GN

Revised	
Feb. 06	D.B.
Nov. 06	D.B.
Jan. 10	D.B.
Feb. 11	D.B.

ROAD INVENTORY

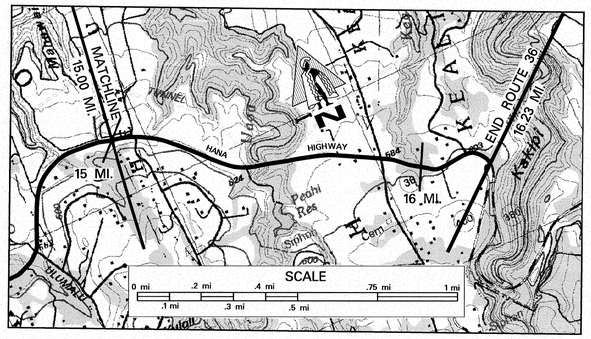
MAUI RTE 36
HANA HIGHWAY

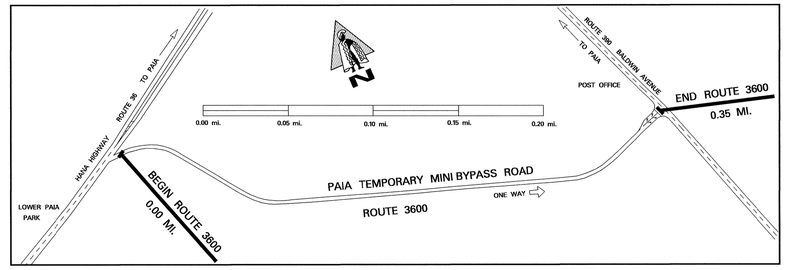
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 16.23 miles
a. Survey Length: 16.23 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

36C (5.21 MI) | END 36C SAME AS END ROUTE 36

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: Prestressed Concrete Girder, HL-93, 2002; 315'

Vertical Clearance

Horizontal Clearance: 15.40 | 44'

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 80' – 135'

Available Right of Way Width (Needs Study): CUT SLOPES W/PASTURES & FARMS

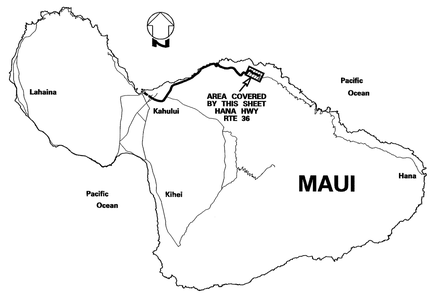
Right of Way Fence: Type – Right and Left

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

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

Project No., Type of Construction, and Year Constructed: BR-036-1(14), 2002 Bridge Replacement (15.36 – 15.61)

Project No., Type of Construction, and Year Constructed: STP-0900(39), 1996 RESURFACE | 7+00



Road Diagram
* MP = Milepost Signage

15.00 mi. ROUTE CONTINUED FROM SHEET #3

HEAAULA PLACE MANAWAI PL. (15.08 mi. / 15.05 mi. / 15.01 mi.) — UAOA BRIDGE (15.46 mi.) — HOLOKAI ROAD (15.86 mi.) — HAUMANA ROAD (16.04 mi.) — (16.12 mi.)

HANA HWY — 15 MP — 16 MP

END ROUTE 36 ON HANA HIGHWAY AT THE CENTERLINE INTERSECTION WITH KAUPAKULUA ROAD. SAME AS BEGINNING OF ROUTE 360. 16.23 mi.

BEGIN ROUTE 3600 ON PAIA TEMPORARY BYPASS ROAD AT GATED ENTRANCE FROM HANA HIGHWAY. 0.00 MI.

DIRT ROAD — 0.12 mi.

EFFECTIVE MAY 11, 2011
OPEN 24/7
ROUTE 3600 — PAIA TEMPORARY MINI BYPASS ROAD
ONE WAY

END ROUTE 3600 ON PAIA TEMPORARY BYPASS ROAD AT NORTHWEST EDGE OF PAVEMENT OF BALDWIN AVENUE. 0.35 MI.

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type: 4' – 6' AC

Pavement: Width and Type: 22' AC | 15.36 | 24' AC | 15.61 | 22' AC | 12' AC | 0.33 | 24' AC

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

NOTE: PAVEMENT WIDTHS INCLUDE TURNING LANES FROM 0.33 MI. TO 0.35 MI.

Divided Highway

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes: 2 – 11' | 15.36 | 2 – 12' | 15.61 | 2 – 11' | 1–12' | 0.33 | 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): NONE

(Right Side): NONE | 0.33

Frontage Road: No. of Lanes, and Width (Right and Left): NONE

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left): (4' CONC. GUTTER) (2' CONC. GUTTER) (15.50 / 15.51 / 15.52 / 15.61 / 15.86 / 15.88 / 15.89)

Protective Devices: Type, Location and Number: METAL ON METAL (15.47 – 15.59) | 16.15 METAL ON CONCRETE

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: SMALL URBAN

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

Speed: 1–Design, 2–Posted: NOT POSTED 45 MPH (2) | NOT POSTED 0.05 | 20 MPH (2) | 0.21 | 25 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B74 0036 01391

HPMS Sections – AADT 2009: 3,200

HPMS Sections – AADT 2008: 3,378 | 16.23

HPMS Sections – AADT 2007: 3,435

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4)

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

Previous Projects: Project No., Date and Limits

36C-01-87M 1987 RESURFACE (16.09)

F-32(2) 1957 (16.05)

F-32(2) 1946 (137+21.46 – 0+00)

Date Released
Oct 2004 GN

Revised	
Feb. 06	D.B.
Nov. 06	D.B.
Mar. 08	D.B.
Mar. 09	D.B.
Jan. 10	D.B.
Feb. 11	D.B.

ROAD INVENTORY
MAUI RTE 36A
HALEAKALA HWY., KEOLANI PL.

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

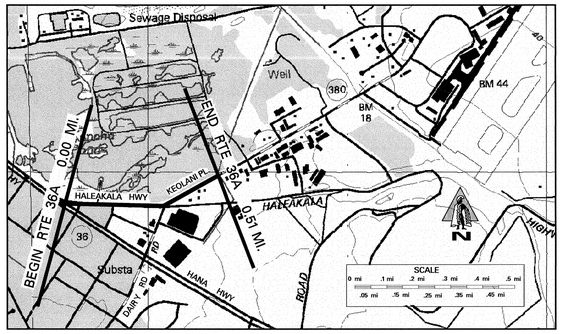
Total Route Length: 0.51 miles

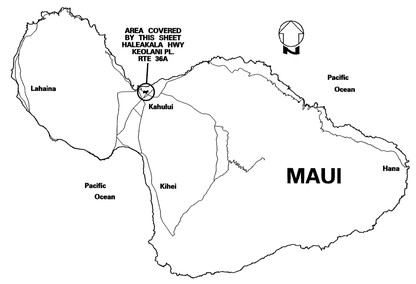
a. Survey Length: 0.51 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



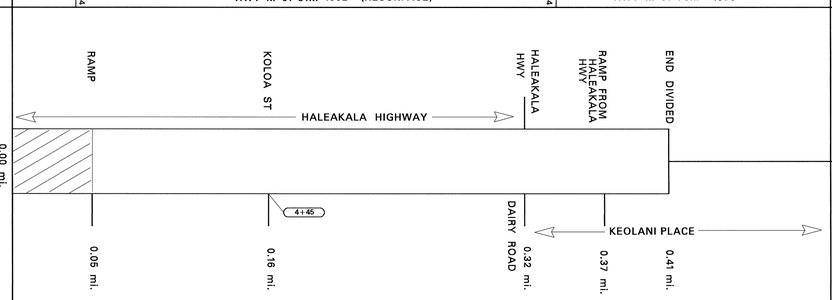


Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 20″ = 1 mile	0.0 … 0.10 … 0.20 … 0.30 … 0.40 … 0.50 … 0.60 … 0.70 … 0.80 … 0.90 … 1.00	
Maintenance Control Sections : Length and Description	Begin 36A-A on Haleakala Highway at the N.E. edge of pavement of Hana Hwy. → 36A – A (0.32) ← End 36A-A at centerline of Dairy Road	
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	0.32: 60′	
Available Right of Way Width (Needs Study)	BUSHES	COMMERCIAL AREA
Right of Way Fence: Type – Right and Left		
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)	(–)0+95 (0.05): STATE (0.32): 12+00	
Project No., Type of Construction, and Year Constructed	HWY–M–01–05M, RESURF., 2006	
Project No., Type of Construction, and Year Constructed	COUNTY (0.04): HWY–M–01–91M 1992 (RESURFACE) (0.34): HWY–M–01–76M 1976	

BEGIN ROUTE 36A ON HALEAKALA HIGHWAY ON THE NORTHEAST EDGE OF PAVEMENT OF HANA HIGHWAY (RTE 36)



END ROUTE 36A ON KEOLANI PLACE AT THE KAHULUI AIRPORT BOUNDARY. (CENTERLINE OF CONCRETE DITCH)

Indicates Grass & / or Physical Barrier on Median.

SCALE: (In Miles) 20″ = 1 mile	0.0 … 0.10 … 0.20 … 0.30 … 0.40 … 0.50 … 0.60 … 0.70 … 0.80 … 0.90 … 1.00	
Divided Highway, Undivided: Shoulder: Width and Type	0′ (0.04) / 6′ AC (0.10) / 6′ BP WITH CURB (0.23) / 10′ GRASS (0.25) / 6′ AC (0.32)	10′ GRAVEL (0.46) / 25′ GRAVEL
Divided Highway, Undivided: Pavement: Width and Type	12′ BP / 12′ AC / 24′ AC	12′ AC / 10′ AC (0.41) / 30′ AC
Divided Highway, Undivided: Shoulder: Width and Type	0′ / 6′ AC / 0.05 / 10′ GRS	0′ / 10′ GRASS
Divided Highway: Median: Width and Type	VARIES GRASS W/CONC. CURB (0.05) / (0.08)	0′ – 12′ PAINTED AC
Divided Highway: Shoulder: Width and Type		0′
Divided Highway: Pavement: Width and Type	12′ BP (0.05)	12′ AC (0.32) / 20′ AC
Divided Highway: Shoulder: Width and Type		0′ / 12′ GRASS
Number of Traffic Lanes	2 – 12′	1 – 10′ / 2 – 10′ / 1–12′
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	(0.16) (0.18)	(0.32) (0.35)
(Right Side)	(0.08) (0.16) (0.18) (0.20) 1–10′	
Frontage Road: No. of Lanes, and Width (Right and Left)		
Sidewalk: Width and Type (Right and Left)	(0.17) 6′ Concrete Sidewalk (0.29)	
Curb and/or Gutter: Type (Right and Left)	Conc. Curb (0.05) (0.07) Concrete Curb and Gutter (0.29)	
Protective Devices: Type, Location and Number		
Illumination: Type, Location and Number		
Curves: Degree of Curvature (Right and Left)		
Superelevation (Range)		
Grades: % Grade, Positive or Negative		
Vertical Curve: Crest or Sag, Curve Limits		
Area and Development:	SMALL URBAN	
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	F L A T	
Speed: 1–Design, 2–Posted	30 MPH (2)	
Intersection Control Devices: Type, Location and Cycle Timing		
Traffic Stations (Current Year)	B74 036A 00000	B74 036A 00032
HPMS Sections – AADT 2009	6,100	12,400
HPMS Sections – AADT 2008	10,499	16,267
HPMS Sections – AADT 2007	10,675	16,540 (0.51)
DOD Sections	(0.32)	
Census Tracts		
Functional Classification	MINOR ARTERIAL (4)	
National Highway System (NHS)	NOT ON NHS (0)	
Previous Projects: Project No., Date and Limits		
	(0.32) HWY–M–01–76M 1976	
	COUNTY (0.33) NRS–17A 1933 AND 1934	
SCALE: (In Miles) 20″ = 1 mile	0.0 … 0.10 … 0.20 … 0.30 … 0.40 … 0.50 … 0.60 … 0.70 … 0.80 … 0.90 … 1.00	

Date Released
Oct 2004 GN

Revised	
Sept. 04	D.B
Nov. 06	D.B
Jan 10	D.B
Feb. 11	D.B

ROAD INVENTORY

MAUI RTE 37
HALEAKALA HWY & KULA 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

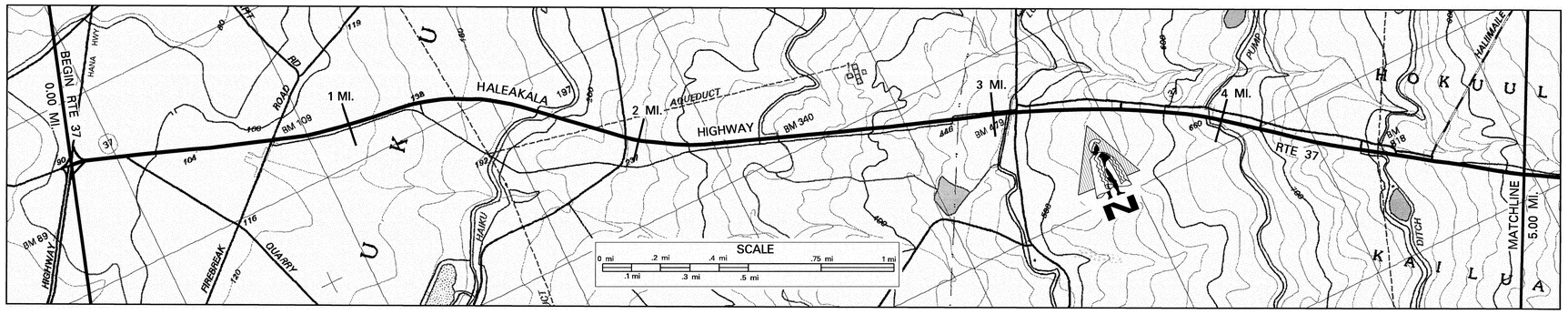
Total Route Length: 21.39 miles

a. Survey Length: 21.39 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 37B on Haleakala Highway at the centerline intersection with Hana Highway — 37B (4.76 MI) — End 37B – Begin 37C on Haleakala Hwy at the centerline with Haliimaile Road (4.76)

Structure Carrying Road

- **Bridges (Over 20'): Length, Type, Capacity and Year Constructed:** CONCRETE CULVERT, 35', 1973, HS–20
- **Vertical Clearance:**
- **Horizontal Clearance:** 48'

Structure Over Road

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

Right of Way Width (min.–max.) if varies: 50' (0.74) 60' (3.05) 120' – 140' (4.76) 140' – 200'

Available Right of Way Width (Needs Study): CLEAR 1000' – SUGAR CANE 30' FROM EDGE OF PAVEMENT

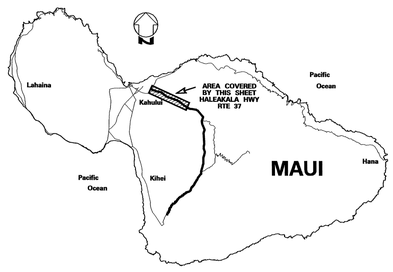
Right of Way Fence: Type – Right and Left: NONE

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): NH–037–1(24), WIDENING, 2009

Project No., Type of Construction, and Year Constructed: 0+95 (0.03) HWY–M–01–06M, RESURFACING, 2007 (0.90) 47+60 — 37D–01–90 (TRUCK CLIMBING LANE) 1991 (4.76) 37C–02–90, 1993 NEW ALIGN.

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



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

BEGIN ROUTE 37 ON HALEAKALA HIGHWAY AT THE SOUTHEAST EDGE OF PAVEMENT OF HANA HIGHWAY (RTE 36)

0.00 mi. RAMP FROM HANA HWY — 0.04 mi. RAMP TO HANA HWY — 0.06 mi. BLOCKED ROAD — 0.14 mi. QUARRY ROAD — 0.19 mi. NORTH FIRE BREAK & T.C. RD — 0.70 mi. ECB ROAD — 0.84 mi. 36+38 — 0.86 mi. PAVED RD — 0.91 mi. 1 MP — 0.94 mi. CULVERT — 1.23 mi. ROAD — 1.64 mi. 2 MP — 1.69 mi. CULVERT — 1.96 mi. PAVED ROAD — 1.98 mi. 2.42 mi. 2.49 mi. CULVERT — 2.99 mi. 3 MP — 3.08 mi. ROAD — 3.21 mi. 171+25 — 3.27 mi. KEAHOA RD. LOWRIE BRIDGE — 3.30 mi. ECB — 3.37 mi. 500' ELEV. SIGN — 3.64 mi. EMERGENCY ESCAPE RAMP — 3.83 mi. ROAD — 4.07 mi. 4 MP — 4.14 mi. PAVED RD — 4.50 mi. ROAD — 4.58 mi. CONC. BRIDGE — 4.61 mi. PAVED RD — 4.75 mi. HALIMAILE ROAD — 4.97 mi. ECB

HALEAKALA HIGHWAY

CONTINUES ON SHEET #2 5.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

- **Shoulder: Width and Type:** 6' AC – 4' GRASS
- **Pavement: Width and Type:** 24' AC
- **Shoulder: Width and Type:** 4' AC

Divided Highway

- **Median: Width and Type:** 4'–22' PAINTED AC; 16'–28 GRASS; 16' GRASS FLUSH (0.70–0.86); (0–16' PAINTED AC) (0.91); 12'–24' GRASS
- **Shoulder: Width and Type:** 0' 4' AC; 8' AC
- **Pavement: Width and Type:** 12' AC 24' AC; 24' PCC
- **Shoulder: Width and Type:** 0.05 6' AC

- **Number of Traffic Lanes:** 2–12' → 4–12'
- **Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side):** 1–12' AC → (1–12' (L) TL) (0.08–0.31; 0.70–1.31; 1.57–2.01; 2.34–2.42; 3.00–3.45; 3.76–4.23; 4.31–4.91)
- **(Right Side)**
- **Frontage Road: No. of Lanes, and Width (Right and Left):**
- **Sidewalk: Width and Type (Right and Left):**
- **Curb and/or Gutter: Type (Right and Left):**
- **Protective Devices: Type, Location and Number:** M/C = metal rails on concrete post — M/C N/C (1.65–1.76; 2.42–2.55; 3.20–3.30; 4.56–4.82; 4.22)
- **Illumination: Type, Location and Number:**
- **Curves: Degree of Curvature (Right and Left):**
- **Superelevation (Range):**
- **Grades: % Grade, Positive or Negative:** 0.21–0.32 (1.60) –2 (1.90) (2.32) –2 (3.20) (4.12) –4 (4.24)
- **Vertical Curve: Crest or Sag, Curve Limits:** (CONTRA FLOW, EVES, 3:30 – 6:00 PM) → TRAFFIC FLOW → (coning begins here) (CONTRA FLOW, MORN., 5:30 – 8:30 AM) ← TRAFFIC FLOW
- **Area and Development:** SMALL URBAN
- **Terrain: 1–Flat, 2–Rolling, 3–Mountainous:** F L A T (0.18–0.64–0.97–2.89)
- **Speed: 1–Design, 2–Posted:** 35 MPH (1) (0.18–0.64); 45 MPH (1) (0.64–0.97); 55 MPH (1) (0.97–2.89); 45 MPH (1) (2.89–3.07); 55 MPH (1) (3.07–3.38); 45 MPH (1) (3.38–4.76); 45 MPH (1)
- **Intersection Control Devices: Type, Location and Cycle Timing:** 3 PHASE (0.44–0.70–1.01)
- **Traffic Stations (Current Year):** B74 0037 00000; B74 0037 00091; B74 0037 00476
- **HPMS Sections – AADT 2009:** 28,800; 30,313; 19,800
- **HPMS Sections – AADT 2008:** 30,408; 29,800; 26,923
- **HPMS Sections – AADT 2007:** 30,919; 30,300; 27,375
- **DOD Sections:** DOD 710
- **Census Tracts:**
- **Functional Classification:** PRINCIPAL ARTERIAL (3)
- **National Highway System (NHS):** ON NHS (1)
- **Previous Projects: Project No., Date and Limits:** 36A–01–82 1983 (INTER IMPROV) (0.05–0.10); 37CD–01–80M 1980 (RESURFACE) (0.10–0.68); FAP E–5E 1933 (0.65–0.70); FAP E–5E 1932 (0.08–0.70); 0.04 NH–037–1(22), 2004, HALEAKALA HWY WIDENING 0.91; 37D–01–90 (TRUCK CLIMBING LANE) 1991 (0.91–4.76); F–037–1(7) 1972 (0.70–4.94)

SCALE: (In Miles) 4" = 1 mile

Date Released
Oct 2004 GN

Revised	
Feb., 06	D.B.
Nov., 06	D.B.
Feb., 08	D.B.
May, 10	D.B.
Feb. 11	D.B.

ROAD INVENTORY

MAUI RTE 37
HALEAKALA HWY & KULA 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

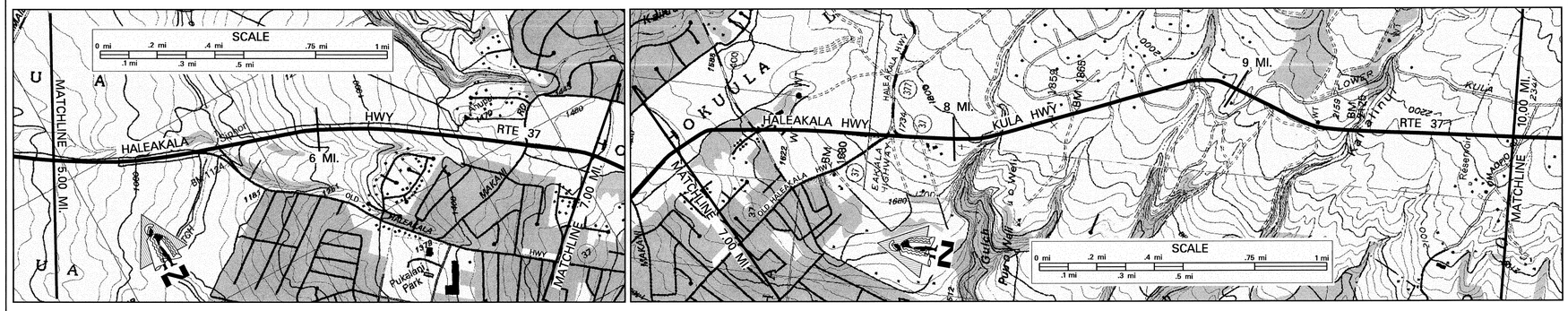
Total Route Length: 21.39 miles

a. Survey Length: 21.39 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

37C (9.25 MI)

Structure Carrying Road

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

CULVERT (2–10')
1964 HS–20
40'

PRESTRESSED BEAM
1964 HS–20
324'

Vertical Clearance

Horizontal Clearance

24' (8.17)

28' (9.40)

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

140' – 200' (5.40 – 7.91)

90' – 270' (7.91 – 9.88)

Available Right of Way Width (Needs Study)

PASTURE AND RANCH LANDS

Right of Way Fence: Type – Right and Left

ALL WIRE ON WOOD (8.56 – 9.74; 9.88; 8.88 – 9.22; 9.07 – 9.41)

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–037–1(24), 2009, WIDENING (292+30 – 5.56)

(HWY–M–01–06M, RESURF., 2007) (40+70 – 5.74; 52+70 – 6.52)

(STP–037–1(23), INTERSECTION IMPR., 2007) (92+00 – 6.50; 116+50 – 6.96)

(HWY–M–01–06M, RESURF., 2007) (159+80 – 7.78; 326+00 – 8.08)

37CD–01–02M, REPAIR & MAINT., 2004

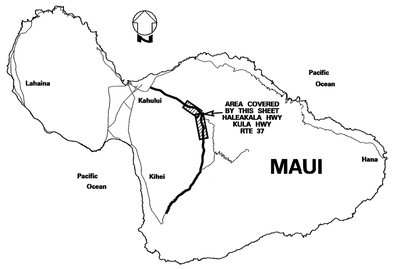
Project No., Type of Construction, and Year Constructed

37C–02–90, 1993, NEW ALIGNMENT (5.52 – 5.74)

37C–01–92 1993 NEW ALIGNMENT (PHASE II) (5.74 – 7.91)

STP–037–1(18) RESURFACE 1994 (7.91 – 9.04)

STP–037–1(21) RESURFACE 1999 (9.04 – 10.00)



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET # 1

5.00 mi.

ROAD 5.04 mi.
END DIVIDED 5.41 mi.
BEGIN DIVIDED ROAD 5.41 mi.
OFF RAMP TO OLD HALEAKALA HWY 5.50 mi.
ON RAMP FROM OLD HALEAKALA & BEGIN DIVIDED HWY 5.48 mi.
END DIVIDED 5.56 mi.
PAVED ROAD & T.C. 5.64 mi.
47+20 5.85 mi.
6 MP 6.04 mi.
HALEAKALA HIGHWAY
BEGIN DIVIDED ROAD 6.50 mi.
MAKANI ROAD 6.54 mi.
104+40 6.73 mi.
END DIVIDED ECB 6.86 mi.
BEGIN PAVED ROAD & TRACTOR XING 6.92 mi.
END DIVIDED 6.95 mi.
MAKAWAO AVE (RTE 365) 6.99 mi.
7 MP 7.08 mi.
HIGHWAY 7.23 mi.
Road to WATER TANK 7.43 mi.
END DIVIDED 7.47 mi.
T.C. BEGIN DIVIDED 7.59 mi.
HALEAKALA HWY (RTE 377) 7.61 mi.
Kuiki Jct. 7.76 mi.
OLD HALEAKALA HWY 7.78 mi.
KULA
KING KEKAULIKE HIGH SCHOOL MAKAʻENA PL 7.89 mi.
331+40 8.00 mi.
ECB 8.11 mi.
HAAKAKAI BRIDGE 8.17 mi.
8 MP 8.18 mi.
AʻAPUEO PKWY 8.27 mi.
END DIVIDED 8.37 mi.
OHANA STREET 8.41 mi.
HOOPALUA DRIVE 8.67 mi.
HIGHWAY
NOHOLOA STREET 8.93 mi.
OLD LOWER KULA ROAD 9.06 mi.
ECB 9.17 mi.
9 MP 9.24 mi.
PAVED ROAD 9.28 mi.
KALIALINUI BRIDGE 9.40 mi.
PAVED ROAD 9.56 mi.
DRIVEWAYS 9.86 mi.

CONTINUES ON SHEET #3
10.00 mi.

SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

Divided Highway Undivided

Shoulder: Width and Type

10' AC (5.00 – 5.16) | 10' AC (5.16 – 5.64) | 10' AC (5.64 – 5.85) | 10' AC (5.85 – 6.54) | 10' AC (6.54 – 6.92) | 2' AC (6.92 – 6.99) | 10' AC (6.99 – 7.47) | 2' AC (7.47 – 7.59) | 10' AC (7.59 – 7.78) | 6' AC (7.78 – 9.40) | 6' AC (9.40 – 10.00)

Pavement: Width and Type

24' AC (5.00 – 5.16) | 48' AC (5.16 – 5.64) | 12' AC (5.64 – 5.85) | 36' AC (5.85 – 6.54) | 12' AC (6.54 – 6.92) | 2' AC (6.92 – 6.99) | 12' AC (6.99 – 7.47) | 2' AC (7.47 – 7.59) | 12' AC (7.59 – 9.40) | 24' AC (9.40 – 10.00)

Shoulder: Width and Type

4' AC (5.00 – 5.16) | 0' (5.16 – 5.64) | 6'–10' AC (5.64 – 5.85) | 0' (5.85 – 6.54) | 0' (6.54 – 6.92) | 2' AC (6.92 – 6.99) | 0' (6.99 – 7.47) | 2' AC (7.47 – 7.59) | 0' (7.59 – 9.40) | 6' AC (9.40 – 10.00)

Median: Width and Type

12'–24' GRASS (5.00 – 5.16) | 24'–0' PAINT AC (5.16 – 5.64) | 8' PAINT AC (5.64 – 5.85) | 12' PAINT AC (5.85 – 6.54) | 12' PAINT AC (6.54 – 6.92) | 12' PAINT AC (6.99 – 7.47) | 12' PAINT AC (7.59 – 8.37)

Shoulder: Width and Type

8' AC (5.00 – 5.16) | 0' (5.16 – 5.64) | 0' (5.64 – 5.85) | 0' (5.85 – 6.54) | 0' (6.54 – 6.92) | 0' (6.99 – 7.47) | 0' (7.59 – 8.37)

Pavement: Width and Type

24' PCC (5.00 – 5.21) | 24' AC (5.21 – 5.64) | 24' AC (5.64 – 5.85) | 24' AC (5.85 – 6.54) | 24' AC (6.54 – 6.92) | 24' AC (6.99 – 7.47) | 12' AC (7.59 – 8.37)

Shoulder: Width and Type

6' AC (5.00 – 5.16) | 6'–10' AC (5.16 – 5.64) | 10' AC (5.64 – 5.85) | 10' AC (5.85 – 6.54) | 10' AC (6.54 – 6.92) | 10' AC (6.99 – 7.47) | 10' AC (7.59 – 7.78) | 6' AC (7.78 – 8.37) | 6' AC (8.37 – 9.40) | 6' AC (9.40 – 10.00)

Number of Traffic Lanes

4–12' (5.00 – 5.64)

1 – 12' (5.64 – 6.54)
1–12' AND 1–12' TRUCK CLIMBING LANE

2 – 12' (6.54 – 10.00)

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

(Right Side)

12' (6.54 – 6.89; 6.89 – 6.94; 7.19 – 7.22; 7.22 – 7.34; 7.55 – 7.76; 7.76 – 7.88)

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

Sidewalk: Width and Type (Right and Left)

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

5.85 | 5.89 M/M 7.22 | 7.44 M/M 7.71 | 7.76 8.15 | 8.19 M/M 8.55 | 8.65 8.85 | 8.98 9.30 | 9.35 M/C

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

8.15 –4 8.33 | 8.33 8.59 –3 8.79 | 8.79 9.02 –5 9.15 | 9.15 9.46 –3 9.92

~~Vertical Curve: Crest or Sag, Curve Limits~~ CONTRA FLOW LANES

CONTRA FLOW 5:30 – 8:30 AM ⟵ TRAFFIC (5.64)

Area and Development:

SMALL URBAN (5.64 – 9.40) | RURAL (9.40 – 10.00)

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

FLAT (5.00 – 5.05) | ROLLING (5.05 – 8.23)

Speed: 1–Design, 2–Posted

45 MPH (2) (5.00 – 6.73) | 35 MPH (2) (7.47 – 7.78) | 35 MPH (1) (7.78 – 8.23) | 45 MPH (2) (8.23 – 10.00)

Intersection Control Devices: Type, Location and Cycle Timing

3 PHASE (6.73) | 3 PHASE (7.23) | 3 PHASE (7.78) | 3 PHASE (8.04) | 3 PHASE (8.27)

Traffic Stations (Current Year)

B74 0037 00476 (5.00 – 5.64) | B74 0037 00564 (5.64 – 7.23) | B74 0037 00747 (7.23 – 7.78) | B74 0037 00776 (7.78 – 9.40) | B74 0037 00940 (9.40 – 10.00)

HPMS Sections – AADT 2009

19,800 | 12,600 | 13,135 | 12,100 | 12,300

HPMS Sections – AADT 2008

26,923 | 12,913 (7.47) | 12,913 | 26,721 | 12,121

HPMS Sections – AADT 2007

27,375 | 13,130 | 27,170 | 12,325

DOD Sections

DOD 705 (7.15 – 7.52) | DOD 700 (7.52 – 9.40)

Census Tracts

Functional Classification

PRINCIPAL ARTERIAL (3) (5.00 – 9.40) | MAJOR COLLECTOR (5) (9.40 – 10.00)

National Highway System (NHS)

ON NHS (1) (5.00 – 7.78) | NOT ON NHS (0) (7.78 – 10.00)

Previous Projects: Project No., Date and Limits

37C–02–90, 1993, NEW ALIGNMENT (5.00 – 5.66)
37C–02–90 1993 (NEW ALIGNMENT) (5.00 – 6.65)
37C–01–81M 1981 (RESURFACE) (5.00 – 7.54)
(37C–01–91 1992 RIGHT TURN LANE) (6.43 – 6.54)
WDRC 14(1) 1948 (5.00 – 7.15)
37C–01–92 1993 NEW ALIGNMENT (PHASE II) (5.66 – 7.91)
37C–01–97, 1998 (6.70 – 6.73; 6.85 –)
FAP 5B 1929 (7.15 – 7.43)
(RF–037–1(14) 1970) (7.60 –)
37C–02–82 INTER. IMPROV, (7.78 – 9.04)
37CD–01–80M 1980 RESURFACE (7.57 – 9.05)
37CD–01–02M, REPAIR & MAINT., 2004 (7.78 – 10.00)
STP–037–1(19) 1996 (6" SHLDR & GUARD RAILS) (9.04 – 10.00)
37C–01–88M 1988 RESURFACE (9.05 – 10.00)
BF–037–1(1) 1962 (9.05 – 10.00)

SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

Date Released
Oct 2004 GN

Revised	
Nov., 06	D.B.
Feb., 08	D.B.
Jan., 10	D.B.
Feb. 11	D.B.

ROAD INVENTORY

MAUI RTE 37

HALEAKALA HWY. & KULA 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

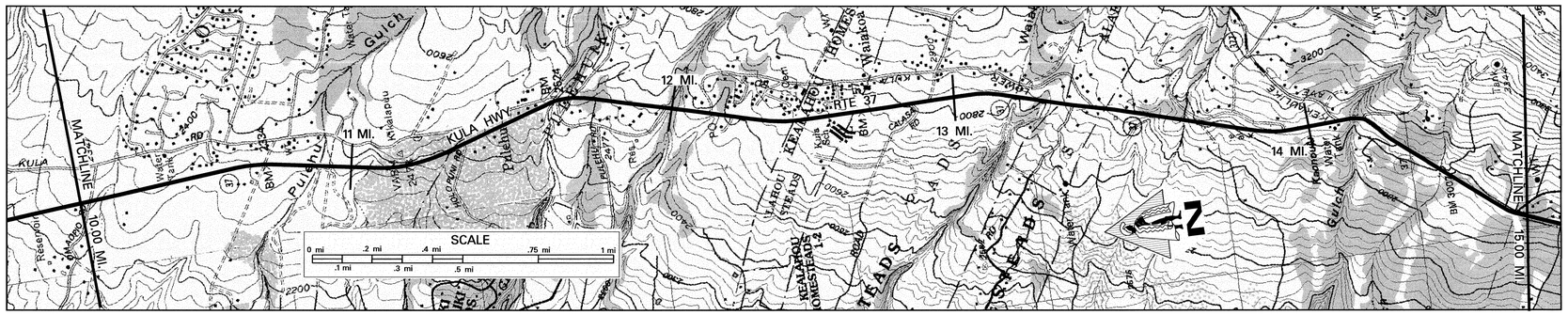
Total Route Length: 21.39 miles

a. Survey Length: 21.39 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 4" = 1 mile

10 | 11 | 12 | 13 | 14 | 15

Maintenance Control Sections : Length and Description

37C (9.25 MI)

14.25 END 37C – BEG. 37D ON KULA HWY AT THE CENTERLINE OF KEKAULIKE AVE

Structure Carrying Road

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

PRESTRESSED BEAM, 1964, HS-20, 164'

RC DECK GIRDER, 1933, H-15, 75'

Vertical Clearance

28'

24'

Structure Over Road

Horizontal Clearance

Vertical Clearance

Horizontal Clearance

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

90' – 270'

14.33 60'

Available Right of Way Width (Needs Study)

Right of Way Fence: Type – Right and Left (All fences: Wire on Wood (unless indicated))

PASTURE AND RANCH LANDS (11.93, 12.01, 12.18)

NONE (12.45, 12.75, 13.19, 13.36, 13.50, 14.17)

RESIDENTIAL (13.36, 13.60, 13.90, 14.35)

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

STATE

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

147 + 04.31

Project No., Type of Construction, and Year Constructed

14.26 37CDE–01–07M, RESURFACE, 2010

Project No., Type of Construction, and Year Constructed

37CD–01–02M, REPAIR & MAINT., 2004

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET # 2

10.00 mi.

OMAOPIO ROAD 10.03 mi.
KEONI PLACE (R) DRIVEWAY (L) 10.12 mi.
BEGIN DIVIDED 10.20 mi.
ROAD TO ENCHANTING GARDENS 10.25 mi.
10 MP
END DIVIDED 10.33 mi.
NAELE ROAD 10.45 mi.
PAVED ROAD 10.63 mi.
KULA HIGHWAY
HOLOPUNI ROAD 10.85 mi.
11 MP
ECB 11.31 mi.
11.29 mi.
11.28 mi.
KE STREET 11.45 mi.
LOWER KULA ROAD 11.65 mi.
KAMEHAMEIKI ROAD 11.78 mi.
KEAHUAIWI BRIDGE 12.02 mi.
LOWER KULA ROAD 12.17 mi.
POST OFFICE ROAD 12.23 mi.
12 MP 12.29 mi.
KULA ELEM. SCHOOL 12.58 mi.
KULA ELEM. SCHOOL 12.68 mi.
CALASA ROAD 12.85 mi.
COPP ROAD 12.95 mi.
13 MP 13.30 mi.
NAALAE ROAD 13.39 mi.
CULVERT 13.76 mi.
CULVERT 13.88 mi.
CULVERT 13.99 mi.
LOWER KULA ROAD 14.10 mi.
KEKAULIKE AVE (Route 377) 14.25 mi.
14 MP 14.30 mi.
14.33 mi.
KAIPOIOI BRIDGE 14.37 mi.
"ELEV. 3000" SIGN 14.65 mi.
14.66 mi.
15 MP 14.80 mi.
POLIPOLI ROAD 14.97 mi.

15.00 mi.

CONTINUES ON SHEET #4

SCALE: (In Miles) 4" = 1 mile

10 | 11 | 12 | 13 | 14 | 15

Divided Highway – Undivided

Shoulder: Width and Type

6' AC

2' – 6' AC

Pavement: Width and Type

24' AC | 12' AC | 24' AC | 14.26 24'–20' AC

Shoulder: Width and Type

6' AC | 0 | 6' AC | 2' – 6' AC

Divided Highway

Median: Width and Type

10.20 12' PAINT 10.48

Shoulder: Width and Type

0

Pavement: Width and Type

12' AC

Shoulder: Width and Type

6' AC

Number of Traffic Lanes

2 – 12'

14.26 2 – (12'–10')

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

10.27 10.40

(Right Side)

10.27 10.33

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

Sidewalk: Width and Type (Right and Left)

10.02 10.16 10.32 10.48 10.64 11.09 11.15 11.49 11.57 12.57 12.69 12.77 12.82 13.00 13.08 13.58 13.62 13.7 13.82 14.27 14.30 14.38 14.58 14.59 14.64 14.67 14.98

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

CONC. GUTTER 12.30 12.41

Protective Devices: Type, Location and Number METAL ON METAL / METAL ON CONCRETE

10.50 10.55 M/C 10.95 11.09 11.05 11.14 11.20 11.25 11.27 11.31

12.40 12.45 M/C 12.73 12.77

13.39 13.44 13.63 13.67

14.30 14.37 14.54 14.65 14.88 14.89 14.70

14.51 14.53

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

10.19 0 10.48 10.70 –2 10.86 11.28 –5 11.48

12.16 –5 12.32 12.49 –5 12.77

13.23 –4 13.36 13.39 –3 13.59

14.57 +4 14.73 14.78 –1 14.90

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL

Terrain: 1–Flat, 2–Rolling, 3–Mountainous ROLLING (12.84, 12.79)

Speed: 1–Design, 2–Posted 45 MPH (2) | 20 MPH (2) (12.49, 12.80) | 45 MPH (2) | 14.22 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year) (B74 0037 00940) B74 0037 01003 B74 0037 01268 B47 0037 01425 (B47 0037 01497)

HPMS Sections – AADT 2009 (12,300) 7,700 3,900 5,100 (2,500)

HPMS Sections – AADT 2008 (12,121) 7,253 5,168 5,070 (2,587)

HPMS Sections – AADT 2007 (12,235) 7,375 5,255 5,155 (2,630)

10.03 12.68 14.25 14.97

DOD Sections

Census Tracts

Functional Classification MAJOR COLLECTOR (5)

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

Previous Projects: Project No., Date and Limits

STP–037–1(21) RESURFACE 1999

STP–037–1(19) 1996 GUARDRAIL & SHOULDER

37C–01–88M 1988 RESURFACE

BF–037–1(1) 1962

14.33/14.33 STP–037–1(18) WIDEN & RESURFACE 1994

37D–01–75 1978 WIDEN & RESURFACE

14.31 FAP 13A 1932

SCALE: (In Miles) 4" = 1 mile

10 | 11 | 12 | 13 | 14 | 15

Date Released
Oct 2004 GN

Revised	
Nov., 06	*D.B.*
Dec., 10	*D.B.*
Feb. 11	*D.B.*

ROAD INVENTORY

MAUI RTE 37
HALEAKALA HWY & KULA HWY

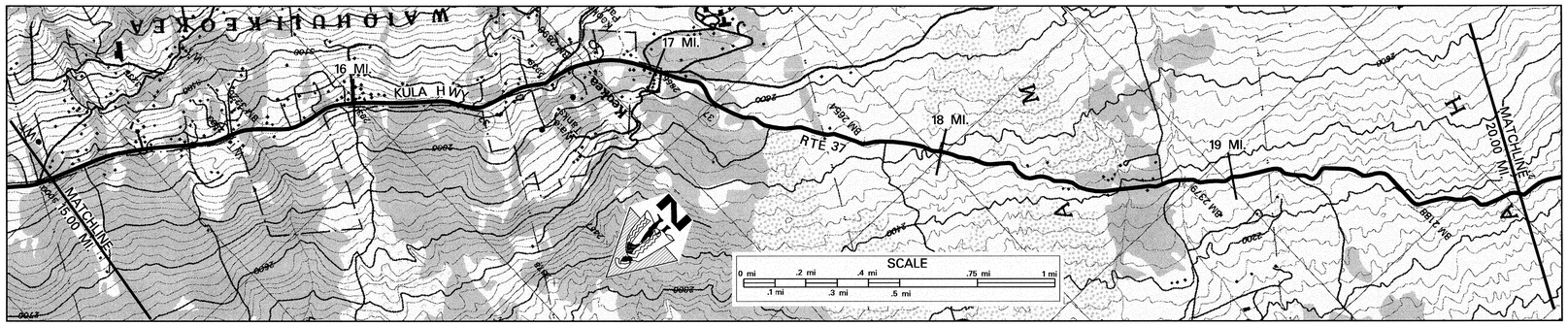
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 21.39 miles
a. Survey Length: 21.39 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 4" = 1 mile

15 | 16 | 17 | 18 | 19 | 20

Maintenance Control Sections : Length and Description

37D (2.77 MI) | 17.02 End 37D on Kula Hwy. at the centerline intersection w/ Kula Sanitorium Road

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
RC DECK GIRDER, 1933, H-15: 23' | 25'

Vertical Clearance

Horizontal Clearance
22' | 22'

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study)
RESIDENTIAL 15.98 | 16.28 | 16.52 | 16.48
17.16 | 17.67 | 17.03 | 17.60
STONEWALL
WIRE / WOOD AND STONEWALL
BRUSH AND PASTURE LAND 18.52 | 18.60 | 18.67 | 18.78

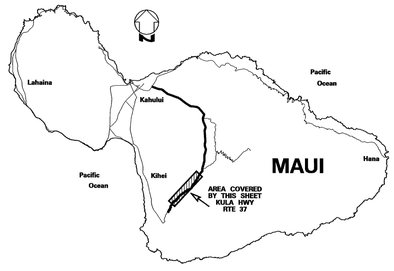
Right of Way Fence: Type – Right and Left (All fences: Wire on Wood unless indicated)

Control of Access: 1–None, 2–Partial, 3–Full
S T A T E

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

Project No., Type of Construction, and Year Constructed
37CDE–01–07M, RESURFACE, 2010

Project No., Type of Construction, and Year Constructed
37CD–01–02M, REPAIR AND MAINTENANCE, 2004



Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET #3 — 15.00 mi.

PUEO DRIVE CULVERT — 15.06 mi.
WAIOHULI "A" BR. — 15.10 mi.
LEPELEPE PLACE — 15.28 mi.
LAUʻIE DR. — 15.30 mi.
MALIA ULI PL. CULVERT — 15.32 mi.
MALAMAHALE PL. — 15.45 mi.
WAIOHULI "B" BR. — 15.60 mi.
MAUKANANI ROAD — 15.71 mi.
CULVERT — 15.81 mi.
KULA HIGHWAY MP 15.5 — 16.00 mi.
CULVERT — 16.12 mi.
MP 16 — 16.31 mi.
CROSS ROAD — 16.67 mi.
PAVED ROAD TO PARK — 16.81 mi. | 16.84 mi.
THOMPSON ROAD (ROAD TO KULA SANITORIUM) — 17.03 mi.
KAʻAMANA RD — 17.25 mi. | 17.29 mi.
(-110 + 85)
MP 17 — 17.81 mi.
MP 17.5 — 18.29 mi.
CULVERT — 18.66 mi.
KEALAKAPU ROAD (DOCTOR SUN YAT SEN MEMORIAL PARK) — 18.80 mi. | 18.82 mi.
MP 18.5 — 19.31 mi.
MP 19 — 19.81 mi.
MP 19.5

CONTINUES ON SHEET # 5 — 20.00 mi.

SCALE: (In Miles) 4" = 1 mile

15 | 16 | 17 | 18 | 19 | 20

Divided Highway – Undivided

Shoulder: Width and Type
2' – 6' AC | 2' AC

Pavement: Width and Type
24'–20' AC | 20' AC

Shoulder: Width and Type
2' – 6' AC | 2' AC

Divided Highway

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes
2 – (12'–10') | 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) (ALL GUTTERS 2' AC)

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

Illumination: Type, Location and Number
INCANDESCENT

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative
16.11 – 1 16.29

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
RURAL | SMALL URBAN

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)
B74 0037 01497 | B74 0037 01703

HPMS Sections – AADT 2009
2,500 | 1,416

HPMS Sections – AADT 2008
2,587 | 1,392

HPMS Sections – AADT 2007
2,630 | 1,415

DOD Sections

Census Tracts

Functional Classification
MAJOR COLLECTOR (5)

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

Previous Projects: Project No., Date and Limits
STP–037–1(18) WIDEN & RESURFACE 1994 | 37E–01–93M WIDEN & RESURFACE 1994
37D–01–75 1978 (WIDEN AND RESURFACE)
FAP 13A, 1932 | FAP E-13A 1932 | COUNTY

SCALE: (In Miles) 4" = 1 mile

15 | 16 | 17 | 18 | 19 | 20

Date Released
Oct 2004 GN

Revised	
Nov., 06	D.B.
Jan., 10	D.B.
Feb. 11	D.B.

ROAD INVENTORY
MAUI RTE 37
HALEAKALA HWY & KULA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
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FEDERAL HIGHWAY ADMINISTRATION

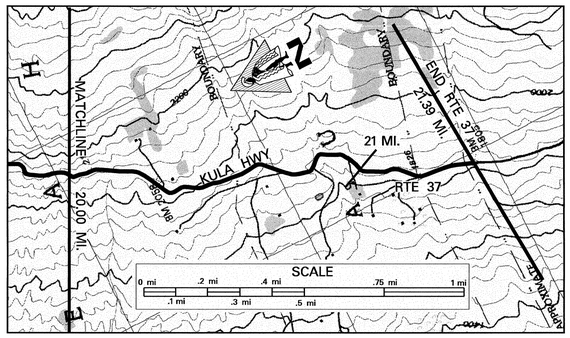
Total Route Length: 21.39 miles

a. Survey Length: 21.39 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 4" = 1 mile

20 | 21 | 22 | 23 | 24 | 25

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 — 60'

Available Right of Way Width (Needs Study) — BRUSH AND PASTURE LAND

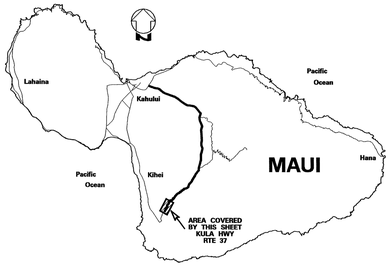
Right of Way Fence: Type – Right and Left — WIRE ON WOOD / WIRE ON WOOD (20.88)

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C) — STATE (-)225 + 98.17

Project No., Type of Construction, and Year Constructed — 37CDE–01–07M, RESURFACE, 2010 (21.39)

Project No., Type of Construction, and Year Constructed — 37E–01–93M RESURFACE 1994



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #4

20.00 mi.

KULA HIGHWAY

ECB

END STATE HWY SIGN

DRIVEWAY

20.32 mi. (20.0 MP)

20.76 mi. (20.5 MP)

20.94 mi.

21.21 mi.

21.20 mi. (21.0 MP)

21.33 mi.

21.39 mi.

END ROUTE 37 ON KULA HIGHWAY @ THE CENTERLINE OF MAKENA ROAD

SCALE: (In Miles) 4" = 1 mile

20 | 21 | 22 | 23 | 24 | 25

Divided Highway — Undivided

Shoulder: Width and Type — 2' AC

Pavement: Width and Type — 20' AC

Shoulder: Width and Type — 2' AC

Divided Highway

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes — 2 – 10'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: — Small Urban

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

Speed: 1–Design, 2–Posted — 25 MPH (1) (21.31 (NOT POSTED))

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year) — B74 0037 01703

HPMS Sections – AADT 2009 — 1,416

HPMS Sections – AADT 2008 — 1,392 (21.39)

HPMS Sections – AADT 2007 — 1,415

DOD Sections

Census Tracts

Functional Classification — MAJOR COLLECTOR (5)

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

Previous Projects: Project No., Date and Limits — COUNTY

SCALE: (In Miles) 4" = 1 mile

20 | 21 | 22 | 23 | 24 | 25

Date Released
Oct 2004 GN

Revised	
Nov., 06	D.B.
April, 09	D.B.
Jan., 10	D.B.
Feb. 11	D.B.

ROAD INVENTORY

MAUI RTE 310
NORTH KIHEI ROAD

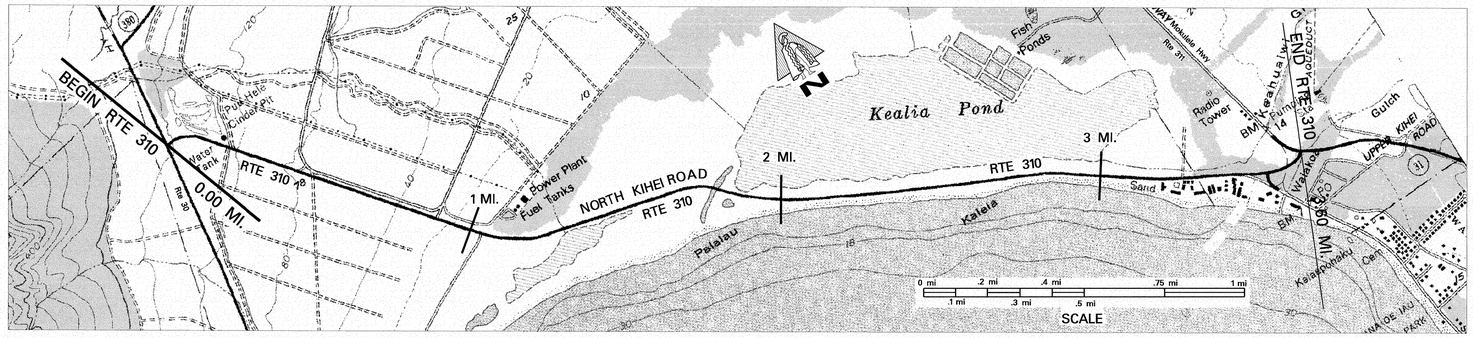
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length:	3.60	MILES (a+b)
a. Existing Length:	3.60	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	3.60	MILES (a+b, less c)
a. Existing Length:	3.60	MILES
b. Temporary Length:	0.00	MILES
c. Length used as T.W. for another Route:	0.00	MILES (–)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Maintenance Control Sections : Length and Description

0.10 Begin 310A on North Kihei Road @ End Divided Hwy — 310A (0.78mi.) — 0.88 End 310A, 0.88 Miles from Begin Rte 310 — None for County — 3.34 — 3.60

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

0.09 0.16 200' | 130' | 60' | 0.87 | 40' | 3.31 | 110' – 160' | 3.41 | 160'– 340'

Available Right of Way Width (Needs Study)

1000' Clear, Cane Field 30' from Pavement | 1.02 | Ranch & Pasture (L), Beach (R) | 3.14 | Rersort Area

Right of Way Fence: Type – Right and Left

1.08 Wire 1.34 | 1.52 Wire 2.04 | 2.59 Wire

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

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

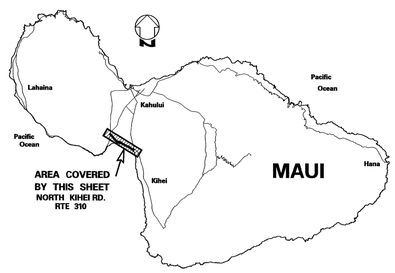
STATE

Project No., Type of Construction, and Year Constructed

STP–0310(4), PREVENTIVE MAINTENANCE, 2009 — 501+05 — 515+95 — 3.31 — NH–A311(4) WIDEN, 2008 — 3.60

Project No., Type of Construction, and Year Constructed

0.15 [BR–NH–030–1(24) New Alignment, 2002] — 310A–01–00M, (R) 2001 — 3.01 — STP–031–1(8), (R) 1996 — 3.28 — STP–0900(58),G.R. & SHLDR. IMP., 2004 — 3.54 — 513+20



Road Diagram
* MP=Milepost Signage

0.00 mi. Begin Rte 310 on North Kihei Road at the East edge of pavement of Honoapiilani Highway (Rte 30).

Paved Road End Divided Hwy Park & Ride Access — 0.17 mi. — 0.10 mi. — 0.08 mi.
Cane Haul Road — 0.46 mi.
Emergency Call Box — 0.76 mi.
Cane Haul Road — 0.87 mi.
Road to Maui Electric Co. — 1.04 mi. — 1.03 mi.

North Kihei Road

1MP

Road to Lookout Culvert — 1.75 mi.
Road to Lookout — 1.82 mi.
2MP — 1.90 mi. — 2.04 mi.

Indicates Grass & / or Physical Barrier on Median.

3MP

Begin Divided — 3.08 mi. — 3.06 mi.
Mokulele Hwy South Kihei Road — 3.45 mi.

508+27.45

End Rte 310 on North Kihei Rd. at the Southwest edge of pavement (Near Side) of Mokulele Highway (Rte 311) and Piilani Hwy (Rte 31) 3.60 mi.

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Divided Highway – Undivided

- Shoulder: Width and Type — 10' AC — 0.15 — 6' AC — 3.31 — 6' AC
- Pavement: Width and Type — Note: Pavement Widths Include Turning Lanes from 0.00 to 0.10 — (42' AC) — 36' AC | 24' AC — 22' AC — 12' AC | 3.34 | 24' AC
- Shoulder: Width and Type — 0.03 — 0 | 10' AC — 6' AC — 0'

Divided Highway – Median

- Median: Width and Type — 0'–10' Painted AC — 0.95 — 3.08 — 0'–12' Painted AC — 3.45 — 12'–24' Painted AC — 3.60

Divided Highway – Undivided

- Shoulder: Width and Type — 0.03 — 0 — 0'
- Pavement: Width and Type — Note: Pavement Widths Include Turning Lanes from 0.00 to 0.10 — (16' AC) — 24' AC — (12' AC) — 12' AC | 3.48 | 24' AC | 12' AC
- Shoulder: Width and Type — 10' AC — 0.08 — 0.15 — 10' AC | 3.34 | 3.38 | 6' AC | 3.52

Number of Traffic Lanes

(3–14') (1–16') | 3–12' | 1–12' | (2–12') — 2–11' — 2–12' — 3.45 | 2–12' | 1–12'

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

1–14' (R) TL, 2–14' (L) TL — 1–12' (R) TL, 2–12' (L) TL — 3.86 — All 12' Turning Lanes

(Right Side)

1–12' (R) TL — 0.29 — 0.38 — Two–Way (L) Turning Lanes — 3.52 — All 12' Turning Lanes

3.35 | 3.34 | 3.46 | 3.53 — 1–12' TL — 2–12' TL

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

3.15 — 4 M.V. — 3.41 — 9 HPS

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

–3 | 0.93 | 1.29 | 0 | 1.64 | 2.00 | –1 | 2.25 | 2.38 | 0 | 2.78

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban

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

Speed: 1–Design, 2–Posted — 45 MPH (2) — 3.02 — 30 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

0.00 3 Phase — 3.10 — 3 Phase — 3.45 — 3.60 4 Phase

Traffic Stations (Current Year)

(B74 0310 00000) — B74 0310 00010 — B74 0310 00308 — B74 0310 00334

HPMS Sections – AADT 2009

(15,300) — 18,692 — 18,292 — 18,292

HPMS Sections – AADT 2008

(18,376) — 0.10 — 18,376 — 3.08 — 17,983 — 3.34 — 17,983

HPMS Sections – AADT 2007

18,685 — 1.75 — 12,325 — 3.10 — 18,285

DOD Sections

Census Tracts

Functional Classification: Minor Arterial (4)

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

Previous Projects: Project No., Date and Limits

0.11 — 310A–01–00M, (R) 2001 — 3.01

[310A–01–91M (R) 1992] — 0.05 — STP–031–1(8), (R) 1996 — 3.28

2.95 — 2.95 — STP–031–1(8), (R) 1996

310A–01–91M (R), 1992

HWY–M–02–76M (R) 1976 — 3.32 — [TQF–RF–031–1(6), 1981 (New Construction)]

WDRC 14(1) 1948 — County — 3.54 — 3.60

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Date Released
July 2002, DB

Revised	
Aug. 04	D.B.
Nov., 06	D.B.
Mar., 08	D.B.
Jan., 09	D.B.
Jan., 10	D.B.
Feb. 11	D.B.

ROAD INVENTORY

MAUI RTE 311

PUUNENE AVENUE, MOKULELE 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

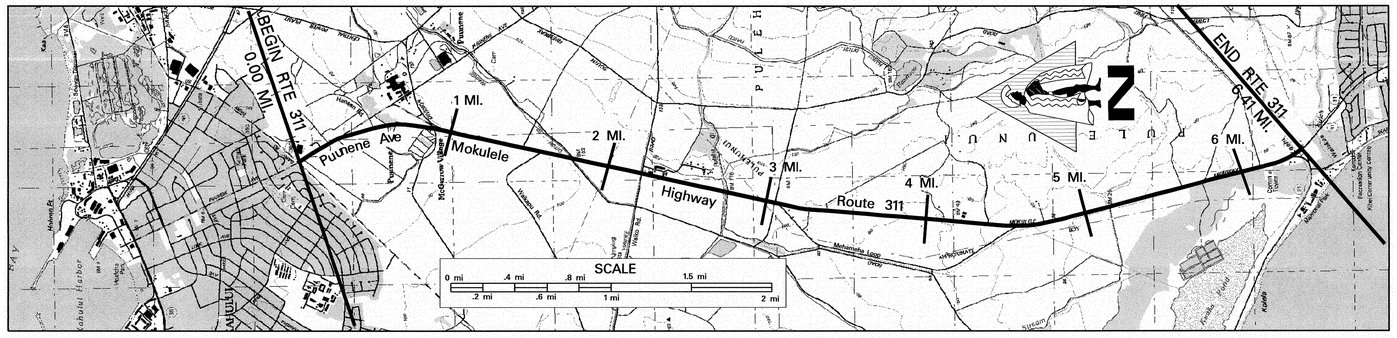
Total Route Length: 6.41 miles

a. Survey Length: 6.41 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Maintenance Control Sections : Length and Description

Structure Carrying Road

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

10 CELL, CONC. BOX CULVERT | 3 Cell Conc. Box Culvert 2008 | 8 Cell Conc. Box Culvert | 3 Cell Conc. Box Culvert | 9 Cell Conc. Box Culvert 2008

Vertical Clearance

134'–3" | 113'(Headwall Length) | 38' | 107' | 30' | 118'

Horizontal Clearance

106'–8" | 106'–8" | 106' | 106' | 141'–10"

Structure Over Road

Vertical Clearance

192'(Headwall Length)

Horizontal Clearance

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

200' – 218' | 240' | (240'–400')

Available Right of Way Width (Needs Study)

Right of Way Fence: Type – Right and Left

Chain Link | Chain Link | Chain Link

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

None

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

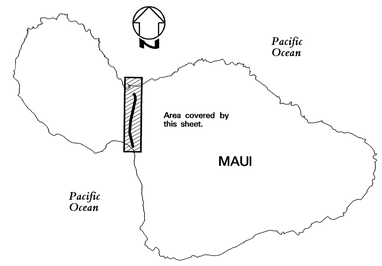
170+00 State 264+51 318+25 323+13.19

Project No., Type of Construction, and Year Constructed

NH–A311(6), Widen, 2008 | (NH–A311(4), Widen, 2008)

Project No., Type of Construction, and Year Constructed

NH–A311(3), Widening, 2003 | 70+00 | NH–0311(5), WIDENING, 2005 | 181+15.32 | 311A–01–93M, Resurf., 1993 | 258+50 | NH–311–(7), WIDENING, 2006 | (311A–01–93M, Resurf., 1993)



Road Diagram

* MP = Milepost Signage

Begin Rte 311 on Puunene Ave at the Southeast edge of pavement of Kuihelani Highway (Rte 380).

Ho'okele St. | Hansen Road | Cane Haul Rd. & T.C. | Cane Haul Rd. | Cane Haul Rd. | MAUI BASEYARD ROAD | Pulehu Box Culvert | Beg. Grass Median | Mahinahina Loop (Alternate Rte.) (R) | Kamaaina Rd. (L) | MOKULELE HWY | End Grass Median | Beg. Grass Median | Mahinahina Loop (R) | Maui Raceway Park (L) | Culvert | Service Road Kolaloa Gulch Culvert | End Grass Median | Keala Pond Road Culvert (R) | Beg. Grass Median | Kaphuawai Gulch

PUUNENE AVENUE — MOKULELE HWY

Indicates Grass & / or Physical Barrier on Median.

Centerline Culvert | Centerline Culvert | Centerline Culvert

End Route 311 on Mokulele Hwy. at the Centerline Intersection with Piilani Hwy. (Rte 31 & 310)

6.41 mi.

SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Divided Highway — Undivided

Shoulder: Width and Type

8' AC | 8' AC

Pavement: Width and Type

24' AC | 24' AC

Shoulder: Width and Type

4' AC

Median: Width and Type

(16' AC Paint) 16' Grs. 12' AC | 16' Grass | 12' Paint AC | 16' Grass | 12' Painted AC | 16' Grass Flush | 12'–24' Painted AC | 16' Grass Flush | 24' Painted AC | (10'–25' Grass Flush)

Shoulder: Width and Type

4' AC

Pavement: Width and Type

24' AC | 24' AC

Shoulder: Width and Type

8' AC | 8' AC

Number of Traffic Lanes

4–12' | 4–12'

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)

10' AC Bike Route (12' AC Bike Route) | 10' AC Shared–Use Path

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Metal on Metal | Metal on Metal

Illumination: Type, Location and Number

11 HPS | 3 MV | (6 HPS)

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

Small Urban

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

Flat

Speed: 1–Design, 2–Posted

30 MPH (2) | 45 MPH (2) | (40 MPH (1))

Intersection Control Devices: Type, Location and Cycle Timing

4 Phase | 4 Phase | 2 Phase | 3 Phase | 3 Phase | 3 Phase | 4 Phase

Traffic Stations (Current Year)

B74 0311 00000 | B74 0311 00058 | B74 0311 00221

HPMS Sections – AADT 2009

21,700 | 28,696 | 28,902

HPMS Sections – AADT 2008

16,886 | 28,211 | 28,413

HPMS Sections – AADT 2007

17,170 | 28,685 | 28,890 | 28,685 | (28,685)

DOD Sections

Census Tracts

Functional Classification

Principal Arterial (3)

National Highway System (NHS)

Not on NHS (0) | On NHS (1)

Previous Projects: Project No., Date and Limits

NH–A311(3), Widening, 2003 | 311A–01–93M, Resurf., 1993

311A–02–93 Imprv. 1994 | RS–0311(1), Resurf., 1986 | SOS–0900(21), 1984 Safety Imprv.

311A–01–93M, Resurf., 1993

County

SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Date Released
Feb 2004, D.B.
Revised
May 04 D.B.
Sept 04 D.B.
Feb., 06 D.B.
Nov., 06 D.B.
Mar. 09 D.B.
Jan., 10 D.B.
Feb. 11 D.B.

ROAD INVENTORY

MAUI RTE 340
KAHEKILI 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

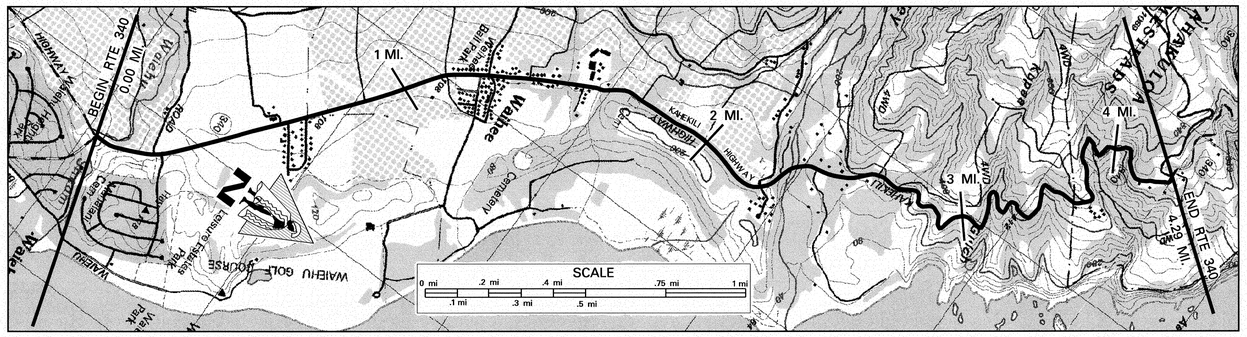
Total Route Length: 4.29 miles

a. Survey Length: 4.29 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 340 C on Kahekili Hwy 350' South of centerline intersection with Waiehu Beach Rd. | 340 C (2.49 MI) | End 340 C 320' North of North end of Waihee Bridge #2

Structure Carrying Road

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

CULVERT 1967 HS20 34' | CULVERT 10' | PRESTRESSED BEAM 1967 HS20 245'

Vertical Clearance

Horizontal Clearance

24' | 28'

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

70' – 240' | 80' – 200' | 40'

Available Right of Way Width (Needs Study)

CLEAR 1000' SUGAR, 25' FROM PAVEMENT | RES. AREA | HEAVY BRUSH AND TREES / PASTURE BEYOND

Right of Way Fence: Type – Right and Left

CHAINLINK 10' FROM PAVEMENT

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)

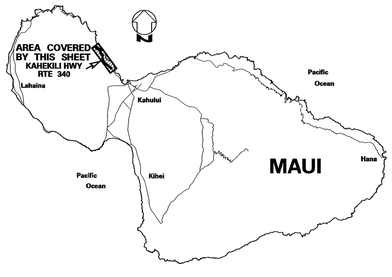
S T A T E

Project No., Type of Construction, and Year Constructed

0+00 | PERMIT MA-05-17, IMP., 2006 | PERMIT #MA-07-15, IMPRVTS., 2008 | 226+50

Project No., Type of Construction, and Year Constructed

340D-01-05M, RESURF., 2007



Road Diagram

* MP = Milepost Signage

BEGIN ROUTE 340 ON KAHEKILI HIGHWAY AT THE CENTERLINE JUNCTION WITH WAIEHU BEACH ROAD AT WAILUKU URBAN BOUNDARY. (SAME LOCATION AS END ROUTE 340)

0.00 mi.

HOAUNA STREET | MALAIHI ROAD | RD TO CEMETERY | WAIEHU STR. CULVERT | ECB | BEGIN DIVIDED | END DIVIDED | BEGIN DIVIDED NA 'WAI 'EHA PL. | END DIVIDED | AKAKUU PL. (R) | Road (L) | BEGIN DIVIDED KOHOMUA STREET | END DIVIDED | BEGIN DIVIDED KUHINIA ST. | END DIVIDED | BEGIN DIVIDED HALEWAU ROAD | END DIVIDED | WILIPOHAKU ST. | CULVERT | PAVED ROAD | UNPAVED ROAD | UNPAVED ROAD | CULVERT | ECB | WAIHEE VALLEY RD | PAVED ROAD | WAIHEE BRIDGE #2 | PAVED ROAD | CULVERT | CULVERT | CULVERT | ECB | CULVERT | CULVERT | CULVERT | CULVERT | CULVERT | RD TO "CAMP MALUHIA (L)" & "END STATE HWY" SIGN (R) | ECB

KAHEKILI HIGHWAY | OKI PLACE

3 MP | 4 MP | 5 MP | 6 MP | 11+20 | 177+20

4.29 mi.

END ROUTE 340 ON KAHEKILI HIGHWAY AT THE CENTERLINE ENTRANCE TO CAMP MALUHIA.

0.05 mi. | 0.13 mi. | 0.18 mi. | 0.21 mi. | 0.33 mi. | 0.34 mi. | 0.40 mi. | 0.44 mi. | 0.47 mi. | 0.58 mi. | 0.59 mi. | 0.62 mi. | 0.67 mi. | 0.70 mi. | 0.77 mi. | 0.80 mi. | 0.92 mi. | 1.07 mi. | 1.09 mi. | 1.10 mi. | 1.15 mi. | 1.24 mi. | 1.28 mi. | 1.37 mi. | 1.51 mi. | 1.53 mi. | 1.78 mi. | 1.90 mi. | 1.97 mi. | 2.01 mi. | 2.10 mi. | 2.21 mi. | 2.30 mi. | 2.31 mi. | 2.37 mi. | 2.42 mi. | 2.64 mi. | 3.19 mi. | 3.30 mi. | 3.31 mi. | 3.36 mi. | 3.50 mi. | 3.69 mi. | 3.87 mi. | 4.05 mi. | 4.14 mi. | 4.28 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type

6' AC | 2'–4' GRS | 2'–6' AC | 2'–4' GRS | 6' AC | 2'–4' GRS | 2' AC | 0 | 2' AC | 2' AC & 10' Grass | 2' AC | 2' – 4' AC

Pavement: Width and Type

24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 22' AC | 20' AC

Shoulder: Width and Type

6' AC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8' AC | 4' AC | 2' AC | 2' AC & 10' Grass | 2' AC | 2' – 4' AC

Divided Highway

Median: Width and Type

10' PAINT | 10' PAINT | 10' PAINT | 8' PAINT | (0)

Shoulder: Width and Type

0 | 0 | 0 | 0 | 0

Pavement: Width and Type

12' AC | 12' AC | 12' AC | 12' AC | (12' AC) | (11' AC)

Shoulder: Width and Type

6' AC | 0 | 0 | 0 | 0

Number of Traffic Lanes

2 – 12' | 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)

4' CONC. S.W. | 4'–6' CONC. S.W.

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

2' CONC. GUTTER/CURB | 6' CONC. GUTTERS | 3' CONC. GUTTERS | 3' AC GUTTER

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

Illumination: Type, Location and Number

M/M | 7 MV | 1 MV

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

SMALL URBAN | Rural

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

ROLLING | FLAT | ROLLING | MOUNTAINOUS

Speed: 1–Design, 2–Posted

35 MPH (2) | 30 MPH (2) | 35 MPH (2) | 30 MPH (2) | (25 MPH (2)) | 20 MPH (2) | NOT POSTED | 20 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

B74 0340 00000 | B74 0340 00124 | B74 0340 00221 | B74 0340 00242

HPMS Sections – AADT 2009

6,600 | 1,700 | 1,100 | 770

HPMS Sections – AADT 2008

4,770 | 4,967 | 1,692 | 1,097

HPMS Sections – AADT 2007

4,850 | 5,050 | 1,720 | 1,115

DOD Sections

Census Tracts

Functional Classification

MAJOR COLLECTOR (5)

National Highway System (NHS)

NOT ON NHS (0)

Previous Projects: Project No., Date and Limits

(3400B-01-97M, RESURFACE, 1998) | 340D-01-93M, RESURFACE, 1994

S-0341(3) | COUNTY | S-0330(2) | COUNTY

1966 | 1967

SCALE: (In Miles) 4" = 1 mile

Date Released
Oct 2004 GN

Revised	
Nov. 06	*D.B.*
Feb. 08	*D.B.*
Dec. 09	*D.B.*
Feb. 11	*D.B.*

ROAD INVENTORY

MAUI RTE 360
HANA 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

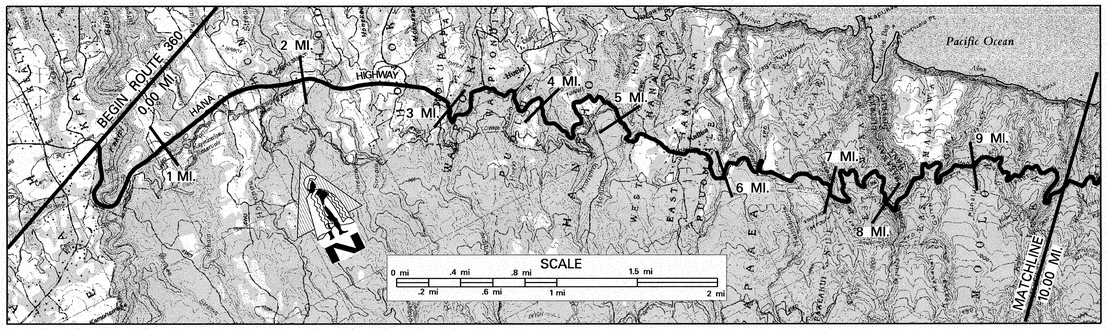
Total Route Length: 34.93 miles

a. Survey Length: 34.93 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Maintenance Control Sections : Length and Description

36 C (5.87 mi.) (Old FAP 36) | 360 A (12.20 mi.)

Structure Carrying Road

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

Culvert 1966 HS 20 | Steel Multistringer 1941 HS 20 | Tee Beam 1929 | Tee Beam 1929 – H15 | Tee Beam 1930 – H15 | Tee Beam 1925, H15 | Slab 1928, H15 | Tee Beam 1928, H10 | Slab 1911, H15

Vertical Clearance

33′ | 210′ | 49′ | 40′ | 64′ | 30′ | 18′ | 22′ | 41′

Horizontal Clearance

24′ | 24′ | 16′ | 20′ | 19′ | 20′ | 16′ | 15′ | 12′

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

80′–360′ | 80′–160′ | 50′–135′ | 50′ | 40′

Available Right of Way Width (Needs Study)

Cliffs / Pasture Area | Res. Area | Bushes & Trees

Right of Way Fence: Type – Right and Left W/W = Wire on Wood

Wire | W/W | W/W | W/W | W/W | W/W | W/W | W/W | W/W | W/W

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

360A–01–94M, 1995 (Resurfacing & Improvements) | (360A–02–05M, (R), 2007)—

Project No., Type of Construction, and Year Constructed

STP–0900(39), (R) 1996 | 360A–01–80, 1981 | 360A–01–82, 1983 (Imprv.) & 360A–01–83M, 1983 (Resurfacing)

Road Diagram

* MP = Milepost Signage

BEGIN RTE 360 ON HANA HIGHWAY AT THE CENTERLINE JUNCTION WITH KAUPAKALUA ROAD (SAME AS END RTE 36).

0.00 mi.

ECB | Culvert | Gated Driveway | Gated Driveway | Road | Uaiena Lp. | Hoolawa Br. | Uaiena Loop 2.63 mi. | E. Waipio Rd. | Culvert | Hoalua Bridge | Culvert | Driveway | Kailua Bridge | Naiilihaele Br. | PA Culvert | Opuola Br. | Makenaii Br. | Kaalea Br. | Culvert | Kalea Culvert | Waikamoi Br. Trail (R) | Waikamoi Br.

HANA HIGHWAY

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

374 + 55

0.02 mi. 0.45 mi. 0.69 mi. 1.02 mi. 1.43 mi. 1.67 mi. 1.89 mi. 2.01 mi. 2.14 mi. Honolaa 2.63 mi. 3.01 mi. 3.38 mi. 3.96 mi. 4.27 mi. 4.94 mi. 5.09 mi. 5.43 mi. 5.71 mi. 5.86 mi. 6.22 mi. 6.31 mi. 7.06 mi. 7.89 mi. 7.94 mi. 8.24 mi. 8.57 mi. 8.92 mi. 9.16 mi. 9.26 mi. 9.46 mi. 9.88 mi. 9.92 mi.

CONTINUED ON SHEET #2.

SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Divided Highway

Undivided

Shoulder: Width and Type

6′–8′ AC | 2′ AC | 2′–4′ Grs. | 0 | 2′–4′ Grs. | 0–2′ Grass | 2′–4′ Grs. | 0–2′ Grass

Pavement: Width and Type

24′ AC | 20′ AC | 18′ AC

Shoulder: Width and Type

4′–6′ AC | 6′–8′ AC | 4′–6′ AC | 2′–4′ AC | 0–2′ 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′ | 2–10′ | 2–9′

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

(C. C&G) | Conc. C&G | (Conc. C&G) | Concrete Barrier | Masonry Wall | Masonry Wall

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

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

1.19 | + 3 | 1.27

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

Small Urban | Rural

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

Mountainous

Speed: 1–Design, 2–Posted

35 MPH (2) | Not Posted | 25 MPH (2) | 15 MPH (2) | 15 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

B74 0360 00000 | B74 0360 00263

HPMS Sections – AADT 2009

2,731 | 950

HPMS Sections – AADT 2008

2,685 | 1,593

HPMS Sections – AADT 2007

2,730 | 1,620

DOD Sections

Census Tracts

Functional Classification

Major Collector (5)

National Highway System (NHS)

Not on NHS (0)

Previous Projects: Project No., Date and Limits

S-0360 (4), 1963 | S-0360(3), 1963 | F-32 (2), 1946,1957 | 360A–01–86M, (R) 1986 | (Job #5839, 1956) | 360A–01–80, (Imprv) 1981 | C-360–01–63, 1967 | County | 360A–01–94M, 1995 (Resurfacing & Improvements) | A–360–01–62,1962 | (360AB–01–00M, 2002, Repairs & Maintenance)

30 + 40 | 48 + 64.21 | 219 + 00 | 319 + 00 | 0 + 00 | 130 + 72.45

SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Date Released
Oct. 2003, D.B.

Revised	
Sept. 04	D.B.
Nov., 06	D.B.
Dec. 09	D.B.
Feb. 11	D.B.

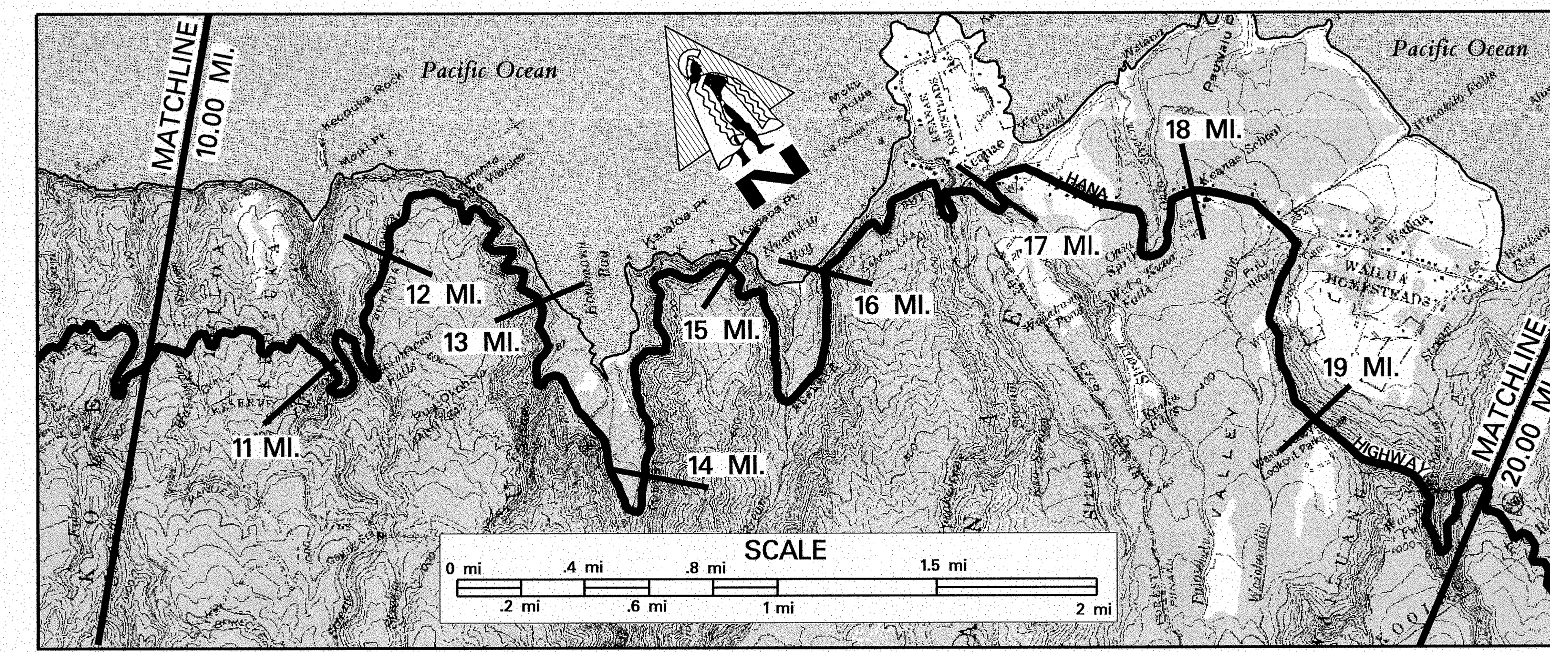
ROAD INVENTORY
MAUI RTE 360
HANA HIGHWAY

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

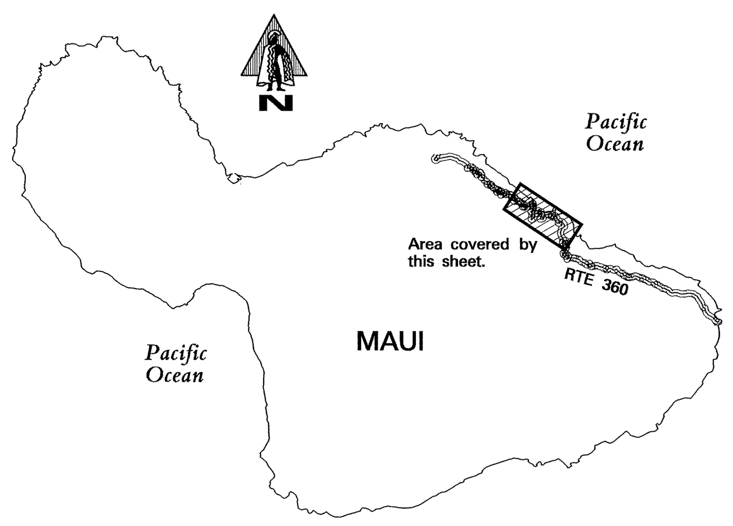
Total Route Length: 34.93 miles
a. Survey Length: 34.93 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*



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

Item	Data (milepoints)
Maintenance Control Sections: Length and Description	360 A (12.20 mi.); End 360A & Begin 360B on Hana Hwy at the Southeast End of Waiokamilo St. Bridge. 360 B (16.57 mi.)
Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed	Tee Beam 1912, H15, 56' (10.97); Tee Beam 1912, H15, 34' (11.44); Tee Beam 1911, H15, 34' (13.16); Tee Beam 1911, H15, 48' (13.71); Tee Beam 1911, H15, 35' (15.39); Tee Beam 1916, H15, 28' (16.60); Tee Beam 1916, H15, 31' (16.77); Tee Beam 1921, H15, 24' (18.07); Cantilevered Conc. Deck 2006, HL-93, 100' (18.93); Conc. Masonry Arch 1926, H15, 108' (19.39)
Vertical Clearance	
Horizontal Clearance	15' (10.97); 12' (11.44); 12' (13.16); 12' (13.71); 21' (15.39); 19' (16.60); 20' (16.77); 22' (18.07); 22' (18.93); 17' (19.39)
Structure Over Road — Vertical Clearance	
Horizontal Clearance	
Right of Way Width (min.–max.) if varies	(40'–115') 14.19 – 14.31; 40'
Available Right of Way Width (Needs Study)	Bushes & Trees; 16.90 Res. Area 17.29 Heavy Brush & Trees; Res. Area 18.04; Heavy Brush, Trees & Steep Cliffs
Right of Way Fence: Type – Right and Left	10.29 Wire 10.73; 11.07 – 11.20 (ROCKFALL PROTECTION); 16.95 – 17.11; 17.18 – 17.32; 17.73
Control of Access: 1–None, 2–Partial, 3–Full	None
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	State; 13.93 13.98; (360AB-02-03M Roadway Deck, 2006) (765+94.12) (766+94.15)
Project No., Type of Construction, and Year Constructed	360A-02-05M, RESURF., 2007; (589+00) 14.08 (360AB-01-00M (Repairs & Maintenance) 2002); (360B-01-93M (R) 1994) 18.93; 18.95 (360B-01-95M (R) 1997)
Project No., Type of Construction, and Year Constructed	360A-01-94M, 1995 Resurfacing & Improvements 13.92; 360AB-01-98M (R) 1999; (360AB-01-88 (Resurf & Improv.) 1990) 18.61; 18.74; 19.38

Road Diagram



* MP = Milepost Signage

CONTINUED FROM SHEET #1.

HANA HIGHWAY

- 10.18 mi. Culvert
- 10.49 mi. "Garden of Eden" Aboretum
- 10.94 mi. / 10.97 mi. Puohakamoa Br. (11 MP)
- 11.44 mi. Haipuaena Br.
- 11.86 mi. / 11.89 mi. Culvert (12 MP (Post Only))
- 12.14 mi. Kaumahina Wayside Park Rd.
- 12.31 mi. Culvert
- 12.56 mi. Culvert
- 12.68 mi. Culvert
- 12.88 mi. (13 MP)
- 13.16 mi. Kolea Br.
- 13.37 mi. Dirt Road
- 13.48 mi. Culvert (577+25)
- 13.71 mi. Honomanu Br.
- 13.87 mi. (14 MP)
- 13.94 mi. Campground Rd.
- 14.33 mi. Culvert
- 14.47 mi. Culvert
- 14.70 mi. Culvert
- 14.86 mi. / 14.87 mi. Culvert (15 MP)
- 15.39 mi. Nuaailua Br.
- 15.42 mi. Culvert
- 15.55 mi. Culvert
- 16.11 mi. Culvert
- 16.30 mi. To County Garage
- 16.46 mi. Keanae Arboretum (R)
- 16.55 mi. Keanae Home Rd.
- 16.60 mi. Piinaau Br.
- 16.77 mi. Palauhulu Br.
- 16.84 mi. Culvert
- 16.88 mi. Culvert
- 16.91 mi. Culvert (17 MP)
- 16.98 mi. Culvert
- 17.08 mi. Culvert
- 17.25 mi. "Half Way to Hana" Fruit Stand (Wainau)
- 17.32 mi. Culvert
- 17.50 mi. / 17.52 mi. / 17.53 mi. / 17.57 mi. Conc. Bridges
- 17.70 mi. Culvert
- 17.77 mi. Keanae School
- 17.88 mi. (18 MP)
- 17.95 mi. Culvert
- 18.07 mi. Waiokamilo Br.
- 18.09 mi. / 18.10 mi. Culvert
- 18.12 mi. / 18.25 mi. Rds. to Wailua Homesteads; Culvert
- 18.45 mi. Culvert
- 18.56 mi. Culvert
- 18.59 mi. Culvert
- 18.80 mi. Rd to Keanae Valley Lookout ("Wailua Valley State Wayside") (19 MP)
- 18.87 mi. / 18.93 mi. Concrete Deck
- 19.06 mi. Wailua Valley Lookout (L)
- 19.39 mi. Waikani Br.
- 19.94 mi. (20 MP)

CONTINUED ON SHEET #3.

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

Item	Data (milepoints)
Divided Highway — Undivided — Shoulder: Width and Type	0–2' Grass; 16.93 2' AC 17.22 2' Grs. 17.41 0 17.76 2'–4' Grs. 18.18 0–2' Grass
Pavement: Width and Type	18' AC 13.92 16' AC 20' AC; 16' AC 18.74 18' AC 19.42 16'–18' AC
Shoulder: Width and Type	0–2' Grass 14.19 2' AC 14.31 0–2' Grass 15.81 15' Grv. 16.08 0–2' Grass 16.92 2'–4' Grs. 17.30 0–2' Grass
Median: Width and Type	
Median Barriers:	
Shoulder: Width and Type	
Pavement: Width and Type	
Shoulder: Width and Type	
Number of Traffic Lanes	2–9' 13.92 2–8' 14.19 2–10' 14.31 2–8' 18.74 2–9' 19.42 2–(8'–9')
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	
(Right Side)	
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	
Curb and/or Gutter: Type (Right and Left)	4' AC Gutter 12.11 12.14; 4' Conc. Swale 12.79 12.82; (Conc. Gutter) 14.18 14.28; 4' Conc. Gutter 15.86 16.03; 8' AC Gutter 17.08 17.18; 2' Conc. Curb & Gutter 19.36 19.41; (Conc. Gutter) 19.82
Protective Devices: Type, Location and Number — Metal Rails on Metal Posts Unless Otherwise Noted.	10.09; 10.60 10.64; 10.74 10.94; 11.00 11.14; 11.24 11.28; Concete Barrier 11.30 11.36; Masonry Wall 11.45 11.83; 12.14 12.02 13.06 Masonry Wall; 13.19 13.53; 13.74 13.79; 13.96 14.61; 14.19 14.20 14.29 (Conc. Barrier); 14.71 14.82; 14.87 14.93; 14.97 15.03; 15.10 15.19; 15.23 15.43; 15.48 15.56; 15.61 15.86; 15.88 15.92; Gabion Retaining Wall 15.89 15.90 15.95 (Conc. Barrier); 16.10 16.25; 16.35 16.42; 16.48 16.59; 16.56 16.58; 16.63 16.85; 16.89 16.95; 17.22 17.23; 17.41 17.48; Masonry Wall 17.57 17.74; 17.55 17.58; 18.08 18.09 18.11; 18.25 18.45; Masonry Walls 18.56 18.90 18.92 19.08 19.26 19.44 19.71; 19.88 19.93
Illumination: Type, Location and Number	
Curves: Degree of Curvature (Right and Left)	
Superelevation (Range)	
Grades: % Grade, Positive or Negative	
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	Rural
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Mountainous
Speed: 1–Design, 2–Posted	15 MPH (2) 13.40 30 MPH (2) 17.22 35 MPH (2) 18.32 15 MPH (2); 15 MPH (2) 17.00 30 MPH (2) 19.77 15 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Stations (Current Year)	B74 0360 00263; 13.37 B74 0360 01337; 16.30 B74 0360 01630; 17.77 B74 0360 01777; 19.39 B74 0360 01939
HPMS Sections – AADT 2009	950; 1,300; 640; 1,300; 1,200
HPMS Sections – AADT 2008	1,593; 1,692; 1,490; 1,490; 1,692
HPMS Sections – AADT 2007	1,620; 1,720; 1,515; 1,515; 1,720
DOD Sections	
Census Tracts	
Functional Classification	Major Collector (5)
National Highway System (NHS)	Not on NHS (0)
Previous Projects: Project No., Date and Limits	11.07 – 11.20 (360AB-02-98, 2005, ROCKFALL MITIGATION); 360A-01-82, 1983 (Improv.) & 360A-01-83M, 1983 (Resurface); 13.96 14.19 – 14.31 (360A-04-95, (Realignment) 1999); 15.84 – 16.03 (360A-01-97 (Improv.) 1999); 13.92 360AB-01-88 (Resurface & Improv.) 1990; 18.74 360B-01-93M, 1994 (R) 19.42; 19.61 360B-01-85, 1986; County

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

Date Released	
Oct 2003, D.B.	
Revised	
Sept. 04	D.B.
FEB. 06	D.B.
Nov., 06	D.B.
Feb., 08	D.B.
Dec. 09	D.B.
Feb. 11	D.B.

ROAD INVENTORY

MAUI RTE 360
HANA 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

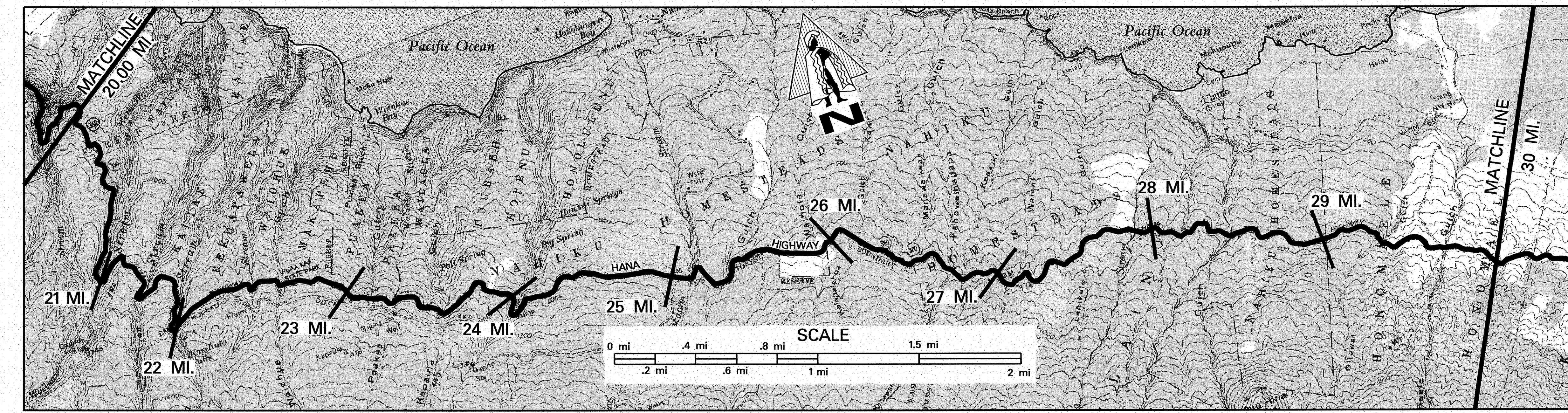
Total Route Length: 34.93 miles

a. Survey Length: 34.93 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile — 20 21 22 23 24 25 26 27 28 29 30

Maintenance Control Sections: Length and Description: 360 B (16.57 mi.)

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

Milepost	Bridge	Length	Vertical Clearance	Horizontal Clearance
20.83	Tee Beam 1937 H15	62'		20'
21.30	Tee Beam 1926 H15	34'		18'
21.81	Tee Beam 1926 H15	76'		14'
22.31	Tee Beam 1926 H15	20'		22'
22.47	Tee Beam 1937 H15	40'		13'
22.95	Tee Beam 1920 H15	20'		12'
23.33	Tee Beam 1926 H15	49'		16'
23.99	Conc. Masonry Arch 1926 H15	60'		20'
24.16	Tee Beam 1926	23'		16'
24.98	Tee Beam 1926 – H15	40'		16'
25.20	Conc. Masonry Arch – 1926 – H15	60'		16'
25.42	Conc. Masonry Arch – 1926 – H15	24'		16'
25.95	Tee Beam 1926	24'		16'
26.48	Tee Beam H15 1926	24'		16'
26.60	Tee Beam H15 1922	60'		16'
26.77	Tee Beam H15 1921	22'		16'
26.94	Tee Beam H15 1920	29'		16'
27.01	Tee Beam H15 1920	24'		16'
27.76	Tee Beam – H15 1917	51'		16'
27.92	Tee Beam – H15 1917	28'		16'
27.98	Tee Beam – H15 1914	39'		16'
28.31	Slab 1908 – H15	48'		13'
29.18	Tee Beam 1914 – H15	22'		16'
29.54	Tee Beam 1924 – H15	38'		16'

Structure Over Road — Vertical Clearance / Horizontal Clearance: (none)

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

Available Right of Way Width (Needs Study): Heavy Grass & Trees; 27.36–27.64; Res. / Farm Area; 29.03 Clr. 1000' – Pasture, Grass – 15' from Pvmt.

Right of Way Fence: Type – Right and Left (W/W=Wire on Wood): 22.62 W/W 22.87; 23.56 W/W 23.79; W/W 24.36–24.44; 25.10 W/W 25.21; 25.44 W/W 25.61; Wire on Wood 27.73; W/W 27.66–27.71; 28.62 W/W 28.69

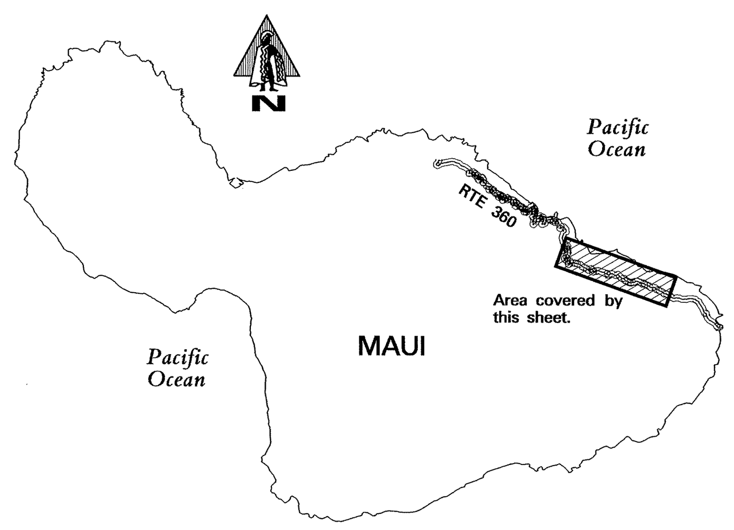
Control of Access: 1–None, 2–Partial, 3–Full: None

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State; (1089+50); (1226+00); (1385+00)

Project No., Type of Construction, and Year Constructed: (360AB–01–88 (R) 1990) 23.38; 360B–01–08M, RESURFACE, 2010; 26.94; 360B–01–09M, RESURFACE, 2010; 28.95

Project No., Type of Construction, and Year Constructed: 360B–01–95M (Resurface) 1997; 23.33; 360B–01–93M (R) 1994; 28.88; 360B–01–96M (R) 1997

Road Diagram



* MP=Milepost Signage

CONTINUED FROM SHEET #2.

HANA HIGHWAY

Feature	Milepost
Culvert	20.10 mi.
Culvert	20.28 mi.
Culvert	20.64 mi.
W. Wailuaiki Br.	20.83 mi.
Culvert	21.06 mi.
Culvert	21.19 mi.
E. Wailuaiki Br.	21.30 mi.
Culvert	21.36 mi.
Kopiliula Br.	21.81 mi.
Culvert	21.87 mi.
Culvert	22.15 mi.
Culvert	22.18 mi.
Waiohue Br.	22.31 mi.
Paakea Br.	22.47 mi.
Puaa Kaa Park (R)	22.49 mi.
Parking Area (L)	22.53 mi.
Culvert	22.59 mi.
Culvert	22.92 mi.
Unnamed Br. #1	22.93 mi.
Unnamed Br. #2	22.95 mi.
Unnamed Br. #3	23.00 mi.
Culvert	23.01 mi.
Culvert	23.11 mi.
Culvert	23.28 mi.
Kapaula Br.	23.31 mi.
	23.39 mi.
Culvert	23.75 mi.
24 MP	23.82 mi.
Hanawi Br.	23.99 mi.
E. Hanawi Br.	24.16 mi.
Bridge	24.17 mi.
25 MP	24.89 mi.
Makapipi Br.	24.98 mi.
Lower Nahiku Rd.	25.01 mi.
Kuhiwa Br.	25.20 mi.
Kupukoi Br.	25.42 mi.
26 MP	25.89 mi.
Kahalaowaka Br.	25.95 mi.
Pupape Br.	26.48 mi.
Kahawaihapapa Br.	26.60 mi.
Keaaiki Br.	26.77 mi.
27 MP	26.89 mi.
W. Waioni Br.	26.94 mi.
Waioni Br.	27.01 mi.
Culvert	27.33 mi.
Culvert	27.41 mi.
Lanikele Br.	27.76 mi.
28 MP	27.88 mi.
Heleleikeoha Br.	27.92 mi.
Ulaino Br.	27.98 mi.
Mokulehua Br. (1351+40)	28.31 mi.
29 MP	28.90 mi.
Oilowai Br.	29.18 mi.
Honomaele Br.	29.54 mi.
30 MP	29.85 mi.
Bridge	29.93 mi.

CONTINUED ON SHEET #4.

SCALE: (In Miles) 2" = 1 mile — 20 21 22 23 24 25 26 27 28 29 30

Divided Highway / Undivided

- **Shoulder: Width and Type:** 0–2' Grass; 23.38; 2'–3' AC; 0–2' Grass
- **Pavement: Width and Type:** 16'–18' AC; 18' AC
- **Shoulder: Width and Type:** 0–2' Grass; 23.38; 1' AC; 28.95; 0–2' Grass
- **Median: Width and Type:**
- **Median Barriers:**
- **Shoulder: Width and Type:**
- **Pavement: Width and Type:**
- **Shoulder: Width and Type:**

Number of Traffic Lanes: 2–(8'–9'); 28.95; 2–9'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left): (Conc. Gutter) 20.05; 20.25 (Conc. Gutter) 20.32; (Conc. Gutter) 21.07 21.14 21.19 21.20; (Conc. Gutter); (Masonry Wall); 21.89; 22.01; 22.07 22.10; Conc. Gutter 22.51 22.57; 22.95 23.02 23.05 23.12; (Conc. Gutter) 23.20; 23.28 23.29 23.35; (Conc. Gutter) 23.77 23.81 23.83; 24.83 24.88 24.98 25.00 25.05 25.09; 25.65 25.75; 26.02 26.08 26.13 26.18; 26.32 26.38; 26.78 26.85; 28.06 28.26; 28.36 28.44 28.47; 29.00; 29.92 29.95

Protective Devices: Type, Location and Number: All Metal Rails on Metal Posts; (Masonry Wall); (Conc. Barrier); 20.01 20.06; 20.66 20.68 20.71; 20.93 20.97; 21.10 21.11; 21.19 (21.22 21.23); 21.40 21.45; 21.53 21.54; 21.61; 21.73; 21.85 21.90; 21.98; 22.09 22.14; 22.22 22.24; (22.31 22.32) (22.36 22.37) (22.40 22.41) (22.44 22.45); 22.52; 22.62; 22.75; 22.83 22.84; 22.96 22.97; 23.04 23.05; (23.10 23.12) (23.15 23.16); 23.32 23.34; (23.38 23.39); 23.60; 28.67 28.70; 29.19 29.21; (29.49 29.51) (29.54 29.56); 29.75 29.76; 29.86 29.88; 29.99

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural

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

Speed: 1–Design, 2–Posted: 15 MPH (2); 23.75; 35 MPH (2); 15 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B74 0360 01939

HPMS Sections – AADT 2009: 1,200

HPMS Sections – AADT 2008: 1,692

HPMS Sections – AADT 2007: 1,720

DOD Sections

Census Tracts

Functional Classification: Major Collector (5)

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

Previous Projects: Project No., Date and Limits

- 23.38; 360B–01–93 (R) 1994; 29.04
- 22.52; 360AB–01–88 (Resurf. & Improv.) 1990; 24.03
- 360B–01–85 1986; 23.58; County to State; 28.32; 29.04; 360B–01–80 (Imprv.) 1981
- County

SCALE: (In Miles) 2" = 1 mile — 20 21 22 23 24 25 26 27 28 29 30

Date Released	
Oct 2003, D.B.	
Revised	
Aug. 04	D.B.
Nov., 06	D.B.
Dec. 09	D.B.
Feb. 11	D.B.

ROAD INVENTORY
MAUI RTE 360
HANA HIGHWAY & KEAWA PLACE

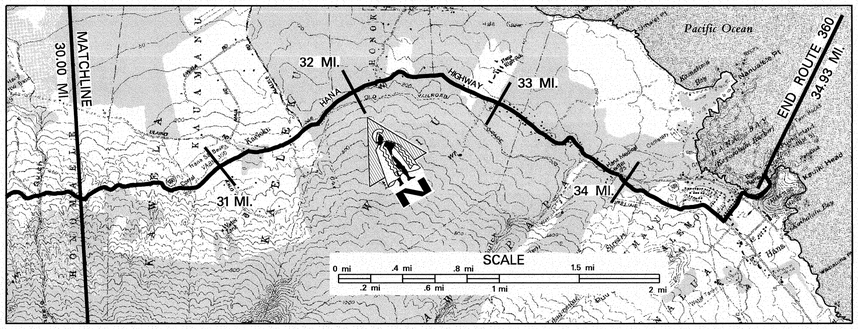
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 34.93 miles
a. Survey Length: 34.93 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

30 31 32 33 34 35 36 37 38 39 40

Maintenance Control Sections : Length and Description

360 B (16.51 mi.) | End 360 B same as End Route.

Structure Carrying Road

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

Tee Beam – H20 1947

Vertical Clearance

73' (33.44)

Horizontal Clearance

26'

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

40'

Available Right of Way Width (Needs Study)

Bushes & Trees | Res. Area | Clr. 1000' Pasture 15' from Pvmt. | Res. Area

Right of Way Fence: Type – Right and Left W/W=Wire on Wood

Wire | Wire | W/W | W/W | W/W | Various | W/W | W/W on Wood | Chain Link | Chain Link

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

None

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

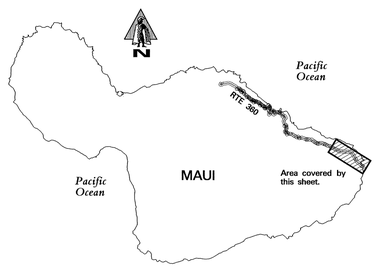
Wood (1385+00) | State | (1599+62)

Project No., Type of Construction, and Year Constructed

360B-01-80 (Improv.) 1981 | 360B-02-06M, Resurfacing, 2010

Project No., Type of Construction, and Year Constructed

360B-01-96M (Resurf.) 1997 | 360B-01-91M (Resurfacing) 1991 | (360B-02-93M (Storm Drain Repair) 1993) | (360B-01-83M (Resurface) 1983)

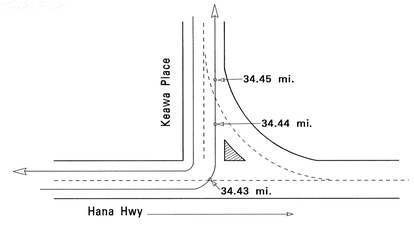


Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET #3.

Bridge 30.09 mi. | Bridge 30.20 mi. | Culvert 30.50 mi. | Kalo Rd. 30.57 mi. | Uliamo St. 30.79 mi. | Culvert 30.88 mi. | Keeleku Pl. 30.99 mi. | Hana Airport 31.17 mi. | Alalele Pl. 31.27 mi. | Olopawa Rd. 31.38 mi. | To Waianapanapa State Park 31.54 mi. | 1427+35 | 31 MP | 32 MP | Hana High School 31.87 mi. | Hana Elemetary School 31.92 mi. | 33 MP | Waiakoloa Rd. (Refuse Disposal Site) 32.59 mi. | Hana Med. Center 32.68 mi. | Helani Gardens 32.84 mi. | Kawaipapa Br. 33.14 mi. | 1548+60 | Fire Sta. 33.27 mi. | Driveways to County Baseyard 33.33 mi. | 34 MP | HANA HIGHWAY | Bridge 33.44 mi. | Pa'animal Park 33.47 mi. | Kauiki St. 33.86 mi. | Abu St. 33.89 mi. | Keanini Dr. 34.08 mi. | Keawa Pl. (L) 34.15 mi. | Hana angle point 34.31 mi. | Culvert 34.37 mi. | Uakea Rd. 34.43 mi. | KEAWA PLACE 34.61 mi.

END ROUTE 360 ON KEAWA PLACE AT THE WHARF ON HANA BAY. 34.93 mi.



SCALE: (In Miles) 2" = 1 mile

30 31 32 33 34 35 36 37 38 39 40

Divided Highway – Undivided

Shoulder: Width and Type

0–2' Grs. | 2'–4' Grs. | 4' AC | 4'–6' AC

Pavement: Width and Type

18' AC | 20' AC

Shoulder: Width and Type

0–2' Grs. | 2'–4' Grs. | 4' AC | 20' AC

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

2–9' | 2–10'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

(4.5'–5.5' Conc. Sidewalk) | AC Sidewalk | (5'–6' AC Sidewalk) | (Conc. Gutter) | (Wood Rail on Conc. Post)

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

AC Roll Curb | AC Roll Curb | (Conc. Curb)

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

Masonry Wall

Illumination: Type, Location and Number

MV | 1 MV | 1 MV

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

Rural

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

Rolling | Flat | Rolling | Rolling

Speed: 1–Design, 2–Posted

35 MPH (2) / 15 MPH (2) | 35 MPH (2) / 35 MPH (2) | 30 MPH (2) / 35 MPH (2) | Not Posted | (20 MPH (2))

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

B74 0360 01939 | B74 0360 03127 | B74 0360 03259 | B74 0360 03343

HPMS Sections – AADT 2009

1,200 | 2,326 | 1,721 | 1,721

HPMS Sections – AADT 2008

1,692 | 2,287 | 1,692 | 1,692

HPMS Sections – AADT 2007

1,720 | 2,325 | 1,720

DOD Sections

Census Tracts

Functional Classification

Major Collector (5)

National Highway System (NHS)

Not on NHS (0)

Previous Projects: Project No., Date and Limits

(ER-12(5) (Roadway Repairs) 2002) | (360B-02-93M (Storm Drain Repair) 1993) | 360B-01-91M (R) 1991 | 360B-01-88 (Walkway) 1988 | 360B-01-80 (Improv.) 1981 | 360B-01-75 (R) 1975 | County (FAP 58(1), 1947) | 360B-01-83M (Resurface) 1983

SCALE: (In Miles) 2" = 1 mile

30 31 32 33 34 35 36 37 38 39 40

Date Released
Oct 2003, D.B.

Revised	
Aug. 04	D.B.
FEB., 06	D.B.
Nov., 06	D.B.
Dec. 09	D.B.
Feb. 11	D.B.

ROAD INVENTORY

MAUI RTE 377
KEKAULIKE AVE & HALEAKALA 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

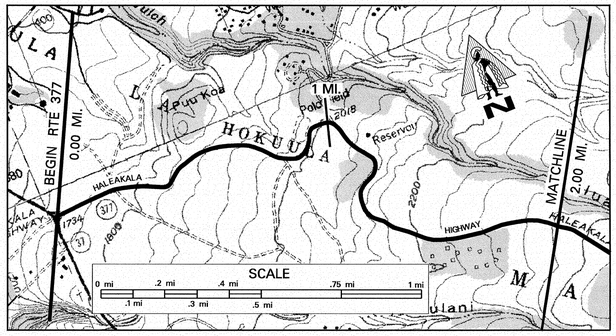
Total Route Length: 9.17 miles

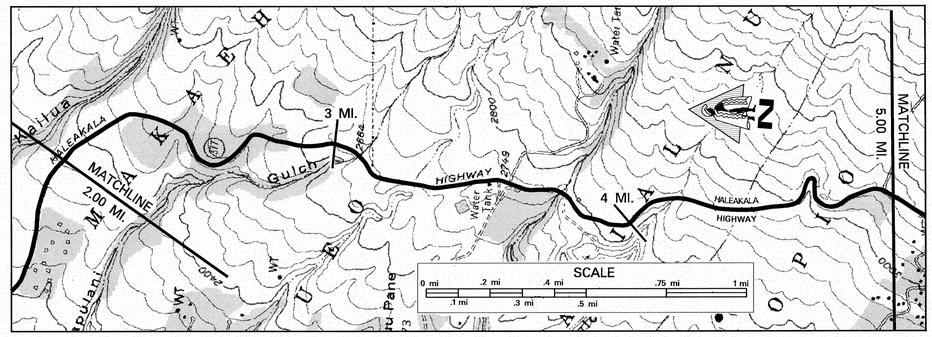
a. Survey Length: 9.17 miles

b. Proposed Length: 0.00 miles

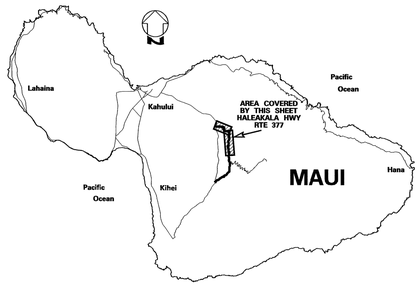
c. Other Length: * 0.00 miles

*





	SCALE: (In Miles) 4" = 1 mile	0 | 1 | 2 | 3 | 4 | 5
	Maintenance Control Sections : Length and Description	0.03 Begin 377A on Haleakala Hwy, 150' East of the centerline intersection with Kula Hwy and Haleakala Hwy. — 377A (9.13 MI)
Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed	TEE BEAM 1934 H15 | 150'
Structure Carrying Road	Vertical Clearance	
Structure Carrying Road	Horizontal Clearance	24'
Structure Over Road	Vertical Clearance	
Structure Over Road	Horizontal Clearance	
	Right of Way Width (min.–max.) if varies	60'
	Available Right of Way Width (Needs Study)	PASTURE ON MOUNTAINOUS TERRAIN WITH CUT SLOPES
	Right of Way Fence: Type – Right and Left — ALL WIRE ON WOOD FENCE	20' – 40' FROM PAVEMENT / 10' – 30' 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	0.03 STP-0377(3), 1995 GUARDRAIL AND SHOULDER IMPROVEMENT
	Project No., Type of Construction, and Year Constructed — 377A-02-81M 1981 RESURFACE	0.08 STP-0377(4), 1994 RESURFACE



Road Diagram

* MP = Milepost Signage

BEGIN ROUTE 377 ON HALEAKALA HWY AT THE EAST EDGE OF PAVEMENT OF KULA HWY (RTE 37).

0.00 mi.

SPUR 0.02 mi. / SPUR 0.01 mi.
BEGIN DIVIDED 0.19 mi.
KING KEKAULIKI HIGH SCHOOL 0.27 mi.
END DIVIDED 0.33 mi.
TRACTOR CROSSING 0.38 mi.
CULVERT 0.81 mi.
CULVERT 0.86 mi.
ECB KEALALOA AVE 0.99 mi. / 1.00 mi. / 1.02 mi.
HALEAKALA HIGHWAY
1 MP
2 MP
2.01 mi.
2500' ELEV. SIGN 2.56 mi.
ECB 3.16 mi.
WAIALE BRIDGE 3.74 mi.
5 MP
CULVERT 4.60 mi.
CULVERT 4.65 mi.
4.98 mi.

CONTINUES ON SHEET # 2
5.00 mi.

	SCALE: (In Miles) 4" = 1 mile	0 | 1 | 2 | 3 | 4 | 5
Divided Highway – Undivided	Shoulder: Width and Type	4' AC
Divided Highway – Undivided	Pavement: Width and Type	22' AC | 11' AC | 22' AC (1.06) | 18' AC
Divided Highway – Undivided	Shoulder: Width and Type	4' AC | 0 | 4' AC
Divided Highway	Median: Width and Type	0.19 | 0-12' PAINTED AC | 0.33
Divided Highway	Shoulder: Width and Type	0
Divided Highway	Pavement: Width and Type	11' AC
Divided Highway	Shoulder: Width and Type	4' AC
	Number of Traffic Lanes	2 – 11' (1.06) | 2 – 9'
	Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	0.27 – 0.33
	(Right Side)	0.19
	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)	0.05 0.10 0.17 0.29 0.42 0.77 0.87 0.88 0.97 1.41 1.43 1.48 2.38 2.43 2.50 2.55 2.71 3.08 3.25 3.30 3.44 3.47 3.51 3.54 3.69 3.70 3.76 4.07 4.12 4.21 4.33 4.37 4.41 4.62 4.66 4.71 4.75
	Protective Devices: Type, Location and Number — ALL GUARDRAILS METAL ON METAL, EXCEPT WHEN NOTED	0.19 0.25 0.36 0.41 0.79 0.86 1.17 1.48 2.37 2.51 2.69 3.05 3.10 3.21 3.37 3.48 3.52 3.72 3.92 4.16 4.22 4.24 4.27 4.38 4.40 4.49 4.99
	Illumination: Type, Location and Number	
	Curves: Degree of Curvature (Right and Left)	
	Superelevation (Range)	1.39 –7 1.51 | 2.05 –7 2.19 | 4.36 –7 4.51
	Grades: % Grade, Positive or Negative	
	Vertical Curve: Crest or Sag, Curve Limits	
	Area and Development:	SMALL URBAN (2) (1.00) | RURAL
	Terrain: 1–Flat, 2–Rolling, 3–Mountainous	ROLLING
	Speed: 1–Design, 2–Posted	30 MPH (2)
	Intersection Control Devices: Type, Location and Cycle Timing	
	Traffic Stations (Current Year)	B74 0377 00000 | B74 0377 00100
	HPMS Sections – AADT 2009	4,500 | 2,200
	HPMS Sections – AADT 2008	3,477 | 2,483
	HPMS Sections – AADT 2007	3,535 | 2,525
	DOD Sections	(1.00)
	Census Tracts	
	Functional Classification	MAJOR COLLECTOR (5)
	National Highway System (NHS)	NOT ON NHS (0)
	Previous Projects: Project No., Date and Limits	
		(1.65) 377A-01-83M 1983 RESURFACE (4.03) 377A-01-85M 1985 RESURFACE
		377A-02-81M 1981 RESURFACE (1.07) | JOB #5569 1952 RESURFACE
		(0.60) FAP 5B 1933 | FAP-5B 1929, 1933
	SCALE: (In Miles) 4" = 1 mile	0 | 1 | 2 | 3 | 4 | 5

Date Released
Oct 2004 GN

Revised	
Nov., 06	D.B.
Dec. 09	D.B.
Feb. 11	D.B.

ROAD INVENTORY

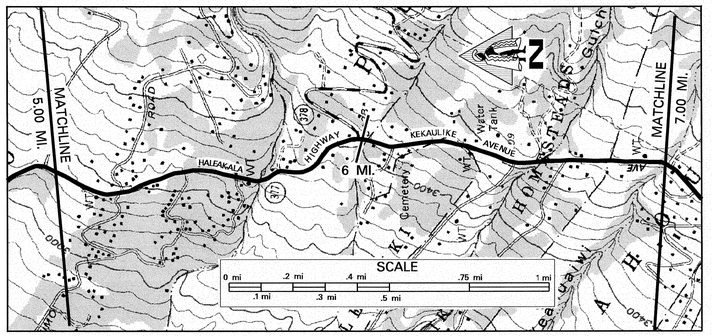
MAUI RTE 377
KEKAULIKE AVE & HALEAKALA HWY

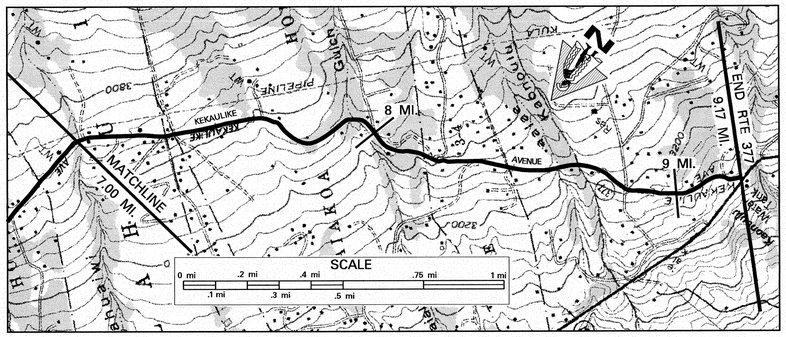
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 9.17 miles
a. Survey Length: 9.17 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

377A (9.13 MI)

End 377A on Kekaulike Hwy. 50' East of centerline intersection with Kula Hwy. 9.16

Structure Carrying Road

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

TEE BEAM 1934 H15 — 110'
TEE BEAM 1933 H15 — 25'
TEE BEAM 1933 H15 — 36'
TEE BEAM 1933 H15 — 150' | 30'

Vertical Clearance

Horizontal Clearance

22' | 22' | 24' | 22' | 22'

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies — 60'

Available Right of Way Width (Needs Study)

Right of Way Fence: Type – Right and Left — ALL WIRE ON WOOD FENCE 10'–20' FROM PVMT UNLESS NOTED

20'–40' FROM PVMT
10'–30' FROM PVMT

5.11 5.18 5.20 5.38 5.67 6.02 6.03 6.07 6.25 6.78 6.86 7.02 7.53 8.47 8.57 8.60 8.80

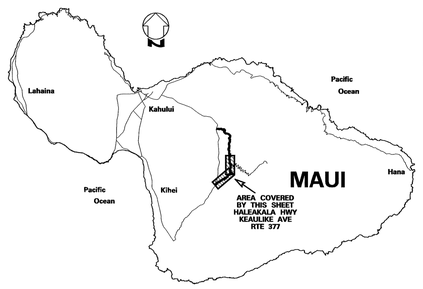
PASTURE AND RANCH AREA

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 — STP-0377(3) 1995 GUARDRAILS & SHLDR IMPR. — 377B-01-96M 1998 RESURFACE

Project No., Type of Construction, and Year Constructed — STP-0377(4) 1994 RESURFACE — RS-0377(2) 1987 IMPROVEMENTS



Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET # 1

5.00 mi.

CULVERT LOWER KIMO DR. 5.19 mi.
CULVERT UPPER KIMO DR. 5.23 mi.
AINAKULA ROAD 5.27 mi.
KULALANI DRIVE 5.42 mi.
POHAKUOKALA BR. 5.58 mi.
KUALONO PLACE 5.66 mi.
HALEAKALA CRATER RD. (RTE 378) 5.72 mi.
CULVERT 5.89 mi.
CULVERT SPUR 5.99 mi.
CULVERT 6.01 mi.
PUANANI PLACE 6.13 mi.
PULEHUIKI ROAD 6.53 mi.
JOHNSON ROAD 6.59 mi.
HAPAPA BRIDGE 6.60 mi.
HAPAPA ROAD 6.65 mi.
KAMEHAMEIKI ROAD 6.95 mi.
PULEHU BRIDGE 6.98 mi.
PAVED ROAD 6.99 mi.
POWER STA. RD. 7.01 mi.
IOIO PLACE & ECB 7.12 mi.
KOLOHALA DRIVE 7.25 mi.
IHE PLACE 7.28 mi.
HOMESTEAD (L) CULVERT 7.44 mi.
WAHELANI ROAD CULVERT 7.47 mi.
CULVERT 7.83 mi.
CULVERT 7.88 mi.
CULVERT 7.92 mi.
WAIAKOA ROAD 8.01 mi.
'ALAE ROAD 8.17 mi.
LOLE PL. 8.41 mi.
FOSTER PL. 8.42 mi.
NAALAE GULCH BR. 8.57 mi.
KAONOLU BRIDGE 8.63 mi.
WAIPOLI ROAD 8.80 mi.
8.96 mi.
9.16 mi.

HALEAKALA HIGHWAY — KEKAULIKE — AVENUE

6 MP & ECB — 7 MP — COPP ROAD — 8 MP — 9 MP — 9.17 MP

END ROUTE 377 ON KEKAULIKE AVENUE AT THE EAST EDGE OF PAVEMENT OF KULA HIGHWAY (RTE 377)
9.17 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type — 4' AC | 4' AC / 4' – 8' GRASS | 4'AC / 10'–18' GRS | 4' AC / 4' – 8' GRASS
Pavement: Width and Type — 18' AC | 20' AC | 24' AC
Shoulder: Width and Type — 4' AC | 4' AC / 4' – 8' GRASS | 4'AC / 10'–18' GRS | 4' AC / 4' – 8' GRASS

(Begin Bikelane / Shoulder combination)
(End Bikelane / Shoulder combination)

Divided Highway

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

Number of Traffic Lanes — 2 – 9' | 2 – 10' | 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 ROLLED CURBS

Protective Devices: Type, Location and Number — ALL GUARDRAILS METAL W/ METAL, EXCEPT WHERE NOTED

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative — –4 | –7 | –6 | +6 | +5 | +9

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: — RURAL

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

Speed: 1–Design, 2–Posted — 30 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year) — B74 0377 00100 — B47 0377 00601

HPMS Sections – AADT 2009 — 2,200 — 1,416

HPMS Sections – AADT 2008 — 2,483 — 1,392

HPMS Sections – AADT 2007 — 2,525 — 1,415

DOD Sections

Census Tracts

Functional Classification — MAJOR COLLECTOR (5)

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

Previous Projects: Project No., Date and Limits

377A–01–85M 1985 RESURFACE

FAP-E-13A 1932 — RS–0377(2) 1987 IMPROVEMENTS

FAP-E-13A 1932

JOB #5569 1952 RESURFACE

BF–037–1(1) 1962

FAP – 5B 1929, 1933

FAP – 13A 1932, 1934

SCALE: (In Miles) 4" = 1 mile

Date Released
Oct 2004 GN

Revised	
FEB., 06	D.B.
Nov., 06	D.B.
Dec. 09	D.B.
Feb. 11	D.B.

ROAD INVENTORY
MAUI RTE 378
HALEAKALA CRATER ROAD

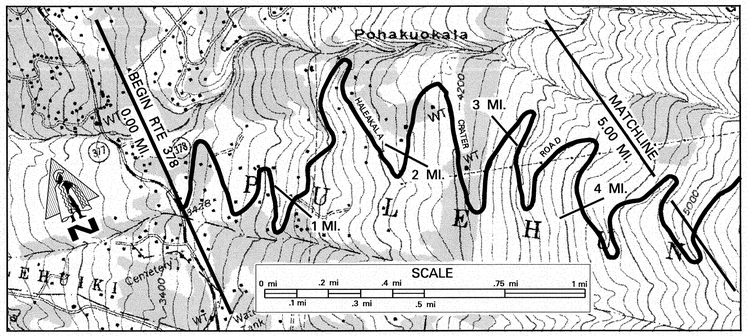
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 10.15 miles
a. Survey Length: 10.15 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Maintenance Control Sections : Length and Description

0.02 Begin 378A on Haleakala Crater Road 100' East of the centerline intersection with Haleakala Hwy (East Spur) — 378A (10.13 MI)

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

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

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

Available Right of Way Width (Needs Study): TREES AND BUSHES W/ SLIGHT CUT SLOPES (2.95) OPEN PASTURE 1000' ACROSS

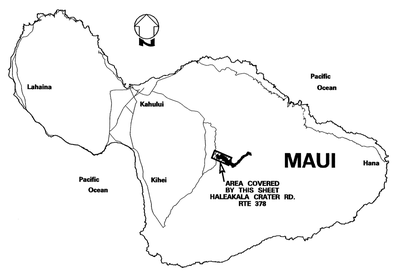
Right of Way Fence: Type – Right and Left: N O N E

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): STATE

Project No., Type of Construction, and Year Constructed: (337+41.87) 0.04 — 378A–01–04M, RESURFACE, 2006

Project No., Type of Construction, and Year Constructed: (378A–01–92M 1993, RESURFACE) 0.02 — 378A–01–00MR 2003 MAINTENANCE & REPAIRS



Road Diagram
* MP = Milepost Signage

BEGIN ROUTE 378 ON THE NORTH SPUR OF HALEAKALA CRATER ROAD AT EDGE OF PAVEMENT OF KEKAULIKE AVE (RTE 377)

0.00 mi. SPUR AND M.P. 0 — PALENA PLACE — (341+50) — 0.03 mi.
0.10 mi. 350' ELEV. Sign — 0.31 mi. PONI MOI PLACE
0.33 mi. CULVERT — 0.31 mi.
0.97 mi. CULVERT — 0.97 mi.
1.24 mi. CULVERT — 1.21 mi.
1.78 mi. 4000' ELEV. Sign — 1.78 mi.
2.12 mi. CATTLE GUARD — 2.06 mi.
2.44 mi. CULVERT — 2.44 mi.
2.54 mi. CULVERT — 2.54 mi.
2.82 mi. CULVERT — 2.82 mi.
2.86 mi. CULVERT — 2.86 mi.
2.98 mi. CULVERT — 2.98 mi.
3.49 mi. 4500' ELEV. Sign — 3.49 mi.
4.05 mi. CULVERT — 4.05 mi.
4.25 mi. CULVERT — 4.25 mi.
4.44 mi. CULVERT — 4.44 mi.
4.96 mi. 5 MP — 4.96 mi.

HALEAKALA CRATER ROAD

CONTINUES ON SHEET #2
5.00 mi.

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Divided Highway – Undivided
- Shoulder: Width and Type: 4' – 8' GRASS (2.30) 4' – 6' GRASS (3.72) 2' AC
- Pavement: Width and Type: 22' AC
- Shoulder: Width and Type: 4' – 8' GRASS — 4' – 6' GRASS — 2' AC

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

Number of Traffic Lanes: 2 – 11'

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

(Right Side): N O N E

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
0.60–0.67, 0.70–0.73, 0.96–1.00, 1.10–1.29, 1.31–1.35, 1.37, 2.09–2.14, 2.24–2.30, 3.33–3.45, 3.94–3.98, 4.11–4.15, 4.19–4.28, 4.30–4.48, 4.57–4.73, 4.89

Illumination: Type, Location and Number: N O N E

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative: 0.03 +7 0.20 — 0.31 +8 0.47 — 0.71 +8 0.81 — 2.36 +7 2.55 — 4.76 +8 4.86

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL

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

Speed: 1–Design, 2–Posted: 30 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B74 0378 00000

HPMS Sections – AADT 2009: 1,400

HPMS Sections – AADT 2008: 1,593

HPMS Sections – AADT 2007: 1,620

DOD Sections

Census Tracts

Functional Classification: MAJOR COLLECTOR (5)

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

Previous Projects: Project No., Date and Limits

0.04 (STP-0377(4) 1994 RESURFACE)
0.03 370A–02–67 1967
378A–01–92M 1993 RESURFACE
378A–01–82M 1982 (RESURFACE)
2.77 FAP 5B (Group B) 1933
3.72 | 3.75 RS–0378(1) 1981 RESURFACE
378A–03–68 1968 RESURFACE

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Date Released
Oct 2004 GN
Revised
Nov., 06 D.B.
Feb. 11 D.B.

38

ROAD INVENTORY
MAUI RTE 378
HALEAKALA CRATER 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

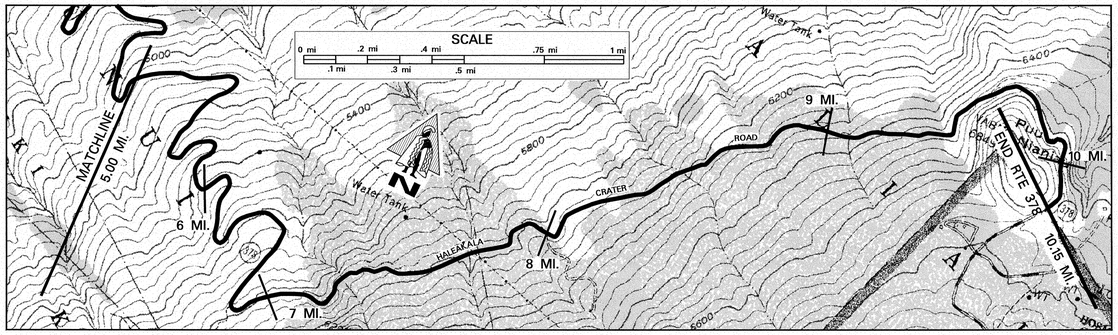
Total Route Length: 10.15 miles

a. Survey Length: 10.15 miles

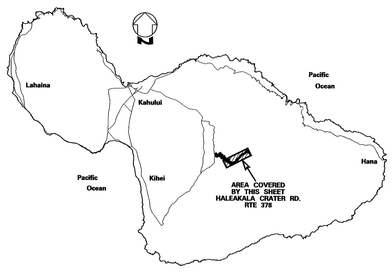
b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



	SCALE: (In Miles) 4" = 1 mile	5 6 7 8 9 10
	Maintenance Control Sections : Length and Description	378A (10.15 MI) — END 378A – SAME AS END ROUTE 378 — 10.15
Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed	97′ PRESTRESSED BEAM 1934 (1970) H15 56′
Structure Carrying Road	Vertical Clearance	
Structure Carrying Road	Horizontal Clearance	27′ 27′
Structure Over Road	Vertical Clearance	
Structure Over Road	Horizontal Clearance	
	Right of Way Width (min.–max.) if varies	80′
	Available Right of Way Width (Needs Study)	OPEN PASTURE 1000′ ACROSS
	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	@ END PROJECT 877+00 — 378A–01–04M, RESURFACE, 2006 — (378A–01–92M, 1993, RESURFACE) — 10.15 / 10.14
	Project No., Type of Construction, and Year Constructed	378A–01–00MR 2003 MAINTENANCE & REPAIRS



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET # 1

5.00 mi.

CULVERT 5.07 mi. | CULVERT 5.22 mi. | CULVERT 5.28 mi. | HALEAKALA | CULVERT 5.95 mi. | CULVERT 6.23 mi. | CULVERT 6.67 mi. | CULVERT 6.91 mi. | CRATER | LOOKOUT CULVERT 7.30 mi. | CULVERT 7.48 mi. | POHAKUOKALA BRIDGE 7.70 mi. | CULVERT 7.91 mi. | CATTLE GUARD 8.00 mi. | WAIALE BRIDGE 8.28 mi. | ROAD | CULVERT 8.83 mi. | CATTLE GUARD 9.24 mi. | 6500′ ELEVATION SIGN 9.34 mi. | CULVERT 9.45 mi. | CATTLE GUARD @ CENTERLINE CATTLEGUARD 877+20 9.87 mi. | 10.15 mi. 10.12 mi.

6 MP | 7 MP | 8 MP | 9 MP | 10.19 MP | 833+80

END RTE 378 ON HALEAKALA CRATER RD AT THE NAT'L PARK BDRY @ THE CATTLE GUARD NEAR THE "END STATE HWY SIGN".

10.15 mi.

	SCALE: (In Miles) 4" = 1 mile	5 6 7 8 9 10
Divided Highway – Undivided	Shoulder: Width and Type	2′ AC — 10.15 mi.
Divided Highway – Undivided	Pavement: Width and Type	22′ AC
Divided Highway – Undivided	Shoulder: Width and Type	2′ AC
Divided Highway	Median: Width and Type	
Divided Highway	Shoulder: Width and Type	
Divided Highway	Pavement: Width and Type	
Divided Highway	Shoulder: Width and Type	
	Number of Traffic Lanes	2 – 11′
	Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	N O N E
	(Right Side)	N O N E
	Frontage Road: No. of Lanes, and Width (Right and Left)	
	Sidewalk: Width and Type (Right and Left)	
	Curb and/or Gutter: Type (Right and Left)	
	Protective Devices: Type, Location and Number — ALL GUARDRAILS ARE METAL ON METAL	6.23 5.28 5.32 5.33 5.39 5.49 5.58 5.66 5.78 5.82 6.15 6.24 6.57 6.68 6.83 6.89 7.11 7.18 7.19 7.27 7.31 7.34 7.38 7.47 7.48 7.51 7.66 7.75 7.79 7.84 7.87 8.03 8.07 8.47 8.55 8.59 8.79 8.80 8.89 9.07 9.09 9.21 9.28 9.43 9.52 9.54 9.74 9.99 10.05
	Illumination: Type, Location and Number	N O N E
	Curves: Degree of Curvature (Right and Left)	
	Superelevation (Range)	
	Grades: % Grade, Positive or Negative	6.22 +7 6.29 — 6.62 +9 6.84 — 8.14 +7 8.28
	Vertical Curve: Crest or Sag, Curve Limits	
	Area and Development:	RURAL
	Terrain: 1–Flat, 2–Rolling, 3–Mountainous	MOUNTAINOUS
	Speed: 1–Design, 2–Posted	30 MPH (2)
	Intersection Control Devices: Type, Location and Cycle Timing	
	Traffic Stations (Current Year)	B74 0378 00000 — B74 0378 00770
	HPMS Sections – AADT 2009	1,400 — 7.70 — 1,620
	HPMS Sections – AADT 2008	1,593 — 6.91 — 1,593
	HPMS Sections – AADT 2007	1,620
	DOD Sections	
	Census Tracts	
	Functional Classification	MAJOR COLLECTOR (5)
	National Highway System (NHS)	NOT ON NHS (0)
	Previous Projects: Project No., Date and Limits	378A–01–92M 1993 RESURFACE
		RS–0378(1) 1981 RESURFACE — 7.70 (377A–01–70 1971 Bridge Widening) 8.50 — RS–0378(1) 1981 RESURFACE
		378A–03–68 1968 RESURFACE — 6.95 — 378A–04–69 1969
		FAP 5B (Group B) 1933
	SCALE: (In Miles) 4" = 1 mile	5 6 7 8 9 10

Date Released
Oct 2004 GN

Revised	
Nov., 06	D.B.
Feb 11	D.B.

ROAD INVENTORY

MAUI RTE 380
DAIRY ROAD, KUIHELANI HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

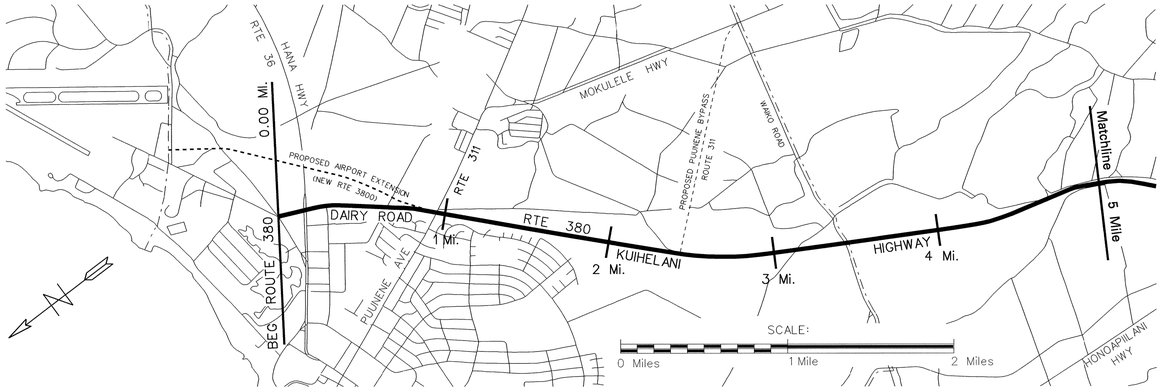
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length: 6.18 MILES (a+b)
- a. Existing Length: 6.18 MILES
- b. Proposed Length: 0.00 MILES

Total Travel Way Length: 6.18 MILES (a+b, less c)
- a. Existing Length: 6.18 MILES
- b. Temporary Length: 0.00 MILES
- c. Length used as T.W. for another Route: 0.00 MILES (–)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

BEG. 380A SAME AS BEG. EXISTING RTE. ? | ? 380A (0.95 mi.) ? | END 380A SAME AS ROUTE 0.95 | 0.95 BEG. 380A SAME AS BEG. EXISTING RTE. ? | 380 A (6.17 mi.)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- 24', Slab, HS–20, 1970 (3.12)
- 61', Tee Beam, HS–20, 1970 (3.11)
- 60', Precast Prestressed Conc Beam, HL–93, 2003 (4.12)
- 77', Culvert, HS–20, 1970 (4.37)
- 25', Precast Conc Plank, HL–93, 2003
- 78', 3 Span Culvert, HL–93, 2003

Vertical Clearance: 44' (3.11) | 44' 36" (4.12) | 44' 36" (4.37)

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 150' – 210'

Available Right of Way Width (Needs Study): COMMERCIAL (0.65) | RANCHLAND / SUGAR CANE (2.99) | FARMS–BUSHES–TREES (3.15) | WOOD/CONC. (3.45) | CLEAR 1000' – SUGAR CANE 30' FROM PAVEMENT METAL ON WOOD (4.80)

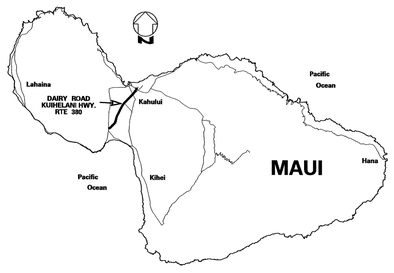
Right of Way Fence: Type – Right and Left: NONE

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

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

Project No., Type of Construction, and Year Constructed: NH–0380(9), (Widening) 2003 (0.78)

Project No., Type of Construction, and Year Constructed: 380A–01–89M (R) 1990 (0.97) | 380A–01– 99M (R), 2000



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

0.00 mi. Begin Route 380 on Dairy Road at the South edge of pavement of Intersection with Haleakala Hwy and Keolani Place (Rte 36A).

End Div. Hwy (0.03 mi.) | Kele St. (0.09 mi.) | Hana Hwy (Rte 36) (0.16 mi.) | Alamaha St. (0.31 mi.) | Ohakani St. (Mail Ent./Exit) (0.38 mi.) | Maui Marketplace Dr. (0.48 mi.) | Entrance/Exit (R) Mall Entrance/Exit (0.57 mi.) | Begin Div. Hwy & Hukilike St. (L) (0.66 mi.) | Puunene Ave. (0.73 mi.) | 1 MP | Beg Measured Mile (0.94 mi.) | Cane Haul Rd. (0.96 mi.) | 1.25 mi. | Paved Road (1.23 mi.) | 2 MP | End Measured Mile (1.44 mi.) | Private Access (1.68 mi.) | Maui Lani Parkway 2.37 mi. (1.80 mi.) | 3 MP | Paved Road (2.23 mi.) | Waihee Ditch Br. 3.12 mi. (2.75 mi.) | Waihee Ditch Br. 3.11 mi. (offset) (3.03 mi.) | Waiko Road (3.45 mi.) | 4 MP | Tractor Crossing & Cane Haul Rd. (3.61 mi.) | Truck Weigh Station (3.67 mi.) | Waikapu Stream Br. (3.78 mi.) | Kuihelani 3 Span Culvert Road and Tractor Crossing (4.12 mi.) | 5 MP | Cane Haul Rd. (4.34 mi.) | (4.37 mi.) | (4.74 mi.) | (4.87 mi.)

DAIRY ROAD — KUIHELANI HIGHWAY

Route Continued on Sheet #2 5.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type: 0 (0.16) 4'–6" AC (0.96)

Pavement: Width and Type: (20' AC) 40' AC (0.68) | 44' AC (1.04) 22' AC (1.20) | 24' AC (3.84) 10'–25' AC (3.92) 10' AC

Shoulder: Width and Type: 0 (0.16) 4'–6" AC (0.96) | 0 (1.04) 8' AC (1.20) | 0 (2.25) 4' AC (2.58) 10' AC

Divided Highway

Median: Width and Type: (10' Painted AC) (0.03) (0.73) 10' Painted AC (0.96) 8'–10" Painted AC (1.04) 1.11 8'–14" Painted AC (1.20) 18' Grass (2.25) 14' Painted AC (2.37) 10' Grass (2.58) 18' Grass

Shoulder: Width and Type: 0 (0.96) 4' AC (1.20) | 0 (2.25) 4' AC

Pavement: Width and Type: (22' AC) 22' AC (0.96) 24' AC (1.20) 24' AC (2.58) 24' AC

Shoulder: Width and Type: 0 (0.96) 4'–6" AC (1.20) 8' AC (2.58) 10' AC

Number of Traffic Lanes: (2–10') (2–11') (0.03) 4–10' (0.86) 4–11' (0.98) (1–12', 1–10') (2–12') 4–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) (All 10' Turning Lanes) (0.03) (0.73) (2–10' L TLs) (0.89) 10' (L) TL (1.04) (2.37) 1–12' TL (2.57) (3.30) 1–12' TL (3.45) (3.60)

(Right Side) (All 10' Turning Lanes) (0.05) (0.12) (0.16) (0.22) (0.31) (0.38) (0.45) (0.48) (0.52) (0.57) (0.61) (0.66) (0.90) (0.86) (2.22) 1–12' TL (2.37) 1–12' TL

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

Sidewalk: Width and Type (Right and Left): 8' Conc. S.W. (0.13) (0.31) 8' Conc. S.W. (0.61) (0.66)

Curb and/or Gutter: Type (Right and Left): 4' Conc. S.W. (0.16) (0.23) Conc. AC Conc. Curb (2.26) 2' Conc. Gutter (2.56) 2' Conc. Gutter (2.66)

Protective Devices: Type, Location and Number: Conc. Curb (0.13) AC Curb (0.22) (0.38) (0.43) (Conc. Curb) AC Curb (0.68) (3.09) (3.15) (3.25) (3.32) (3.36) (3.61) (4.17) (4.18) (4.34) (4.41) (4.62) (4.66)

Illumination: Type, Location and Number: (0.86) M.V. (1.04) (2.32) 2 HPS (2.43) (3.26) (3.33) 2 HPS (3.55) (2.40) (3.50)

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative: (0.88) –1 (3.29) +1 (3.76) (3.84) +2 (4.09) (4.56) –1 (4.80)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban

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

Speed: 1–Design, 2–Posted: 30 MPH (2) | (1.11) 35 MPH (2) 30 MPH (2) (1.24) (45 MPH (2)) (0.87) (1.10) 55 MPH (2) (2.20) (2.31) 45 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing: (0.76) (0.37) (0.48) (3.45) 3 Phase 2 Phase (3.61)

Traffic Stations (Current Year): B74 0380 00000 | B74 0380 00096 | B74 0380 00237 | B74 0380 00345

HPMS Sections – AADT 2009: 30,100 | 18,600 | 18,300 | 15,700

HPMS Sections – AADT 2008: 31,890 | 18,081 | 17,088 | 14,403

HPMS Sections – AADT 2007: 32,425 | 18,385 | 17,375 | 14,645

DOD Sections: (0.86) (2.37) (3.45)

Census Tracts

Functional Classification: Major Collector (5) (0.86) Principal Arterial (3)

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

Previous Projects: Project No., Date and Limits: 380A–01–89M (R), 1990

(FAP 50 1931) (0.03) (0.18) 3800A–01–81M 1981 (Resurf.) (0.76) S–0380(6) 1971

DANG 8(1), 1945 County (2.37) S–038 (6), 1969

SCALE: (In Miles) 4" = 1 mile

Date Released
July 2002, DB

Revised	
Apr 03	JK
Aug 03	DB
Sept 03	DB
Nov., 06	DB
Mar., 09	DB
Dec. 09	DB
Aug 10	DB
Feb. 11	DB

ROAD INVENTORY

MAUI RTE 380
KUIHELANI HIGHWAY

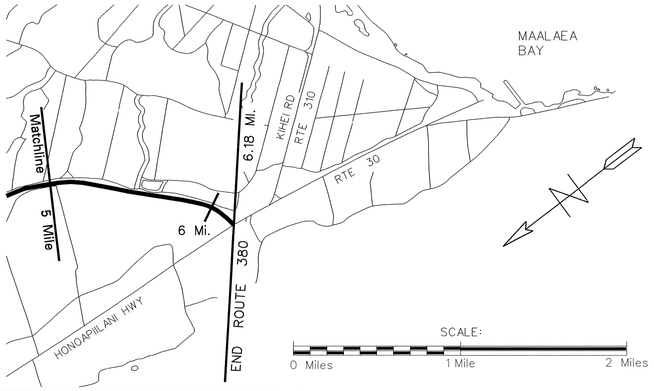
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length:	6.18	MILES (a+b)
a. Existing Length:	6.18	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	6.18	MILES (a+b, less c)
a. Existing Length:	6.18	MILES
b. Temporary Length:	0.00	MILES
c. Length used as T.W. for another Route:	0.00	MILES (–)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

Maintenance Control Sections : Length and Description

? 380 A (6.17 mi.) — END 380-A ON KUIHELANI HWY. 50' EAST OF THE EAST E.P. ON HONOAPIILANI HWY. (6.17)

Structure Carrying Road

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

37' | SLAB 1970 HS–20
47' | PRECAST, PRESTRESSED CONC. BEAM, HL–93, 2003

Vertical Clearance

Horizontal Clearance

5.93 | 44'
5.93 | 36'

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

150' – 210'

Available Right of Way Width (Needs Study)

CLEAR 1000' – SUGAR CANE 30' FROM PAVEMENT

Right of Way Fence: Type – Right and Left

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

NONE

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

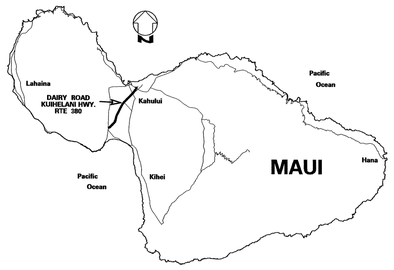
STATE

Project No., Type of Construction, and Year Constructed

NH–0380(9) (Widening) 2003 (6.02) ← [BR-NH-030-1(24) (Widening) 2002]

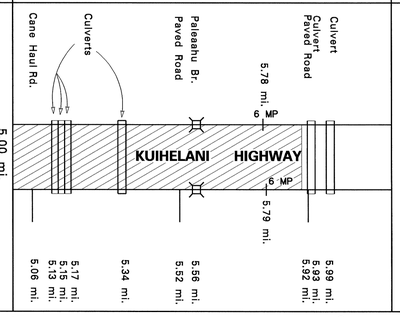
Project No., Type of Construction, and Year Constructed

380A–01–99M (R) 2000



Indicates Grass & / or Physical Barrier on Median.

Road Diagram



SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

Divided Highway — Undivided

Shoulder: Width and Type

10' AC

Pavement: Width and Type

24' AC | 12' AC (6.14) | 28' AC

Shoulder: Width and Type

10' AC | 0

Divided Highway

Median: Width and Type

18' Grass (5.00) | 10'–18' AC (6.02) | 10' Painted AC

Shoulder: Width and Type

4' AC | 0.08 | 0 | 0.15 (6.19)

Pavement: Width and Type

24' AC | 12' AC | 36'' AC (38' AC) (44' AC)

Shoulder: Width and Type

10' AC

Number of Traffic Lanes

4 – 12' | 2–12' (–3– (2–14') | 2–12' (–3– (1–14')

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

(2–12' (R)) (2–14' (R))

(Right Side)

Double (L) TLs — 0.15 — 12 — 12
Single (R) TL — 12 — 14 — (1–16' (R)) (1–14' (R))

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

5.93 | 5.98

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

5.33 | +2 | 5.64

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

Small Urban

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

Flat

Speed: 1–Design, 2–Posted

45 MPH (1) | 5.92 | Not Posted 35 MPH (1)

Intersection Control Devices: Type, Location and Cycle Timing

5.86 — 3 Phase Traffic Signal

Traffic Stations (Current Year)

B74 0380 00345

HPMS Sections – AADT 2009

15,700

HPMS Sections – AADT 2008

14,403

HPMS Sections – AADT 2007

14,645 (6.18)

DOD Sections

Census Tracts

Functional Classification

Principal Arterial (3)

National Highway System (NHS)

On NHS (1)

Previous Projects: Project No., Date and Limits

380A–01–89M (R), 1990
S–0380 (6), 1971
S–038 (6), 1969

SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

Date Released
July 2002, DB

Revised	
Nov., 06	*D.B.*
Dec. 09	*D.B.*
Feb. 11	*D.B.*

ROAD INVENTORY
MAUI RTE 3000
HONOAPIILANI HIGHWAY BYPASS

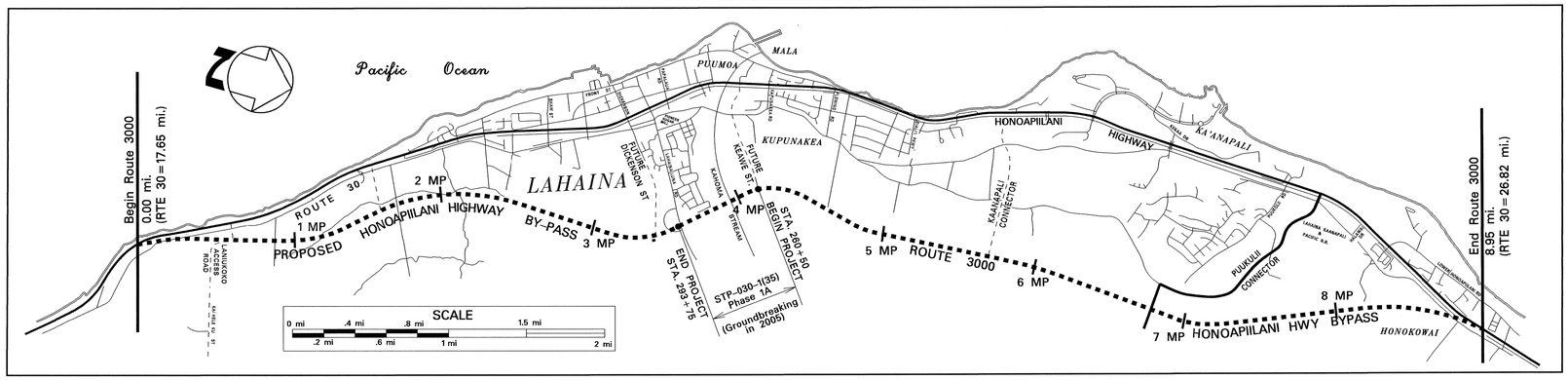
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 8.95 miles
a. Survey Length: 0.00 miles
b. Proposed Length: 8.95 miles
c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Maintenance Control Sections : Length and Description

Structure Carrying Road

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

4-CELL BOX | 3-CELL BOX | 400' | 400' | 600' | 400' | 400' | 800'

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

STATE

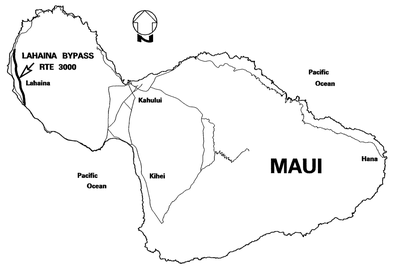
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)

(STP-030-1(22), Demolition of Ikena Ave)

Project No., Type of Construction, and Year Constructed

3.42 3.49

Project No., Type of Construction, and Year Constructed



Road Diagram

* MP = Milepost Signage

BEGIN ROUTE 3000 ON HONOAPIILANI HWY BY-PASS AT NORTH EDGE PAVEMENT OF CONNECTION WITH HONOAPIILANI HWY (RTE 30). 0.00 MI.

CULVERT | CULVERT | KAUAULA STREAM BR. | DICKENSON CONNECTOR | LAHAINALUNA RD OP | KAHOMA STREAM BR | KAPUNAKEA CONN. | WAHIKULI CONNECTOR (CIVIC CENTER) | KAANAPALI CONNECTOR | HAHAKEA GULCH BR | WAHIKULI GULCH BR | PUUKOLII CONNECTOR | HANAKAOO GULCH BR | HONOKOWAI STR BR | HONOAPIILANI CONN.

HONOAPIILANI HIGHWAY BY-PASS

0.75 MI. 0.96 MI. 2.08 MI. 3.31 MI. 3.46 MI. 3.74 MI. 4.07 MI. 4.96 MI. 5.52 MI. 5.73 MI. 5.88 MI. 6.75 MI. 7.48 MI. 8.01 MI. 8.58 MI.

END ROUTE 3000 ON HONOAPIILANI HWY BYPASS AT SOUTH EDGE OF PAVEMENT OF CONNECTION WITH HONOAPIILANI HWY (RTE 30). 8.95 MI.

SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Divided Highway – Undivided

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: SMALL URBAN | 4.19 | RURAL

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

Speed: 1–Design, 2–Posted

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

HPMS Section 4.19

AADT

DOD Sections

Census Tracts

Functional Classification PRINCIPLE ARTERIAL (3)

National Highway System (NHS) ON NHS – UNBUILT

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
Dec 2004 JK

Revised	
Nov., 06	D.B.
Feb., 09	D.B.
Feb., 11	D.B.

ROAD INVENTORY

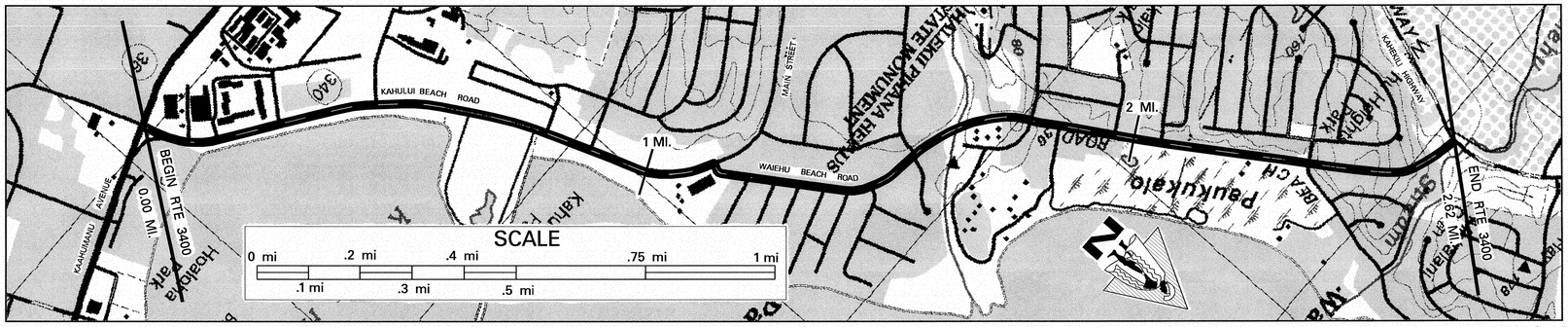
MAUI RTE 3400

KAHULUI BEACH ROAD AND WAIEHU BEACH 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: 2.62 miles
a. Survey Length: 2.62 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*



End 3400A on Main St. spur 80' N.W. of the centerline intersection with Waiehu Beach Rd. and Kahului Beach Rd. . End 3400A and begin 3400B on Waiehu beach Rd. 100' N. of centerline intersection with Kahului Beach Rd.

End 3400B and begin 3400C on Waiehu Beach Rd. 50' East of centerline intersection of Waiehu Beach Rd. and Kahekili Hwy. Also begin 3400C on Kahekili Hwy – see Route 340.

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3

Maintenance Control Sections : Length and Description

0.04 Begin 3400A on Kahului Beach Road 220' N. of centerline intersection w/Kaahumanu Ave. — 3400A (1.11 MI) / SPUR 3400A (0.02 MI) — 1.15 — 3400B (1.46 MI) — 2.61 — 3400C (0.01 MI)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: TEE BEAM 1953 H20 182'

Vertical Clearance

Horizontal Clearance: 28'

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 120' (1.51) 80' – 200' (1.87) 70' – 240'

Available Right of Way Width (Needs Study): COMMERCIAL / RESIDENTIAL (1.31) (1.38) BRUSH (1.95) (2.32) SAND

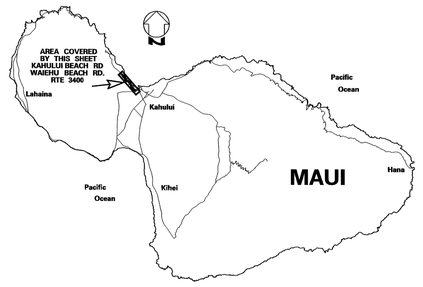
Right of Way Fence: Type – Right and Left: (1.17) NONE (1.48)

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

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

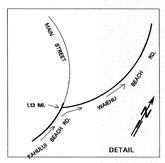
Project No., Type of Construction, and Year Constructed: 3400AB–02–90 1992 IMPROVEMENTS (0.14) 30+10 38+10 8+80 (1.13) 3400A–01–07M, RESURFACING, 2009 (1.70) 3400B–02–98 2 WAY (L) TLS (2.11)

Project No., Type of Construction, and Year Constructed: (0.14) 3400A–02–91 IMPROVEMENTS 1995 (0.57) HWY–M–05–04, IMPR. 2006 (0.22) 3400A–02–91 IMPROVEMENTS 1995 (1.12) 3400A–01–97 1998 (1.31) 3400B–01–97M 1998 RESURFACE (ALSO ROUTE 340)



Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP = Milepost Signage



BEGIN ROUTE 3400 ON KAHULUI BEACH ROAD ON THE NORTHEAST EDGE OF PAVEMENT OF KAAHUMANU AVE (RTE 32)

0.00 MI.

DRIVEWAY (0.08) KAIHEE PLACE (0.27) WAHINEPI'O AVE (0.46) SMALL BOAT HARBOR ROAD (0.63) BEACH ROAD (0.79) KANALOA AVE. (0.88) NISEI MEMORIAL CENTER ACCESS (1.00) MAIN ST. (1.05) ELUENE ST. (1.13) KAINALU PL. (1.20) LINEKONA PLACE (1.25) END DIVIDED (1.30) KAIKOO STREET (1.35) KAILANA PLACE (1.39) BEGIN DIVIDED (1.44) UKALI ST. (1.46) EHA ST. (1.54) END DIVIDED (1.60) IAO BRIDGE (1.62) END DIVIDED (1.70) BEGIN DIVIDED (1.78) KUHIO PL. (1.79) KAAE RD. (1.83) KUKONA PL. (1.94) KEALI'I DR. (2.00) MAKAALA DR. (2.03) END DIVIDED (2.11) BEGIN DIVIDED (2.26) WAILUPE DR. (2.32) END DIVIDED (2.38) WAILUKU URBAN BOUNDARY

54+25 35+00 MP PAVED ROAD NUKUWAI PLACE MP LOWER WAIEHU BEACH RD.

KAHULUI BEACH ROAD — WAIEHU BEACH ROAD

0.00 mi. 0.08 mi. 0.27 mi. 0.46 mi. 0.63 mi. 0.79 mi. 0.88 mi. 1.00 mi. 1.05 mi. 1.13 mi. 1.20 mi. 1.25 mi. 1.30 mi. 1.35 mi. 1.39 mi. 1.44 mi. 1.46 mi. 1.54 mi. 1.60 mi. 1.62 mi. 1.70 mi. 1.78 mi. 1.79 mi. 1.83 mi. 1.94 mi. 2.00 mi. 2.03 mi. 2.11 mi. 2.26 mi. 2.32 mi. 2.38 mi.

END ROUTE 3400 ON WAIEHU BEACH ROAD AT THE CENTERLINE JUNCTION WITH KAHEKILI HIGHWAY ALONG THE WAILUKU URBAN BOUNDARY.
2.62 MI.

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3

Divided Highway — Undivided

Shoulder: Width and Type: 4' AC (0.08) 6' AC (1.15) 11' AC (1.29) 4' – 6' AC (1.87) 6' AC (2.17) 6' AC (2.24) 6' AC (2.33) 10' AC (2.44) 6' AC

Pavement: Width and Type: 12' AC (0.14) 36' AC (0.27) 24' AC (1.13) 22' AC 12' AC 24' AC 11' AC 24' AC 11' AC 24' AC

Shoulder: Width and Type: 0' (0.27) 12' GRASS 2' AC (0.80) 0' 2' AC (1.02) 0' 11' AC (1.29) 4' – 6' AC 0' 4' AC 6' AC 0' 6' AC 0' 10' AC (2.44) 6' AC

Median: Width and Type: 6'–24' GRASS W/CURB (0.18) 0'–12' PAINT (0.33) 0'–12' PAINT (0.36) 12' GRASS (FLUSH) (0.47) 0'–12' PAINT (0.57) 0'–12' PAINT (0.89) 12' GRASS (FLUSH) 0'–12' PAINT (1.46) 0'–8' PAINT (1.60) (1.70) 11' PAINTED AC (2.11) (2.26) 10' PAINT

Divided Highway — Divided

Shoulder: Width and Type: 0' (0.27) 2' AC (0.80) 0' 2' AC 0' 0' 0' 0' 0'

Pavement: Width and Type: 24' AC 12' AC 11' AC 11' AC

Shoulder: Width and Type: 4' AC (0.08) 6' AC (6' BIKE LANE) (0.60) (0.98) 6' AC (1.13) 4' – 6' AC 6' AC 6' AC 10' AC (2.44)

Number of Traffic Lanes: 1–12' 1–12' (0.04) 3–12' 2–12' (0.27) 4 – 12' (0.82) (0.88) (1.02) 2 – 11' 2 – 12' 2 – 11' 2 – 12' 2 – 11' (2.38) 2 – 12'

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

(Right Side) ALL T.L.S. 12' UNLESS NOTED

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) T.S. = TRIANGLULAR SWALE C. & G. = CURB & GUTTER B.C. = BITUMINOUS CURB L.D.D. = LINED DRAINAGE DITCH: 4' CONC. (0.27) (1.01) T. S. (1.12) C. & G. (1.15) (1.30) L. D. D. (1.35) (2.17) (2.24) B. C. (2.33) B. C. (2.44)

Protective Devices: Type, Location and Number: (1.60) (1.69) WOOD RAILS ON CONCRETE POSTS (2.52) METAL RAILS ON CONCRETE POSTS

Illumination: Type, Location and Number: MV (0.08) (0.15) MV (0.29) 1 MV (0.49) (0.89) MV (1.59)

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative: (2.00) –1 (2.18)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: SMALL URBAN

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: FLAT (1.09) (1.60) ROLLING

Speed: 1–Design, 2–Posted: 35 MPH (2) 35 MPH (2) 30 MPH (2) (1.29) 30 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing: (0.46) (1.13) 3 PHASE (1.54) 3 PHASE

Traffic Stations (Current Year): B74 3400 00000 (0.46) B74 3400 00046 (0.88) B74 3400 00113 (1.54) B74 3400 00232 (2.62)

HPMS Sections – AADT 2009: 26,300 (0.46) 37,891 (1.13) 12,400 (1.54) 6,100 (2.62)

HPMS Sections – AADT 2008: 37,250 (0.46) 37,250 (1.13) 11,723 (1.54) 6,757 (2.62)

HPMS Sections – AADT 2007: 37,875 (1.13) 11,920 (2.32) 6,870

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4)

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

Previous Projects: Project No., Date and Limits: 3400B–01–97M 1998 RESURFACE (ALSO ROUTE 340) (1.12)

(0.14) 3400A–02–91 1995 IMPROVEMENTS (1.13) (1.86)

3400AB–02–90 1992 IMPROVEMENTS 3400A–01–88M 1988 RESURFACE

S–0340 (1) 1955, 1956 (1.12) COUNTY (1.61) S–247(1) 1952, 1953 (1.87) S–0341(3) 1966, 1967

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3

Date Released
Oct 2004 GN

Revised	
Nov., 06	D.B.
Dec. 09	D.B.
Feb 11	D.B.

ROAD INVENTORY
MAUI RTE 3500
PUUNENE AVENUE

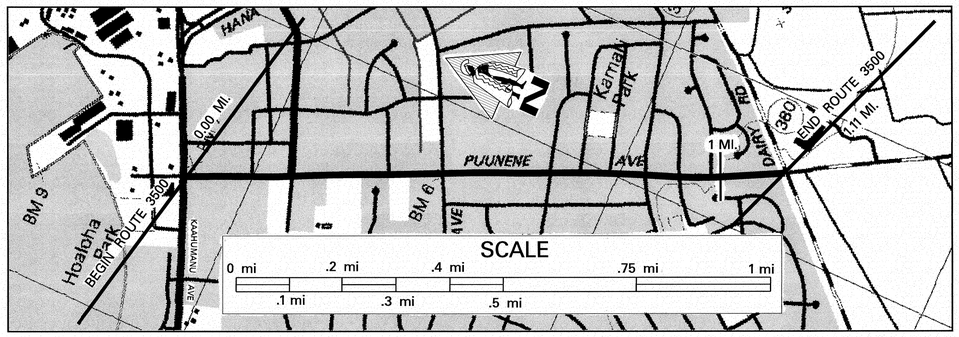
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 1.11 miles
a. Survey Length: 1.11 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3

Maintenance Control Sections : Length and Description

Begin 3500A on Puunene Avenue 85' S. of centerline with Kaahumanu Avenue. (0.01)

End 3500A on Puunene Avenue 10' from the S.E. edge of pavement of Kuihelani Hwy.

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'

Available Right of Way Width (Needs Study): RESIDENTIAL / COMMERCIAL (1.00)

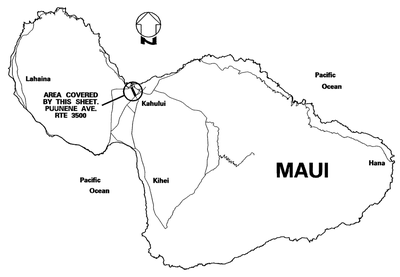
Right of Way Fence: Type – Right and Left: CHAINLINK (0.34–0.43); CHAINLINK (0.88–0.92); TILE (0.92–0.96); CHAINLINK (0.96–1.00)

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

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

Project No., Type of Construction, and Year Constructed: STP–3500(5) 1996 RESURFACE (0.00–0.47); HES–STP–3500(3) 1996 IMPROVEMENT (0.47–0.78); STP–3500(5) 1996 RESURFACE (0.78–1.09)

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



Road Diagram

* MP = Milepost Signage

BEGIN ROUTE 3500 ON PUUNENE AVENUE AT THE SOUTHEAST EDGE OF PAVEMENT WITH KAAHUMANU HIGHWAY (ROUTE 32)

0.00 Mi.

THIRD ST. / FOURTH ST. BEGIN DIVIDED (0.06 mi.) / KAMEHAMEHA AVE. (0.09 mi.) / HOLE'A ST. (0.11 mi.) / WAKEA AVE. (0.18 mi.) / E. KAUAI ST. (0.35 mi.) / KUULA ST. (0.46 mi.) / AIAI ST. (0.67 mi.) / PAPA AVE. (0.72 mi.) / E. HAWAII ST. (0.78 mi.) / PUUKANI ST. (0.85 mi.)

PUUNENE AVENUE — 1 MP

W. KAUAI ST. (0.67 mi.) / W. HAWAII ST. (0.85 mi.) / 0.91 mi. / 0.97 mi. / 1.04 mi.

DAIRY ROAD — 1.11 Mi. — KUHELANI HWY. (Nearest edge of pav't)

END ROUTE 3500 ON PUUNENE AVENUE AT THE NORTHWEST EDGE OF PAVEMENT WITH DAIRY ROAD AND KUIHELANI HIGHWAY (ROUTE 380)

Indicates Grass & / or Physical Barrier on Median.

SCALE: (In Miles) 4" = 1 mile

0 | 1 (1.05) | 2 | 3

Divided Highway – Undivided
- Shoulder: Width and Type: 2' AC (0.45); 4' AC; 4' – 6' AC
- Pavement: Width and Type: 44' AC; 22' AC; 44' AC; 11' AC; 12' AC; 12'–24' AC; 24' AC
- Shoulder: Width and Type: 2'–4' AC; 0'; 2' AC; 0'; 6' AC

Divided Highway
- Median: Width and Type: 0.09; 0' – 10' PAINTED; 0.28; 0.38; 11' PAINTED AC; 0.58; 10' PAINTED AC; 0.73; 12' PAINTED AC; 0.98 — 0'–30' TREES AND GUARDRAILS (L & R)
- Shoulder: Width and Type: 0'; 0'; 6' AC
- Pavement: Width and Type: 22' AC; 22' AC; 0.45; 11' AC; 12' AC
- Shoulder: Width and Type: 2' AC; 2' AC; 4' AC; 4' – 6' AC; 0.98; 1.05

Number of Traffic Lanes: 4 – 11'; (L) 1–11' (R) 2–11'; 2 – 12'; 1 – 12'; 12'–24'; 2 – 12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 0.04; 11'; 0.20; 10'; 0.24; 0.13; 10'; 0.41; 11'; 0.52; 0.62; 10'; 0.74; 10'; 0.78; 0.80; 0.85; 12'; 1.05; 11'

(Right Side): 11'; 0.46; 11'; 0.44; 10'; 0.84; 12'; 0.87; 11'; 1.04

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

Sidewalk: Width and Type (Right and Left): 6'–8' CONC. S/W; 6'–10' CONC. S/W; 6' CONC. S/W; 4' AC S/W; 4' BITUMINOUS S/W; 4' BITUMINOUS S/W; 0.97

Curb and/or Gutter: Type (Right and Left): CONC. CURB; CONC. CURB; CONC. CURB; B.P. CURB; 0.45

Protective Devices: Type, Location and Number: 0.17; 0.25; 0.87; M / M

Illumination: Type, Location and Number: 18 MV

Curves: Degree of Curvature (Right and Left):

Superelevation (Range):

Grades: % Grade, Positive or Negative:

Vertical Curve: Crest or Sag, Curve Limits:

Area and Development: SMALL URBAN

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: F L A T

Speed: 1–Design, 2–Posted: 30 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing: 0.19; 4 PHASE TRAFFIC LIGHT; 0.46; 3 PHASE; 0.85

Traffic Stations (Current Year): B74 3500 00000; B74 3500 00046

HPMS Sections – AADT 2009: 14,600; 28,200

HPMS Sections – AADT 2008: 19,173; 24,636

HPMS Sections – AADT 2007: 19,495; 25,050

DOD Sections: 0.46; DOD 680

Census Tracts:

Functional Classification: PRINCIPAL ARTERIAL (3)

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

Previous Projects: Project No., Date and Limits:

STP–3500 (5) 1996 RESURFACE (1.09)

0.09; HES 3500(4) 1994; 0.28

380A–01–72 1976 RESURFACE; 0.92; M – 3500 1981

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3

Date Released
Oct 2004 GN

Revised	
FEB., 06	D.B.
Nov., 06	D.B.
Dec. 09	D.B.
Feb. 11	D.B.

ROAD INVENTORY
MAUI RTE 3800
PROPOSED AIRPORT EXTENSION

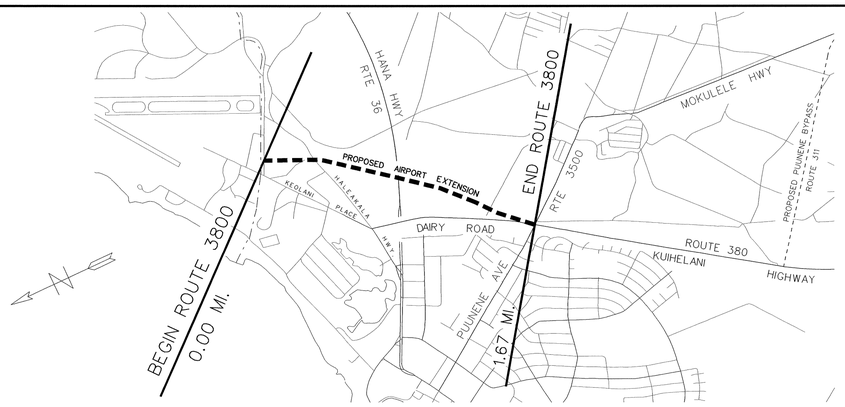
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length:	1.67	MILES (a+b)
a. Existing Length:	0.00	MILES
b. Proposed Length:	1.67	MILES
Total Travel Way Length:	0.00	MILES (a+b, less c)
a. Existing Length:	0.00	MILES
b. Temporary Length:	0.00	MILES
c. Length used as T.W. for another Route:	0.00	MILES (–)

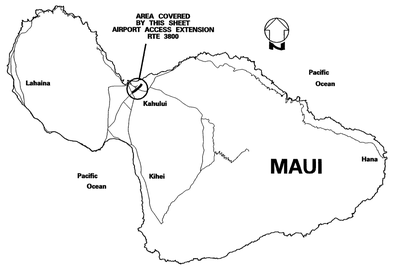
NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles) 4" = 1 mile

0 1 2 3 4 5

Maintenance Control Sections : Length and Description			
Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed		
	Vertical Clearance		
	Horizontal Clearance		
Structure Over Road	Vertical Clearance		
	Horizontal Clearance		
Right of Way Width (min.–max.) if varies			
Available Right of Way Width (Needs Study)			
Right of Way Fence: Type – Right and Left			
Control of Access: 1–None, 2–Partial, 3–Full			
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)		State	
Project No., Type of Construction, and Year Constructed			
Project No., Type of Construction, and Year Constructed			



Road Diagram
* MP = Milepost Signage

0.00 mi. Begin Route 3800 on Proposed Road at the Kahului Airport Boundry.

Proposed Airport Extension

1.67 mi. End Proposed Rte 3800 at the Center-Line Intersection of Kuihelani Hwy and Puunene Ave (Rte 3500)

SCALE: (In Miles) 4" = 1 mile

0 1 2 3 4 5

Divided Highway	Undivided	Shoulder: Width and Type	
		Pavement: Width and Type	
		Shoulder: Width and Type	
		Median: Width and Type	
		Shoulder: Width and Type	
		Pavement: Width and Type	
		Shoulder: Width and Type	
Number of Traffic Lanes			
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)			
(Right Side)			
Frontage Road: No. of Lanes, and Width (Right and Left)			
Sidewalk: Width and Type (Right and Left)			
Curb and/or Gutter: Type (Right and Left)			
Protective Devices: Type, Location and Number			
Illumination: Type, Location and Number			
Curves: Degree of Curvature (Right and Left)			
Superelevation (Range)			
Grades: % Grade, Positive or Negative			
Vertical Curve: Crest or Sag, Curve Limits			
Area and Development:		Small Urban	
Terrain: 1–Flat, 2–Rolling, 3–Mountainous			
Speed: 1–Design, 2–Posted			
Intersection Control Devices: Type, Location and Cycle Timing			
Traffic Station		B74 3800 00000	
DOD Sections			
Census Tracts			
Functional Classification		Principle Arterial (3)	
National Highway System (NHS)		On NHS – Unbuilt	
Previous Projects: Project No., Date and Limits			

SCALE: (In Miles) 4" = 1 mile

0 1 2 3 4 5

Date Released
July 2002, DB

Revised	
FEB., 06	D.B.
Nov., 06	D.B.
Feb. 11	D.B.

ROAD INVENTORY

MOLOKAI RTE 450
KAMEHAMEHA V 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

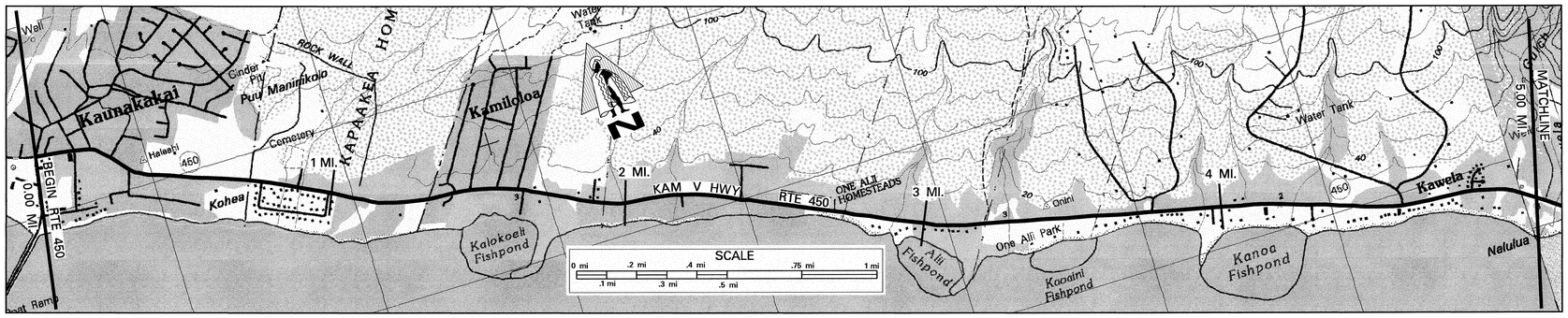
Total Route Length: 27.51 miles

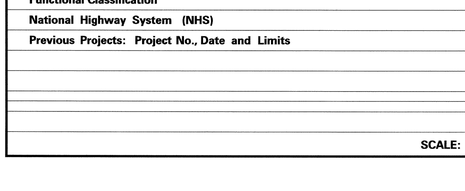
a. Survey Length: 27.51 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*





Road Diagram

* MP = Milepost Signage

BEGIN ROUTE 450 ON KAM V HIGHWAY AT THE EAST EDGE OF PAVEMENT OF KAUNAKAKAI PLACE (ROUTE 460)

0.00 mi.

MOHALA ST. 0.02 mi.
KAMOI ST. 0.12 mi.
KAUNAKAKAI SCH. 0.18 mi.
AILOA ST. 0.28 mi.
OKI PLACE 0.29 mi.
ROAD TO "DUKE MALU'U" PARK 0.32 mi.
0.46 mi.
EDUCATION CTR. 0.69 mi.
ALANUI KA'IMI IKE 0.77 mi.
KAPAAKEA LOOP 0.85 mi.
CULVERT 0.89 mi.
KAPAAKEA CEMETERY 0.90 mi.
CULVERT 0.99 mi.
KAPAAKEA LOOP 1.00 mi.
CULVERT 1.19 mi.
HOTEL ENT. 1.34 mi.
HOTEL ENT. 1.40 mi.
KAMILOLOA PLACE 1.42 mi.
AAHI PLACE 1.47 mi.
CULVERT 1.53 mi.
ILIAHI PLACE 1.56 mi.
KAHINANI PLACE 1.63 mi.
OPUA PLACE 1.70 mi.
OHAI ALII PLACE 1.89 mi.
KAMILOLOA BRIDGE 1.99 mi. 2.00 mi.
PANO PLACE 2.39 mi.
CULVERT 2.47 mi.
KAM V HWY
ONEALII PARK #1 3.33 mi.
KAWELA PLANTATION #3 3.76 mi.
MAKAKUPAIA BRIDGE 3.94 mi. 4.01 mi.
HOOULU PL. 4.30 mi.
PAVED ROAD 4.59 mi.
CULVERT 4.66 mi.
KAMAKANA PLACE 4.84 mi. 5.00 mi.
0 MP 1 MP 2 MP 3 MP 4 MP 5 MP
5.00 mi.
CONTINUES ON SHEET #2

	SCALE: (In Miles) 4" = 1 mile	0 | 1 | 2 | 3 | 4 | 5
	Maintenance Control Sections : Length and Description	0.02 Begin 450A on Kam V Hwy, 84' East of the East edge of pavement of Kaunakakai Wharf Road. — 450A (10.13 MI)
Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed	SLAB 1940 H15 25' (1.99) — SLAB 1940 H20 23' (3.69)
	Vertical Clearance	
	Horizontal Clearance	26' (1.99) — 26' (3.69)
Structure Over Road	Vertical Clearance	
	Horizontal Clearance	
	Right of Way Width (min.–max.) if varies	60' – 80' (1.00) — 80'
	Available Right of Way Width (Needs Study)	RESIDENTIAL AREA (1.00) — TREES AND BUSHES (FEW HOMES) (3.46)
	Right of Way Fence: Type – Right and Left	WIRE ON WOOD 15' FROM PAVEMENT (3.18) / WIRE ON WOOD 15' 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	0.01 450AB–01–01M 2001 RESURFACE (1.28) — STP–0450(7) 1998 (1.79) — (1.80) STP–0450(6) 1996 RESURFACE
	Project No., Type of Construction, and Year Constructed	

	SCALE: (In Miles) 4" = 1 mile	0 | 1 | 2 | 3 | 4 | 5
Divided Highway – Undivided	Shoulder: Width and Type	6' AC (3.69) — 4' AC
	Pavement: Width and Type	24' AC (1.99) — 22' AC
	Shoulder: Width and Type	6' AC (3.69) — 4' AC
Divided Highway	Median: Width and Type	
	Shoulder: Width and Type	
	Pavement: Width and Type	
	Shoulder: Width and Type	
	Number of Traffic Lanes	2 – 12' (1.99) — 2 – 11'
	Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	NONE
	(Right Side)	NONE
	Frontage Road: No. of Lanes, and Width (Right and Left)	
	Sidewalk: Width and Type (Right and Left)	0.27 6' BP (1.01)
	Curb and/or Gutter: Type (Right and Left)	
	Protective Devices: Type, Location and Number	(3.92) (3.96)
	Illumination: Type, Location and Number	MERCURY VAPOR (1.00) (1.48) MERCURY VAPOR (2.37) 1 MV (2.90) 1 MV (3.35)
	Curves: Degree of Curvature (Right and Left)	
	Superelevation (Range)	
	Grades: % Grade, Positive or Negative	0.43 0 0.73 0.91 –1 1.14 1.75 +1 1.87 2.32 0 2.47 2.80 0 2.98
	Vertical Curve: Crest or Sag, Curve Limits	
	Area and Development:	RURAL
	Terrain: 1–Flat, 2–Rolling, 3–Mountainous	FLAT (1)
	Speed: 1–Design, 2–Posted	NOT POSTED 0.88
	Intersection Control Devices: Type, Location and Cycle Timing	35 MPH (2)
	Traffic Stations (Current Year)	B75 0450 00000 — B75 0450 00134 (1.34) — B75 0450 00189 (1.89)
	HPMS Sections – AADT 2009	5,700 — 4,668 — 2,700
	HPMS Sections – AADT 2008	5,800 — 4,589 — 2,058
	HPMS Sections – AADT 2007	5,875 — 4,545 — 1,195
	DOD Sections	
	Census Tracts	
	Functional Classification	MAJOR COLLECTOR (5)
	National Highway System (NHS)	NOT ON NHS (0)
	Previous Projects: Project No., Date and Limits	HWY–M–06–96M 1997 (1.80) — HWY–M–02–90 1991 SHOULDER IMPROVEMENT (3.69)
		0.51 RS–0450(4) 1988 RESURFACE (1.99) — RS–0450(1) 1979 RESURFACE
		450A–01–72 1972 RESURFACE — FAS 2A 1940
		COUNTY (1.00) (1.90) — FAS 2A(1) 1938
	SCALE: (In Miles) 4" = 1 mile	0 | 1 | 2 | 3 | 4 | 5

Date Released
Oct 2004 GN

Revised	
Nov., 06	D.B.
Dec.09	D.B.
Feb. 11	D.B.

ROAD INVENTORY

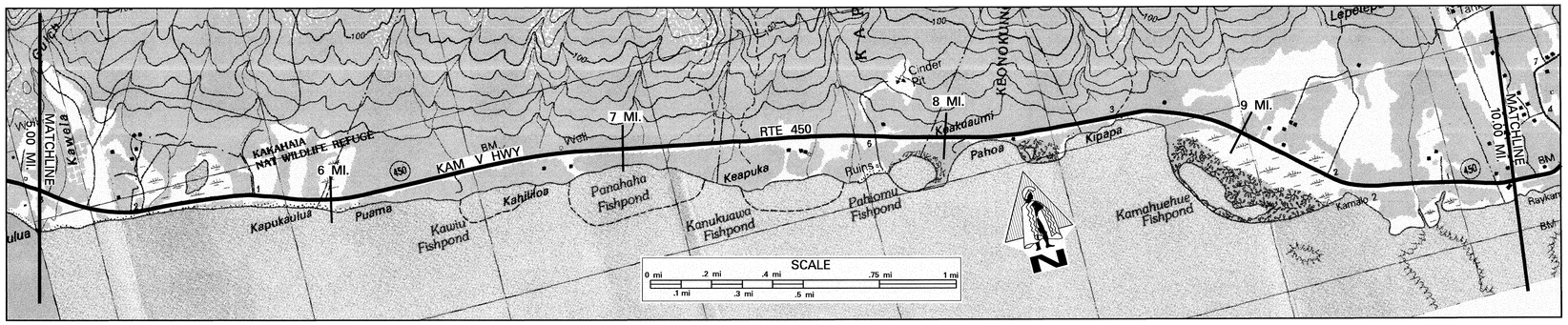
MOLOKAI RTE 450
KAMEHAMEHA V HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

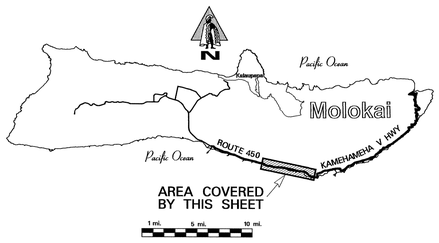
PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 27.51 miles
a. Survey Length: 27.51 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	450A (10.13 MI)
Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed	SLAB 1940 H15 46' @ 5.62; PRESTRESSED CONCRETE SLAB 1981 HS-20-44 43' @ 9.15
Structure Carrying Road	Vertical Clearance	
Structure Carrying Road	Horizontal Clearance	26' @ 5.62; 28' @ 9.15
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	WIRE ON WOOD 15' FROM PAVEMENT @ 5.62; NONE; WIRE ON WOOD 15' FROM PAVEMENT @ 9.15; WIRE ON WOOD
	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	450AB-01-01M 2001 RESURFACE @ 7.17
	Project No., Type of Construction, and Year Constructed	STP-0450(6) 1996 RESURFACE @ 7.18; STP-0450(7) 1998 @ 7.84; STANDARD WORD SIZE



Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET #1

5.00 mi. — KAWELA BRIDGE (5 MP) — KAWELA PLANTATION #1 — CULVERT — CULVERT — ECB (R) — CULVERT — CULVERT — CULVERT — CULVERT — FORD — PROJ. MARKER — KAMALO BRIDGE — CULVERT — CULVERT — 10.00 mi.

KAMEHAMEHA V HIGHWAY

6 MP · 7 MP · 8 MP · 9 MP

5.00 mi. · 5.11 mi. · 5.22 mi. · 5.42 mi. · 5.52 mi. · 5.75 mi. · 6.01 mi. · 6.19 mi. · 6.46 mi. · 7.01 mi. · 7.15 mi. · 7.28 mi. · 7.76 mi. · 8.03 mi. · 8.16 mi. · 9.03 mi. · 9.65 mi. · 9.84 mi. · 9.91 mi.

CONTINUED ON SHEET #3

	SCALE: (In Miles) 4" = 1 mile	5 | 6 | 7 | 8 | 9 | 10
Divided Highway – Undivided	Shoulder: Width and Type (GRASS UNLESS NOTED)	4' AC; 25'-30' @ 7.84; 8' @ 7.96; 30' @ 8.27; 6' @ 8.42; 30' @ 8.48; 20' DIRT @ 8.75; 10' GRV @ 9.14; 10' @ 9.38
Divided Highway – Undivided	Pavement: Width and Type	22' AC; 20' AC @ 7.14
Divided Highway – Undivided	Shoulder: Width and Type (GRASS UNLESS NOTED)	4' AC; 20'; 10'; 12' DIRT @ 8.03; 8' @ 8.13; 10' @ 8.29; 15' @ 8.44; 18' DIRT @ 8.77; 8' @ 9.53; 6' DIRT @ 9.61; 4'; 10' @ 9.94
Divided Highway	Median: Width and Type	
Divided Highway	Shoulder: Width and Type	
Divided Highway	Pavement: Width and Type	
Divided Highway	Shoulder: Width and Type	
	Number of Traffic Lanes	2 – 11' @ 7.14; 2 – 10'
	Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	NONE
	(Right Side)	NONE
	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)	5.08–5.13; 6.17–6.21; 6.44–6.47; 7.11–7.15; 7.25–7.29; 9.63–9.65
	Illumination: Type, Location and Number	
	Curves: Degree of Curvature (Right and Left)	
	Superelevation (Range)	
	Grades: % Grade, Positive or Negative	5.43–5.63: 0; 6.89–7.12: –1
	Vertical Curve: Crest or Sag, Curve Limits	
	Area and Development:	RURAL
	Terrain: 1–Flat, 2–Rolling, 3–Mountainous	FLAT; 6.14–8.77: ROLLING / FLAT; 8.52–8.71: FLAT
	Speed: 1–Design, 2–Posted	35 MPH (2); 45 MPH (MIN. 35 MPH) (2); 35 MPH (1) / 35 MPH (2) @ 8.79
	Intersection Control Devices: Type, Location and Cycle Timing	
	Traffic Stations (Current Year)	B75 0450 00189; B75 0450 00522; B75 0450 00784
	HPMS Sections – AADT 2009	2,700; 1,300; 1,100
	HPMS Sections – AADT 2008	2,058; 1,315; 1,269
	HPMS Sections – AADT 2007	1,195 @ 5.22; 1,195; 1,040 @ 7.84
	DOD Sections	
	Census Tracts	
	Functional Classification	MAJOR COLLECTOR (5)
	National Highway System (NHS)	NOT ON NHS (0)
	Previous Projects: Project No., Date and Limits	HWY-M-06-96M 1997 @ 7.17
		RS-0450(1) 1979 RESURFACE @ 7.14; 450AB-01-89M 1990 RESURFACE
		FAS 2A 1940 @ 7.13; STA. 390+50 @ 7.39; S-2(2) 1947; STA. 430+25 @ 8.14; STA. 0+00; 450AB-01-76M 1976 RESURFACE
		FAS 2A(1) 1938; COUNTY
	SCALE: (In Miles) 4" = 1 mile	5 | 6 | 7 | 8 | 9 | 10

Date Released
Oct 2004 GN

Revised	
Aug., 06	D.B.
Feb. 11	D.B.

ROAD INVENTORY

MOLOKAI RTE 450
KAMEHAMEHA V HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
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FEDERAL HIGHWAY ADMINISTRATION

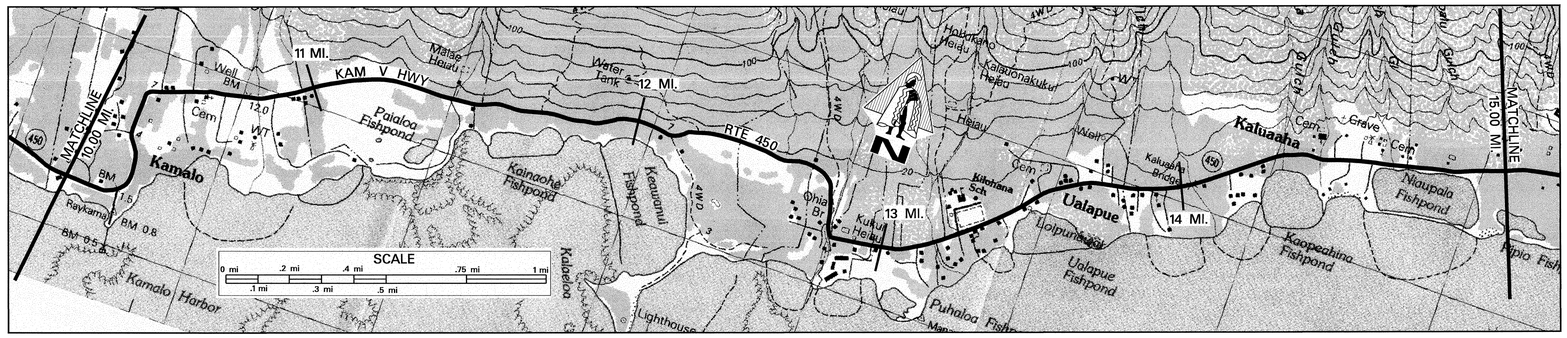
Total Route Length: 27.51 miles

a. Survey Length: 27.51 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 4" = 1 mile

10 | 11 | 12 | 13 | 14 | 15

Maintenance Control Sections : Length and Description

BEGIN 450 B SAME AS BEGIN SR 450 — 450B (17.43 MI.)

Structure Carrying Road

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

PRE-STRESSED SLAB 22′ 1979 HS-20 | PRE-STRESSED SLAB 36′ 1979 HS-20

Vertical Clearance

18′ | 21′

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

80′

Available Right of Way Width (Needs Study)

TREES AND LARGE BUSHES W / SOME HOMES AND OPEN PASTURE

Right of Way Fence: Type – Right and Left

WIRE ON WOOD | WIRE ON METAL CHAIN LINK (11.99 – 13.03) | WIRE

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

NONE

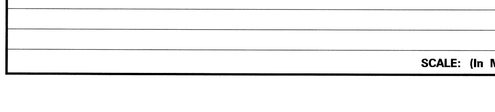
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)

STATE

Project No., Type of Construction, and Year Constructed

450AB–01–01M RESURFACE 2001 (11.33) | 450B–01–02M RESURFACE 2003

Project No., Type of Construction, and Year Constructed



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #2

10.00 mi.

KAMALO WHARF ROAD (10.15) | FORD (10.84) | FORD (11.02) | CULVERT (12.03) | CULVERT (12.12) | CULVERT (12.52) | OHIA BRIDGE (12.81) | HAW'N TEL. SUBSTATION (12.93) | Road to WAVECREST RESORTS (12.98) | FORD (13.01) | KILOHANA SCHOOL (13.17) | UALAPUE PLACE (13.26) | KALUAAHA BRIDGE (13.43) | KEALANUI OHINA PL. (14.02)

KAMEHAMEHA V HIGHWAY

10 MP | 11 MP | 12 MP | 13 MP | 14 MP

10.02 mi. | 14.15 mi.

CONTINUES ON SHEET #4

15.00 mi.

SCALE: (In Miles) 4" = 1 mile

10 | 11 | 12 | 13 | 14 | 15

Divided Highway — Undivided

Shoulder: Width and Type (ALL GRASS UNLESS NOTED)

6′ – 8′ | 4′ (10.70–10.76) | 6′ (10.80) | b DIRT (11.04) | 8′ (11.16) | 6′ (11.33) | 2′ – 4′ AC (12.39) | 4′ AC / 2′ GRASS (14.05) | 2′ – 4′ AC

Pavement: Width and Type

18′ AC

Shoulder: Width and Type (ALL GRASS UNLESS NOTED)

4′ – 6′ (10.66) | 8′ (10.73) | 6′ (10.98) | 4′ (11.24) | 6′ | 2′ – 4′ AC

Divided Highway

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

2 – 9′

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

NONE

(Right Side)

NONE

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

NONE

Sidewalk: Width and Type (Right and Left)

NONE

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

NONE

Protective Devices: Type, Location and Number

METAL ON METAL (12.11–12.19) | METAL ON METAL (14.00–14.01)

Illumination: Type, Location and Number

1 INCA. (10.45)

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL

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

FLAT (1)

Speed: 1–Design, 2–Posted

35 MPH (1) (10.71) | 35 MPH (2) | 30 MPH (2) (13.59+) | 20 MPH (SCHOOL ZONE) (13.12) | 20 MPH (SCHOOL ZONE) (14.08) | 30 MPH (2) (14.13)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

B75 0450 00784 | B75 0450 01133 | B75 0450 01447

HPMS Sections – AADT 2009

1,100 | 1,173 | 961

HPMS Sections – AADT 2008

1,269 | 1,153 | 945

HPMS Sections – AADT 2007

1,040 | (11.33) 1,145 | (14.47) 790

DOD Sections

Census Tracts

Functional Classification

MAJOR COLLECTOR (5)

National Highway System (NHS)

NOT ON NHS (0)

Previous Projects: Project No., Date and Limits

450AB–01–01M 2001 RESURFACE (11.35)

HWY–M–01–96M 1997 (14.03–14.05) 450B–01–94M 1996 RESURFACE (14.07)

450AB–01–89 1990 RESURFACE (12.35) 450B–02–88 1988 SHOULDER IMPROVEMENTS (14.35) STP–0450(5) 1994 GUARDRAIL SHDLR. IMPROV.

450AB–01–76M 1976 RESURFACE (11.33) 450B–01–76M 1976 RESURFACE COUNTY (14.03–14.07) 450B–01–80M 1980 RESURFACE

SCALE: (In Miles) 4" = 1 mile

10 | 11 | 12 | 13 | 14 | 15

Date Released
Oct 2004 GN

Revised	
Nov., 06	D.B.
Dec. 09	D.B.
Feb. 11	D.B.

ROAD INVENTORY

MOLOKAI RTE 450
KAMEHAMEHA V HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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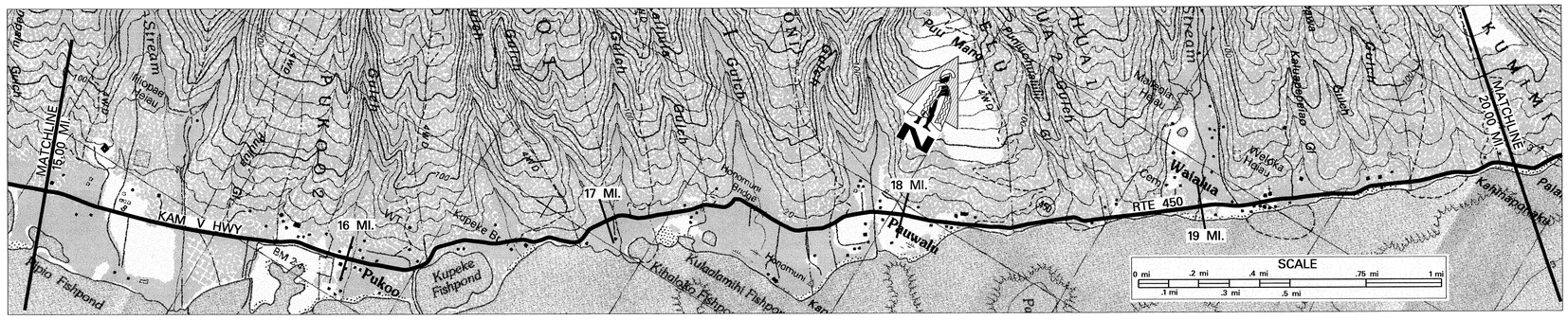
Total Route Length: 27.51 miles
a. Survey Length: 27.51 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*



SCALE: (In Miles) 4" = 1 mile

15 16 17 18 19 20

Maintenance Control Sections : Length and Description
450 B (17.43 MI.)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
SLAB 1950 (1968) HS20 — 42′
PRESTRESSED BEAM 1979 HS20 — 25′
PRESTRESSED BEAM 1979 HS20 — 16′
PRESTRESSED CONC. GIRDER 2007, HL-93 — 64′–2″
PRESTRESSED BEAM 1970 HS20 — 103′

Vertical Clearance

Horizontal Clearance
20′ | 21′ | 21′ | 32′ | 26′

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies
80′

Available Right of Way Width (Needs Study)
TREES AND LARGE BUSHES W/ SOME HOMES AND OPEN PASTURE

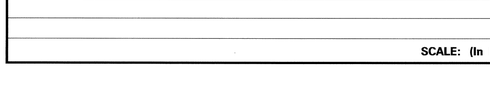
Right of Way Fence: Type – Right and Left
WIRE ON METAL WIRE (18.26)

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C)
STATE (130+00)

Project No., Type of Construction, and Year Constructed
450B–01–02M RESURFACE 2003 (16.53) | 450B–01–03M, RESURFACE, 2006 (17.86) | (ER–12(4), BRIDGE REPLACEMENT, 2007) (17.98) | 450B–01–03M, RESURFACE, 2006

Project No., Type of Construction, and Year Constructed
450B–01–94M RESURFACE 1996 (18.82) | STP–0450(5) 1994 (19.05) | COUNTY (19.66) | 450B–01–88M 1988 (R)



Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET #3

15.00 mi.

MAPULEHU BRIDGE H.Y.B. MARKER 'ILI'ILI'OPAE HEIAU (15.03 mi.)
BEACH PARK (15.49 mi.)
FORD (15.70 mi.)
KUPEKE BRIDGE (16.07 mi. / 16.06 mi.)
CULVERT (16.65 mi.)
HONOMUNI BRIDGE (17.05 mi. / 17.01 mi.)
KAWAIKAPU BRIDGE (17.47 mi.)
WAIALUA BRIDGE (17.91 mi. / 18.02 mi.)

KAMEHAMEHA V HIGHWAY
15 MP | 16 MP (136+40) | 17 MP | 18 MP | 19 MP

19.00 mi. / 19.03 mi.

CONTINUES ON SHEET #5

20.00 mi.

SCALE: (In Miles) 4" = 1 mile

15 16 17 18 19 20

Divided Highway

Undivided

Shoulder: Width and Type
2′ – 4′ AC | 6′ GRASS | 0′ | 2′ – 6′ AC

Pavement: Width and Type
18′ AC (16.08) | 16′ AC (18.65) | 14′ BST | 14′ BP | 14′ – 18′ AC

Shoulder: Width and Type
2′ – 4′ AC | 6′ GR | 0′ | 6′ – 8′ GRASS | 0′ | 8′ C | 2′ – 6′ AC

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes
2–9′ | 2–7′ (16.08–16.21) | 2 – 8′ | 2 – 7′ (18.65–19.66) | 2 – (7′–9′)

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
NONE

(Right Side)
NONE

Frontage Road: No. of Lanes, and Width (Right and Left)
NONE

Sidewalk: Width and Type (Right and Left)
NONE

Curb and/or Gutter: Type (Right and Left)
NONE

Protective Devices: Type, Location and Number METAL ON METAL
(15.47–15.50) (15.51) (16.63–16.65) (17.48–17.51) (17.91–17.95) (18.99–19.06)

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
RURAL

Terrain: 1–Flat, 2–Rolling, 3–Mountainous
FLAT (1) (16.00) | ROLLING / FLAT

Speed: 1–Design, 2–Posted
30 MPH (2) | (1) 20 MPH (16.29–16.40) | 30 MPH (2) | 10 MPH (1) / 20 MPH (1) (19.03)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)
B75 0450 01447 | B75 0450 01665 | B75 0450 01862 | B75 0450 01966

HPMS Sections – AADT 2009
961 | 635 | 635 | 388

HPMS Sections – AADT 2008
945 | 624 (16.65) | 624 (18.62) | 381

HPMS Sections – AADT 2007
790 | 425 (18.47) | 425 | 425 (19.66)

DOD Sections

Census Tracts

Functional Classification
MAJOR COLLECTOR (5)

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

Previous Projects: Project No., Date and Limits
(136+40) 450B–01–94M 1996 RESURFACE | 450B–01–03M, RESURFACE, 2006 (18.82)
STP–0450(5) 1994 GUARDRAIL AND SHOULDER IMPROVEMENTS (19.05)
450B–01–80M 1980 RESURFACE (16.08–16.21) | 450B–01–81M 1981 RESURFACE (18.65) | 450B–01–87M 1987 RESURFACE (19.66)
COUNTY

SCALE: (In Miles) 4" = 1 mile

15 16 17 18 19 20

Date Released
Oct 2004 GN

Revised	
Nov., 06	D.B.
Feb., 08	D.B.
Feb., 11	D.B.

ROAD INVENTORY

MOLOKAI RTE 450
KAMEHAMEHA V 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

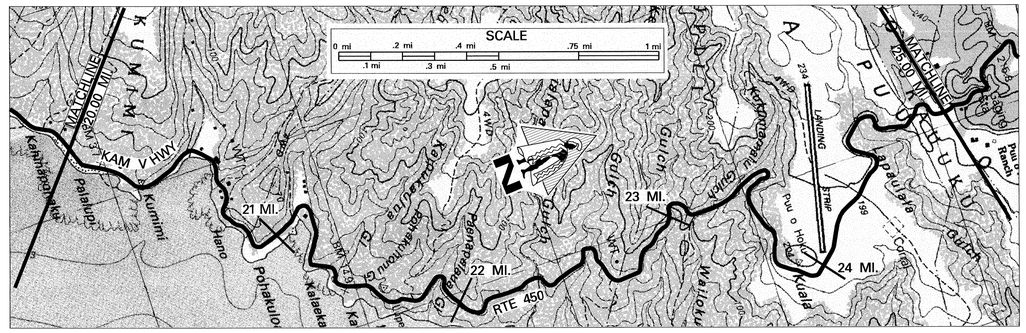
Total Route Length: 27.51 miles

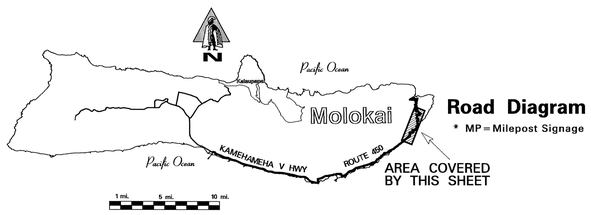
a. Survey Length: 27.51 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*





Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #4

CONTINUES ON SHEET #6

Maintenance Control Sections : Length and Description			450B (17.43 MI.)
Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed	56' CULVERT 1960 HS20	16' TIMBER STRINGER 2008, HS-20
	Vertical Clearance		
	Horizontal Clearance	12'	13'
Structure Over Road	Vertical Clearance		
	Horizontal Clearance		
Right of Way Width (min.–max.) if varies			80'
Available Right of Way Width (Needs Study)			TREES BUSHES AND SOME OPEN PASTURE
Right of Way Fence: Type – Right and Left		21.05	WOOD POST W/WIRE 10'–15' FROM PAVEMENT / WOOD ON WIRE 10'–15' FROM PAVEMENT 23.72
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)		420 + 00 0 + 00	S T A T E
Project No., Type of Construction, and Year Constructed		21.09 21.18 (450B–01–05M, Bridge Replacement, 2008) 22.04	450B–01–05M, Resurface, 2008
Project No., Type of Construction, and Year Constructed		450B–01–03M, RESURFACE, 2006	450B–01–88M RESURFACE 1988 (450B–01–92M (R) 1993) 24.96

20.00 mi. — 25.00 mi.

HONOULIWAI BR. (3 ARCH CULVERT) — HONOULIMALOO BR. — CULVERT — CULVERT — BRANT FIELD — RANCH ROAD

KAMEHAMEHA V HIGHWAY

20 MP — 21 MP (373 + 10) — 23 MP — 24 MP — 25 MP (139 + 70)

20.10 mi. — 20.53 mi. — 21.15 mi. 21.12 mi. — 22.57 mi. — 23.04 mi. 23.03 mi. — 24.03 mi. — 24.24 mi. — 24.96 mi. 24.94 mi.

Divided Highway, Undivided	Shoulder: Width and Type		2' – 6' AC (2' AC)
	Pavement: Width and Type		14' – 18' AC (14' AC)
	Shoulder: Width and Type		2' – 6' AC (2' AC)
Divided Highway	Median: Width and Type		
	Shoulder: Width and Type		
	Pavement: Width and Type		
	Shoulder: Width and Type		
Number of Traffic Lanes			2 – (7' – 9") (2–7')
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)			N O N E
(Right Side)			N O N E
Frontage Road: No. of Lanes, and Width (Right and Left)			
Sidewalk: Width and Type (Right and Left)			N O N E
Curb and/or Gutter: Type (Right and Left)			N O N E
Protective Devices: Type, Location and Number		PORTABLE CONC. BARRIER 20.01 – 20.10; M/M 21.14 – 21.17	
Illumination: Type, Location and Number			N O N E
Curves: Degree of Curvature (Right and Left)			
Superelevation (Range)			
Grades: % Grade, Positive or Negative			
Vertical Curve: Crest or Sag, Curve Limits			
Area and Development:			RURAL
Terrain: 1–Flat, 2–Rolling, 3–Mountainous		ROLLING 20.20 – MOUNTAINOUS F L A T 21.50	21.93 – MOUNTAINOUS
Speed: 1–Design, 2–Posted		10 MPH (1) / 20 MPH (2)	22.04 – 20 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing			
Traffic Stations (Current Year)			B75 0450 01966 (B75 0450 02494)
HPMS Sections – AADT 2009			388 100
HPMS Sections – AADT 2008			381 400
HPMS Sections – AADT 2007			425 405 (24.94)
DOD Sections			
Census Tracts			
Functional Classification			MAJOR COLLECTOR (5)
National Highway System (NHS)			NOT ON NHS (0)
Previous Projects: Project No., Date and Limits			450B–01–88M RESURFACE 1988
			450B–01–87M 1987 RESURFACE (24.99)
			COUNTY

Date Released	
Oct 2004	GN

Revised	
Nov., 06	D.B.
Mar., 09	D.B.
Feb. 11	D.B.

ROAD INVENTORY

MOLOKAI RTE 450
KAMEHAMEHA V 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

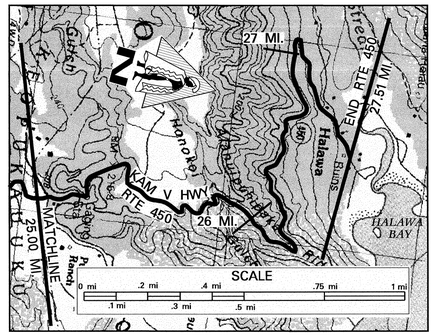
Total Route Length: 27.51 miles

a. Survey Length: 27.51 miles

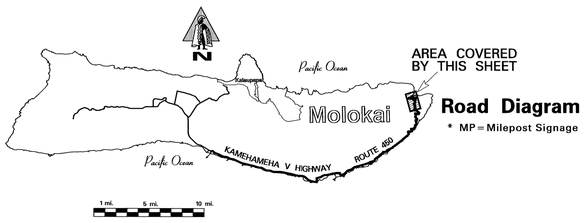
b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



		SCALE: (In Miles) 4" = 1 mile	25	26	27	28	29	30
		Maintenance Control Sections : Length and Description		450 B (17.43 MI.)				
Structure Carrying Road		Bridges (Over 20'): Length, Type, Capacity and Year Constructed		CULVERT				
		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		WOOD ON WIRE 10'-15' FROM PAVEMENT / WOOD ON WIRE 10'-15' FROM PAVEMENT (25.56)				
		Control of Access: 1–None, 2–Partial, 3–Full		NONE				
		Jurisdiction, Transfer Phase No. and Date (C to S or S to C)		STATE (275+60, 27.51)				
		Project No., Type of Construction, and Year Constructed		450-01-05M, Resurf., 2008				
		Project No., Type of Construction, and Year Constructed		450B-01-92M RESURFACE 1993				



CONTINUED FROM SHEET #5

25.00 mi.

CULVERT (25.08 mi.) — FORD (25.75 mi.) — 26 MP (25.98 mi.) — 27 MP (26.97 mi.) — ROAD TO CHURCH (27.46 mi.) — PARK ROAD (27.40 mi.)

KAMEHAMEHA V HIGHWAY

27.51 mi.

END ROUTE 450 ON KAMEHAMEHA V HIGHWAY AT THE END OF PAVEMENT.

		SCALE: (In Miles) 4" = 1 mile	25	26	27	28	29	30
Divided Highway	Undivided	Shoulder: Width and Type		2' AC				
		Pavement: Width and Type		14' AC				
		Shoulder: Width and Type		2' AC				
		Median: Width and Type						
		Shoulder: Width and Type						
		Pavement: Width and Type						
		Shoulder: Width and Type						
		Number of Traffic Lanes		2 – 7'				
		Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)		NONE				
		(Right Side)		NONE				
		Frontage Road: No. of Lanes, and Width (Right and Left)						
		Sidewalk: Width and Type (Right and Left)		NONE				
		Curb and/or Gutter: Type (Right and Left)		NONE (27.02, 27.14, M/M)				
		Protective Devices: Type, Location and Number		(25.06) (CRM) ROCK WALL (M/M 26.05, 26.15) (M/M 26.86, 27.01)				
		Illumination: Type, Location and Number		NONE				
		Curves: Degree of Curvature (Right and Left)						
		Superelevation (Range)						
		Grades: % Grade, Positive or Negative						
		Vertical Curve: Crest or Sag, Curve Limits						
		Area and Development:		RURAL				
		Terrain: 1–Flat, 2–Rolling, 3–Mountainous		MOUNTAINOUS (27.10) ROLLING				
		Speed: 1–Design, 2–Posted		20 MPH (2) (25.01) SPEED NOT POSTED				
		Intersection Control Devices: Type, Location and Cycle Timing						
		Traffic Stations (Current Year)		B75 0450 02494				
		HPMS Sections – AADT 2009		100				
		HPMS Sections – AADT 2008		98				
		HPMS Sections – AADT 2007		405				
		DOD Sections						
		Census Tracts						
		Functional Classification		MAJOR COLLECTOR (5)				
		National Highway System (NHS)		NOT ON NHS (0)				
		Previous Projects: Project No., Date and Limits						
				COUNTY				

Date Released	
Oct 2004	GN
Revised	
Nov., 06	D.B.
Feb., 09	D.B.
Feb., 11	D.B.

ROAD INVENTORY

MOLOKAI RTE 460

KAUNAKAKAI PLACE AND MAUNALOA 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

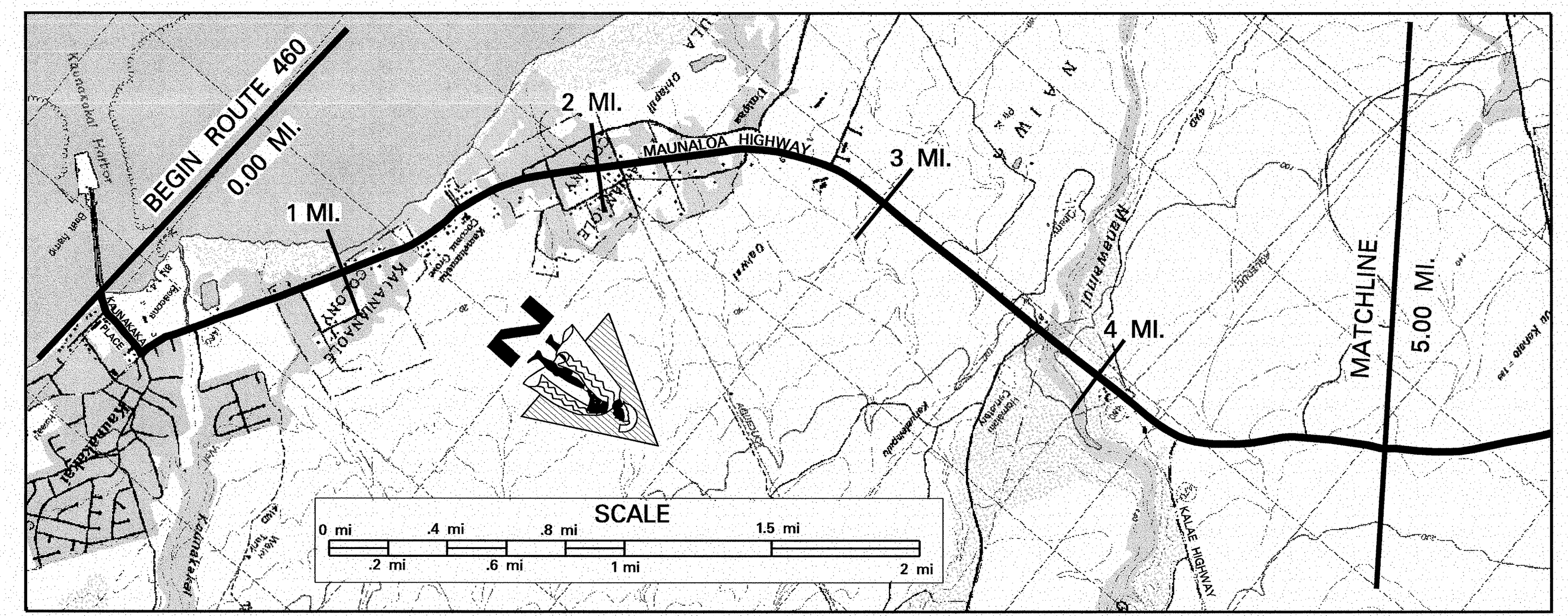
Total Route Length: 16.56 miles

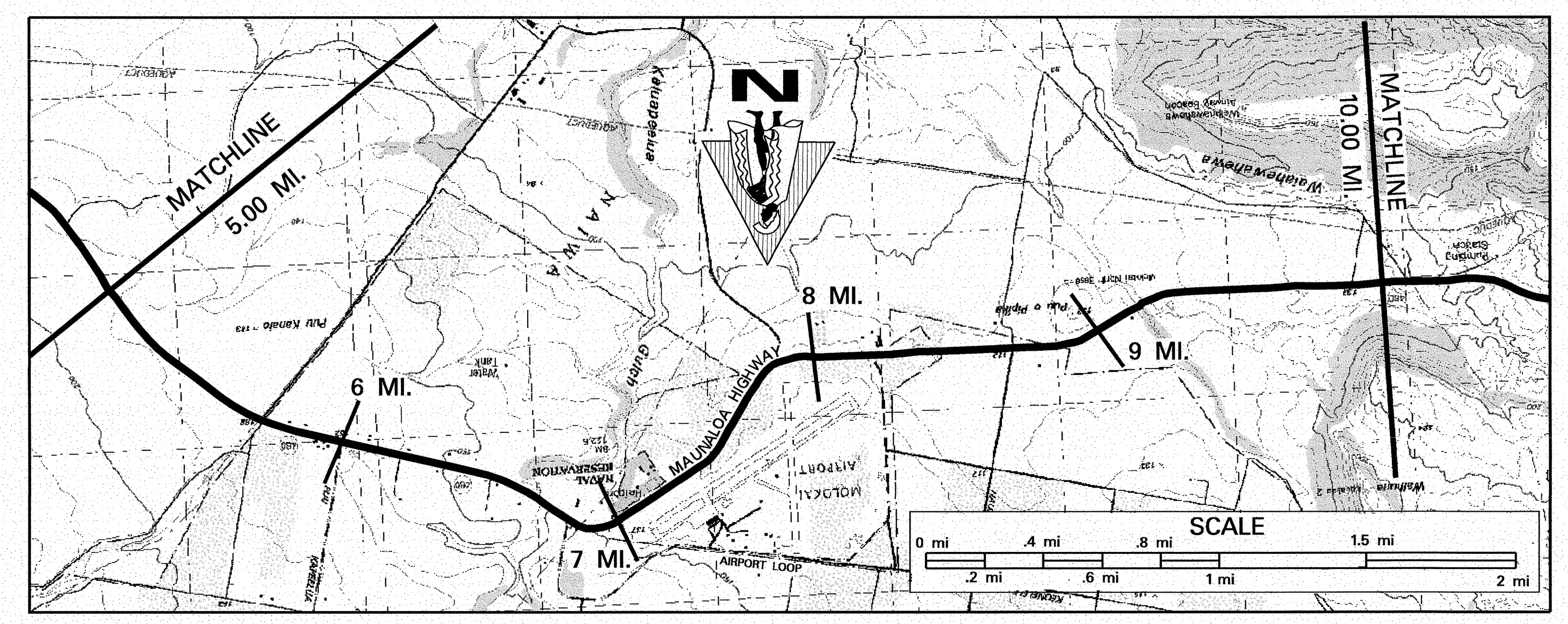
a. Survey Length: 16.56 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



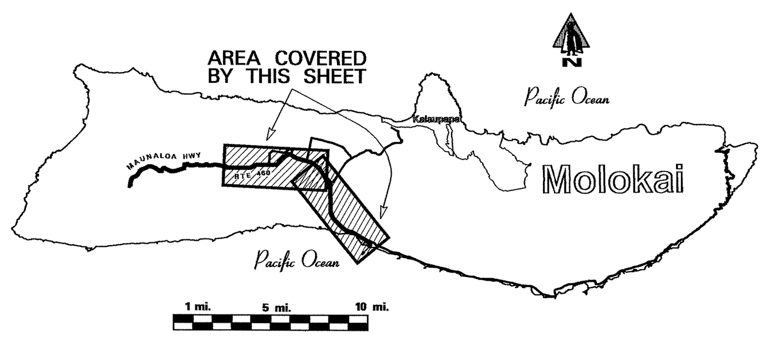


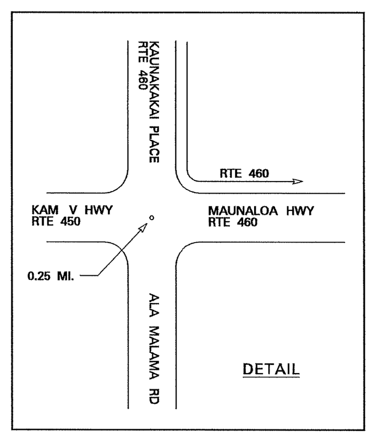
SCALE: (In Miles) 2" = 1 mile

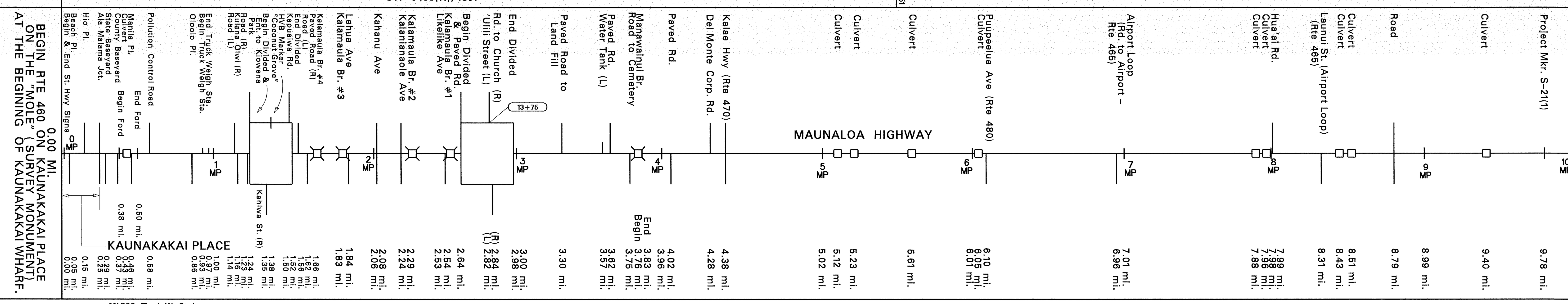
Item	0–5 mi	5–10 mi
Maintenance Control Sections : Length and Description	Begin 460A Same As Begin Rte 460	460A (16.56 mi.)
Structure Carrying Road – Bridges (Over 20'): Length, Type, Capacity and Year Constructed	Culvert 1959 (1971) HS-20: 73' (0.43); Slab 1954 H-20: 35' (1.66), 35' (1.83), 35' (2.29), 35' (2.54); Prestressed Conc. Girder 1988, HS-20-44: 364' (3.76)	
Vertical Clearance		
Horizontal Clearance	36' (0.43); 36' (1.66); 36' (1.83); 36' (2.29); 36' (2.54); 41' (3.76)	
Structure Over Road – Vertical Clearance		
Horizontal Clearance		
Right of Way Width (min.–max.) if varies	80' to 3.17; 70'–160' 3.17–4.19; 80'–160' 4.19–5.72	80'–160' to 5.72; 50' 5.72–6.91; 80'–110' 6.91–7.84; 100' 7.84–9.80; 80'–400'
Available Right of Way Width (Needs Study)	Residential Area to 1.53; 2.02 1000' Clear – Grass, Bushes 10'-15' from Pavement to 4.45; 1000' Clear Pineapple 15'-25' from Pavement 4.45–5.71	Ranch and Pasture 5.71–7.04; Airport 30' 7.04–7.49; Clear 1000' Pineapple/Grass Pasture
Right of Way Fence: Type – Right and Left	Wire on Wood 10' from Pavement 2.02–4.01; Wire on Wood 10' from Pavement 1.98–4.01	Wire on Wood 10' from Pavement 6.04–8.31; ChainLink 7.09–7.49
Control of Access: 1–None, 2–Partial, 3–Full	None	
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	State	
Project No., Type of Construction, and Year Constructed	(0+00) 460A-01-06M, RESURFACE, 2009 (144+00) 5.14	5.49 STP-0460(12), Resurface, 1998
Project No., Type of Construction, and Year Constructed	STP-0460(11), 1997 to 5.51	

Road Diagram

* MP=Milepost Signage







CONTINUED ON SHEET #2

SCALE: (In Miles) 2" = 1 mile

Item	0–5 mi	5–10 mi
Divided Highway – Undivided – Shoulder: Width and Type	20' PCC (Truck Wt. Sta.) 0.93–0.99; 4' AC to 0.39; 8' AC 0.39–0.50; 4' AC 0.50–0.93; 4' AC; (8' PCC)	4' AC to 5.87; 8' AC 5.87–6.73; 4' AC 6.73–6.85; 8' AC 6.85–6.93; 4' AC
Pavement: Width and Type	24' AC; 12' AC; 24' AC; 12' AC; 24' AC; (24' PCC)	24' AC; 22' AC from 9.78
Shoulder: Width and Type	4' AC to 0.39; 8' AC 0.39–0.50; 4' AC; 0; 4' AC; 0; 4' AC; (8' PCC) 3.76–3.83; 7' AC 3.83–3.91; 4' AC 3.91–4.63; 6' AC 4.63–4.89; 4' AC	4' AC to 5.77; 8' AC 5.77–6.06; 4' AC 6.06–6.21; 8' AC 6.21–6.72; 4' AC 6.72–6.87 (8' AC) 6.93; 4' AC
Median: Width and Type	12' Painted AC 1.24–1.52; 12' Painted AC 2.64–2.98	
Median Barriers:		
Shoulder: Width and Type	0; 0	
Pavement: Width and Type	12' AC; 12' AC	
Shoulder: Width and Type	4' AC; 4' AC	
Number of Traffic Lanes	2–12'	2–12' to 9.78; 2–11'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	1–12' (L) TL 1.35–1.44; 2.82–2.97; 2.84–2.90; 3.30–3.43; 4.30–4.37–4.40 12' Lanes	
(Right Side)	2.72–2.82	
Frontage Road: No. of Lanes, and Width (Right and Left)		
Sidewalk: Width and Type (Right and Left)		
Curb and/or Gutter: Type (Right and Left)	2.61; 3.42; 3' Conc. Gutter 4.63–4.89	AC Curb 5.87–6.73; AC Curb 5.77–6.06; AC Curb 6.21–6.72
Protective Devices: Type, Location and Number (Metal Rails on Metal Posts)	1.58–1.82; 1.62–1.84; 2.17–2.61; 3.42–3.54; 3.40; 4.47–4.62	6.73–6.85; 6.82–6.86; 7.55; 7.48–7.61
Illumination: Type, Location and Number	Mercury Vapor; 1.49; 1.62; 1.84 1 MV; 2.08 1 MV; 2.26 1 MV; 2.63; 3.40	6.06 6.13 1 MV
Curves: Degree of Curvature (Right and Left)		
Superelevation (Range)		
Grades: % Grade, Positive or Negative	0.57 –1 1.04; 1.06 +1 1.23; 2.21 –1 2.32; 3.03 –6 3.30; 3.90 –8 4.16	5.07 +2 5.25; 5.98 –1 6.35; 7.18 –1 7.49; 8.51 –1 8.88; 9.09 +1 9.25; 9.45 –2 9.78; 9.79 –2
Vertical Curve: Crest or Sag, Curve Limits		
Area and Development:	Rural	
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Flat to 2.56; Rolling 2.56–5.56	Flat from 5.56
Speed: 1–Design, 2–Posted	(20 MPH (1)); 35 MPH (2) 0.14–0.62; 20 MPH (2) to 0.52; 45 MPH (2)	
Intersection Control Devices: Type, Location and Cycle Timing		
Traffic Stations (Current Year)	B75 0460 00000; B75 0460 00025; B75 0460 00135; B75 0460 00284; B75 0460 00438	B75 0460 00610; B75 0460 00696; B75 0460 00831
HPMS Sections – AADT 2009	1,496; 5,200; 5,800; 4,282; 2,522	1,839; 1,000; 980
HPMS Sections – AADT 2008	1,471; 6,588; 4,805; 2.84; 4,210; 2,479	1,808; 1,180; 914
HPMS Sections – AADT 2007	1,315; 6,870; 1.35; 5,255; 2.82; 4,750; 2,615	6.10; 1,395; 1,415; 1,350
DOD Sections	0.25; 4.38	6.96; 8.31
Census Tracts		
Functional Classification	Major Collector (5)	
National Highway System (NHS)	Not on NHS (0)	
Previous Projects: Project No., Date and Limits	460A-01-90M (Shoulder Paving), 1991; RS-0460(1) Resurface, 1979; 0.43 ⊲ 0.53 – (46A-02-71,1971); 3.76 ⊲ 3.83 – (BR-0460(9), Bridge Replacement, 1988); (NRH 19-A, 1935) ⊳ 0.29 F-19(4) 1953, 1954 3.11 FAP 19D, 1939 4.12 F-046(1), 1955 5.62	6.65 460A-01-91M (Shoulder Paving), 1992; 6.98; 5.61 RS-0460(8), Resurf., 1987 6.68; 7.04 460B-01-83M Resurf., 1983; NRH 34 A(1) 1939 6.84 F-046(1), 1955 7.85 F-34(2), 1952 9.80; Sta. 0+00 Sta. 463+28; Sta. 360+00; (FAS 21(1), 1949)

SCALE: (In Miles) 2" = 1 mile

Date Released	
Mar. 04, D.B.	
Revised	
Nov., 06	D.B.
Aug., 10	D.B.
Feb. 11	D.B.

ROAD INVENTORY

MOLOKAI RTE 460

KAUNAKAKAI PLACE AND MAUNALOA 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

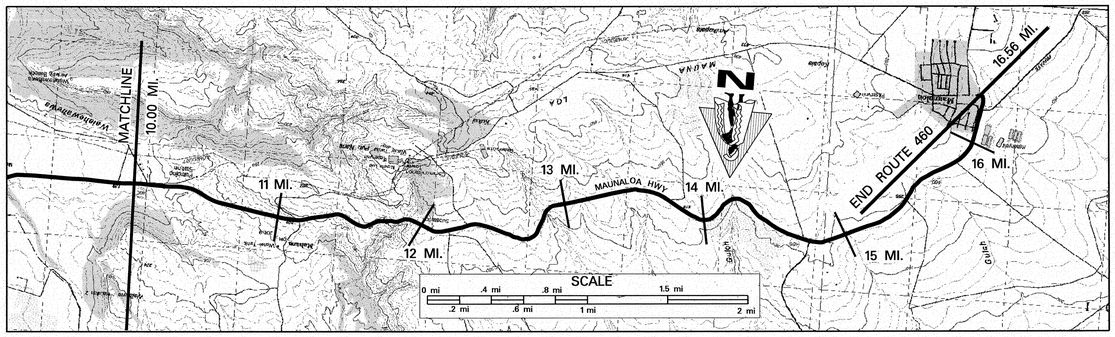
Total Route Length: 16.56 miles

a. Survey Length: 16.56 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Maintenance Control Sections : Length and Description

460 A (16.56 mi.) — End 460 A same as end Rte 460

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' – 400'

Available Right of Way Width (Needs Study) — (Clear 1000' Pineapple/Grass Pasture) 10.26; 1000' Clear – Grass, Bushes, 10'–20' from Pavement

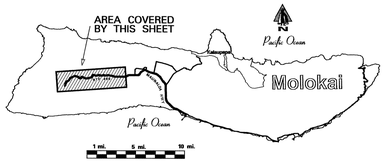
Right of Way Fence: Type – Right and Left — Wire on Wood 20'–30' from Pavement 10.26–12.19; Wire on Wood 20'–30' from Pavement 13.69–

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 — 460A–01–99M, Resurface, 2000

Project No., Type of Construction, and Year Constructed — STP-0460(12) Resurface, 1998 10.99–11.01; 460A–01–91M, Shldr. Paving, 1992 14.95–; RS–0900(24), Resurface, 1986



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #1

Culvert 10.83 mi. — Culvert 10.96 mi. — 11.13 mi. — 11.97 mi. — 12.93 mi. — 14.01 mi. — Kulakoi Resort ECB #19 14.87 mi. 14.91 mi. — End Divided Kaʻ Ana St. 16.00 mi. — Begin Divided 16.23 mi. — 16.40 mi. — 16.56 mi.

MAUNALOA HWY

11 MP 12 MP 13 MP 14 MP 15 MP 16 MP 17 MP

END RTE 460 ON MAUNALOA HIGHWAY AT THE CENTERLINE MONUMENT IN KAUNAKAKAI VILLAGE AT THE WEST END OF THE "END STATE HIGHWAY" SIGN. 16.56 MI.

SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Divided Highway — Undivided

Shoulder: Width and Type — 4' AC 10.83; 8' AC 10.97; 4' AC 14.95; 10' 15.15; 8' 15.23; 15' 15.60; 10' 15.72; 8' 15.82; 9'–15' 16.08; 14' 16.23; (9'–14' Grv.) 16.41; (15') 16.56

Pavement: Width and Type — 22' AC 14.95–16.08; 11' AC 16.08–16.23; 22' AC 16.23–16.56

Shoulder: Width and Type — 4' AC 14.95; 10' 15.15; 8' 15.23; 15' 15.60; 10' 15.72; 8' 15.82; 9'–15' 16.08; 14' 16.23; 0 16.41; (14') 16.40; (9'–14' Grv.) 16.56; (15')

Median: Width and Type — (12' Painted AC) 16.23–16.40; (15') 16.40–16.56

Median Barriers:

Shoulder: Width and Type — 0 16.23–16.40

Pavement: Width and Type — 11' AC 16.23–16.40

Shoulder: Width and Type — 14' Grass 16.23–16.40

Number of Traffic Lanes — 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) — All 2' Conc. Gutter unless otherwize noted; 3' Gutter 12.10–12.20

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

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative — –2 10.18–10.24; –6 10.24–10.47; –6 10.72–11.16; –8 11.27–11.48; –5 11.83–11.95; –3 13.11–13.33; +1 13.97–14.05; –2 14.48–14.77; +2 14.89–15.26; –1 15.40–16.36; –2 16.36–16.50

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: — Rural

Terrain: 1–Flat, 2–Rolling, 3–Mountainous — Flat 10.21; Rolling

Speed: 1–Design, 2–Posted — 45 MPH (2); (45 MPH (2)) 16.27; 20 MPH (2) 16.37; (35 MPH (2))

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year) — B75 0460 00831; B75 0460 01494

HPMS Sections – AADT 2009 — 980; 630

HPMS Sections – AADT 2008 — 914; 602

HPMS Sections – AADT 2007 — 1,350; 880

DOD Sections

Census Tracts

Functional Classification — Major Collector (5)

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

Previous Projects: Project No., Date and Limits

(460A–01–70, Slope Imprv., 1971) 11.56–11.86; (46A–01–71, Resurface, 1971) 11.99–12.20; (46A–01–71, 1971); 460B–01–83M, Resurface, 1983; 460A–01–91M, Shldr. Paving, 1992 14.95–16.56; RS–0900(24), Resurface, 1986; FAS 21(1), 1949

SCALE: (In Miles) 2" = 1 mile

10 11 12 13 14 15 16 17 18 19 20

Date Released
Mar. 04, D.B.
Revised
Nov., 06 *D.B.*
Mar., 09 *D.B.*
Feb. 11 *D.B.*

ROAD INVENTORY

MOLOKAI RTE 465
AIRPORT LOOP

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

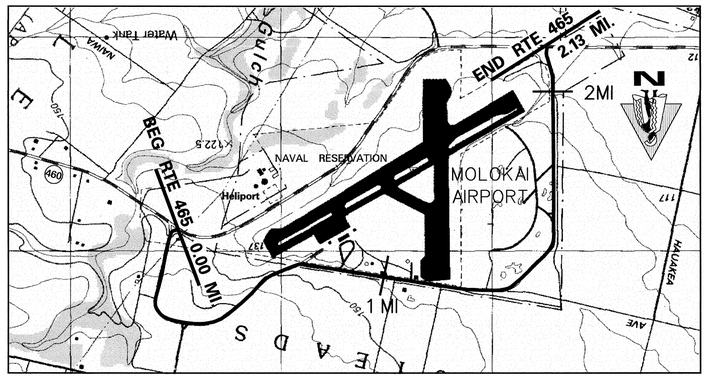
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length: 2.13 MILES (a+b)
- a. Existing Length: 2.13 MILES
- b. Proposed Length: 0.00 MILES

Total Travel Way Length: 2.13 MILES (a+b, less c)
- a. Existing Length: 2.13 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:
0 mi. 1 mi.

SCALE: (In Miles) 4" = 1 mile

0 1 2 3

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 — NONE

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

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage

BEGIN ROUTE 465 ON EAST JUNCTION OF AIRPORT LOOP AT THE NORTH EDGE OF PAVEMENT OF MAUNALOA HIGHWAY (RTE 460). 0.00 Mi.

END RTE 465 ON WEST JUNCTION OF AIRPORT LOOP (LAUNUI ST.) AT THE NORTH EDGE OF PAVEMENT OF MAUNALOA HIGHWAY (RTE 460). 2.13 Mi.

AIRPORT LOOP

Mokulele Street	Hoolehua Airport Road	Paved Roads	Dirt Road	Paved Road	Dirt Road
0.35 mi.	0.86 mi.	1.00 mi.	1.07 mi.	1.22 mi.	1.58 mi.	1.63 mi.	1.90 mi.

SCALE: (In Miles) 4" = 1 mile

0 1 2 3

Divided Highway

Undivided
- Shoulder: Width and Type — Dirt / Grass
- Pavement: Width and Type
- Shoulder: Width and Type — Dirt / Grass

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

40′ (0.00–0.36)	15′ (0.36–1.98)	10′ (1.98–1.79)	15′ (1.79–2.13)
	18′ AC (0.36–1.22)	18′ BP (1.22–1.79)	

15′ (0.00–0.22)	10′ (0.22–0.96)	6′ (0.96–1.07)	15′ (1.07–1.17)	20′ (1.17–1.41)	10′ (1.41–1.58)	15′ (1.58–1.70)	0 (1.70–1.79)	10′ (1.79–2.13)
		0.85		1.22				

Number of Traffic Lanes — 2 – 9′

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural

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

Speed: 1–Design, 2–Posted — 30 MPH

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)	B75 0465 00000	B75 0465 00035	B75 0465 00086
HPMS Sections – AADT 2009	650	910	260
HPMS Sections – AADT 2008	684	884	144
HPMS Sections – AADT 2007	820	235 (0.35–0.86)	205

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

0 1 2 3

Date Released
Jun 2002, JK

Revised	
Nov., 06	D.B.
Dec. 09	D.B.
Feb. 11	D.B.

ROAD INVENTORY

MOLOKAI RTE 470
KALAE 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

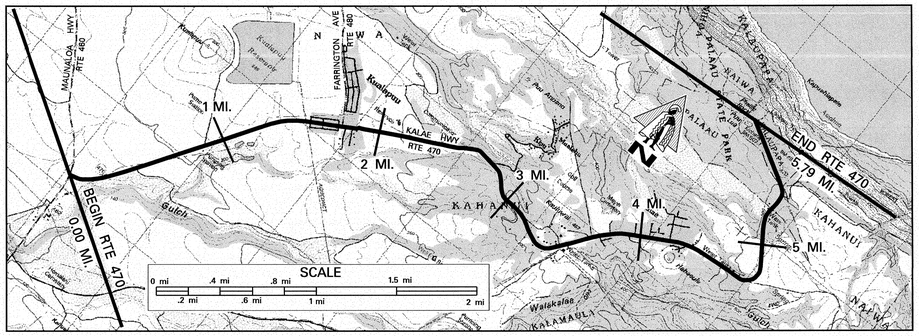
Total Route Length: 5.79 miles

a. Survey Length: 5.79 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Maintenance Control Sections : Length and Description

Begin 470A same as begin route | 470A (5.79 MI.) | End 470A same as end route.

Structure Carrying Road

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

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

80' – 120' | 3.49 | 60' – 70' | 5.69 | 60' – 130'

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

1000' PINEAPPLE FIELD, 20' – 30' FROM PAVEMENT | 1.57 RES. AREA 1.89 | 2.29 PASTURE AREA W/ SOME HOUSES | LARGE TREES & BUSHES

Available Right of Way Width (Needs Study)

N O N E | 1000' CLR PINEAPPLE 20' FROM PAV'T | WIRE ON WOOD 10' – 25' FROM PAVEMENT | WIRE ON WOOD 10' – 25' FROM PAVEMENT | 5.05

Right of Way Fence: Type – Right and Left

N O N E

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

0+28 | S T A T E | 87+58

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

0.01 | ARR–0470(6), PREVENTIVE MAINTENANCE, 2010 | 5.79

Project No., Type of Construction, and Year Constructed

STP–0470 (5) GUARDRAIL / SHOULDER IMPROVEMENT 2001 AND 470A–01–00M 2001 RESURFACE

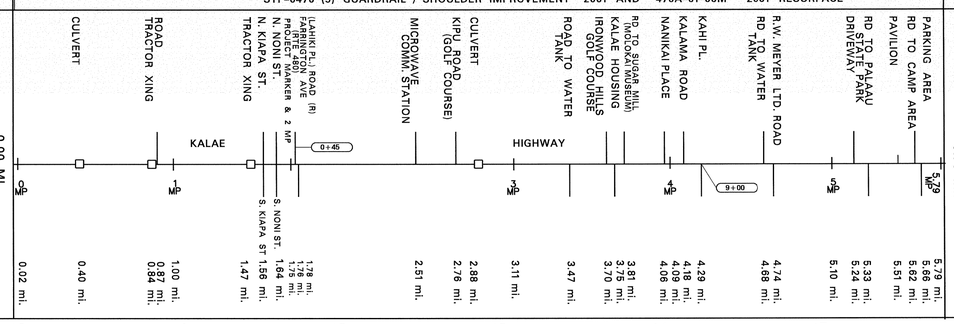
Project No., Type of Construction, and Year Constructed

Road Diagram

* MP = Milepost Signage

BEGIN ROUTE 470 ON KALAE HIGHWAY AT THE NORTHEAST EDGE OF PAVEMENT WITH MAUNALOA HIGHWAY (ROUTE 460).

0.00 MI.



5.79 MI.

END ROUTE 470 ON KALAE HIGHWAY AT THE CENTERLINE MONUMENT AT THE NEW ENTRANCE TO THE NEW LOOKOUT PARKING LOT.

SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Divided Highway – Undivided

Shoulder: Width and Type

6' AC | 3.15 | 8'–9' AC

Pavement: Width and Type

24' AC

Shoulder: Width and Type

6' AC | 3.15 | 8'–9' AC

Median: Width and Type

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)

N O N E

(Right Side)

N O N E

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

N O N E

Sidewalk: Width and Type (Right and Left)

0.24 0.20 4' 0.72 0.87 4' 1.17 1.29 1.38 4' 1.85 4' 1.86 | 2.27 2.47 2.52 2.69 2.78 | 4.04 4' 4.13 4.18 4.28 4.37 4' 4.61 4.72 6' 4.80 5.09 5.18 6' 5.38 0' 5.38 0' 5.53 4' 5.53

Curb and/or Gutter: Type (Right and Left) ALL CONCRETE GUTTERS

0.05 0.25 0.53 0.64 1.20 1.31 1.56 M/V 1.74 | 2.50 2.65 2.69 2.80 | 3.31 3.42 3.54 3.64 3.75 3.71 | 4.13 4.18 4.61 4.86 5.08 5.14 5.26

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

0.01 0.22

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

0.39 +6 0.52 0.71 +4 1.04 1.20 +2 1.29 1.97 +8 2.20 | 3.50 –1 3.71 4.10 +7 4.20 4.45 +8 4.86 4.94 –4 5.05 5.64 +4

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL

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

FLAT (1) | 2.50 | ROLLING | 5.20

Speed: 1–Design, 2–Posted

35 MPH (2) 0.23 | 45 MPH (1) 45 MPH (1) | 1.47 | 30 MPH (1) 35 MPH (2) | 25 MPH (1)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

B75 0470 00000	B75 0470 00176	B75 0470 00276	B75 0470 00418
HPMS Sections – AADT 2009	1,788	900	720	210
HPMS Sections – AADT 2008	1,758	766	676	181
HPMS Sections – AADT 2007	2,325	2,285	710	205

1.76 2.76 4.18 5.79

DOD Sections

Census Tracts

Functional Classification

MAJOR COLLECTOR (5)

National Highway System (NHS)

NOT ON NHS (0)

Previous Projects: Project No., Date and Limits

STP–0470 (4) 1996 GUARDRAIL & SHOULDER IMPROVEMENT 1.74 | 2.88 RS–0470(3) 1982 RESURFACE 4.14 | 470A–01–92M 1993 RESURFACE

HWY–M–01–85M 1985 RESURFACE 0.88 0.97 HWY–M–01–82M 1982 RESURFACE 1.73 | RS–0900(24) 1986 RESURFACE 2.88 | REALIGNMENT 1971

F–047–1(1) 1957, 1958 1.75 | WPH – 19B 1936 3.24 78+00 | COUNTY 4.12 48+92 | S–047(1) & S–047(2) 1970

SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

Date Released
Oct 2004 GN

Revised	
Nov., 06	D.B.
Feb. 11	D.B.

ROAD INVENTORY

MOLOKAI RTE 480
FARRINGTON AVE. – PUUPEELUA AVE.

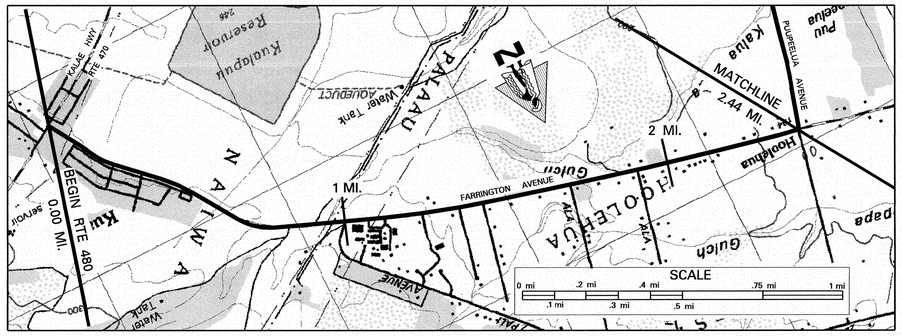
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

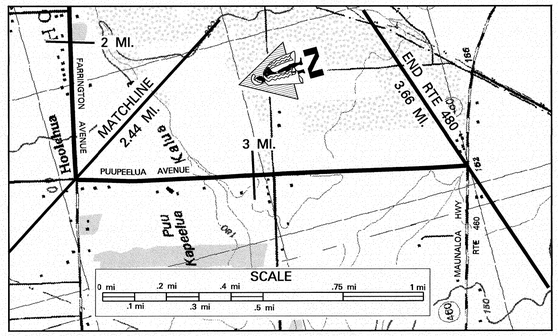
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 3.66 miles
a. Survey Length: 3.66 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

*





	SCALE: (In Miles) 4" = 1 mile	0 | 1 | 2 | 3 | 4 | 5
	Maintenance Control Sections : Length and Description	Begin 480 on Farrington Avenue 16' West of the Northwest edge of pavement of Kalae Highway. — 480A (3.65 MI.) — 3.65 — End 480A on Puupeelua Avenue 50' North of North edge of pavement of Maunaloa Highway.
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′ — 2.44 — 80′
	Available Right of Way Width (Needs Study)	RES. 0.26 — CLEAR 1000' PINEAPPLE 15' – 20' FROM EDGE OF PAVEMENT 0.87 — CLEAR 1000' GRASS & TREES 15' – 20' FROM PAVEMENT
	Right of Way Fence: Type – Right and Left	1.37 WIRE ON WOOD 15' – 20' FROM PAVEMENT 2.60
	Control of Access: 1–None, 2–Partial, 3–Full	NONE
	Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	128 + 70 — STATE — 0 + 17
	Project No., Type of Construction, and Year Constructed	0.00 — ARR-0480(3), RESURFACE, 2010 — 3.66
	Project No., Type of Construction, and Year Constructed	STP-0480(2) RESURFACE 1999

Road Diagram

* MP = Milepost Signage

BEGIN ROUTE 480 ON FARRINGTON AVENUE AT THE NORTHWEST EDGE OF PAVEMENT WITH KALAE HWY (RTE 470)

0.00 mi.

FARRINGTON AVENUE

HULIA STREET PLANTATION STORE 0.09 mi. / 0.05 mi.
'UWAO STREET 0.23 mi.
'ALAEKEA STREET 0.33 mi.
'EPANE STREET 0.46 mi.
LIHIPALI AVENUE 0.99 mi. / 0.96 mi.
MOLOKAI H.S. PARKING LOT 1.05 mi. / 0.99 mi.
H.S. EXIT 1.12 mi.
FIRE STATION & KEENA PLACE PARKING LOT 1.23 mi. / 1.20 mi.
ALA EKOLU STREET LEI KUKUI PLACE 1.49 mi. / 1.35 mi.
ALA 'ELUA STREET 1.70 mi.
ALA 'EKAHI STREET 1.92 mi.
POST OFFICE ROAD 2.00 mi.
ANGLE POINT OF PUUPEELUA AVE. & FARRINGTON AVE. 2.44 mi. / 2.42 mi.
END MEASURED MILE 2.50 mi.
MOLOKAI BAPTIST CHURCH 2.70 mi.
MOOMOMI AVE. 3.06 mi. / 3.01 mi.
CULVERT 3.65 mi. / 3.64 mi.
3.66 mi.

PUUPEELUA AVENUE

END ROUTE 480 ON PUUPEELUA AVE. AT THE NORTH EDGE OF PAVEMENT OF MAUNALOA HIGHWAY (ROUTE 460)

	SCALE: (In Miles) 4" = 1 mile	0 | 1 | 2 | 3 | 4 | 5
Divided Highway – Undivided	Shoulder: Width and Type	6′ AC
	Pavement: Width and Type	24′ AC — 2.47 — 22′ AC
	Shoulder: Width and Type	6′ AC
Divided Highway	Median: Width and Type	
	Shoulder: Width and Type	
	Pavement: Width and Type	
	Shoulder: Width and Type	
	Number of Traffic Lanes	2 – 12′ — 2.47 — 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)	0.45 — 4′ AC FOOT PATH — 2.44
	Curb and/or Gutter: Type (Right and Left) CONCRETE CURB AND GUTTERS	0.89 / 0.99 / 1.13 — 2.81 / 2.90
	Protective Devices: Type, Location and Number ALL METAL ON CONCRETE	0.44 / 0.61 / 0.73 / 0.96 / 0.81 / 0.86 / 0.97 / 1.07 / 2.82 / 2.92
	Illumination: Type, Location and Number	1 MV 0.03 — MV 0.97 — 1.07 — 1 MV 1.24 — 1 MV 1.49 — 1 MV 1.72 — 1 MV 1.93 — 1 MV 2.82 — 2.92 — 1 MV 3.08
	Curves: Degree of Curvature (Right and Left)	
	Superelevation (Range)	
	Grades: % Grade, Positive or Negative	0.24 / –1 / 0.36 — 1.37 / +2 / 1.50 / 1.54 / +4 / 1.83 / 1.92 / +2 / 2.42 / 2.46 / +2 / 2.68 / 2.89 / –2 / 3.08 / 3.32 / –2 / 3.65
	Vertical Curve: Crest or Sag, Curve Limits	
	Area and Development:	RURAL
	Terrain: 1–Flat, 2–Rolling, 3–Mountainous	FLAT
	Speed: 1–Design, 2–Posted	NOT POSTED — 0.07 — 35 MPH (2) — 0.89 / 0.98 — 20 MPH (2) — 1.25 / 1.32 — 35 MPH (2) — 3.59 — NOT POSTED
	Intersection Control Devices: Type, Location and Cycle Timing	
	Traffic Stations (Current Year)	B75 0480 00000 — B75 0480 00099 — B75 0480 00244 — B75 0480 00306
	HPMS Sections – AADT 2009	2,400 — 1,600 — 1,020 — 1,200
	HPMS Sections – AADT 2008	1,311 — 841 — 1,003 — 759 — 3.66
	HPMS Sections – AADT 2007	2,285 — 0.99 — 2,325 — 1,070 — 3.08 — 1,315 — 2.44
	DOD Sections	
	Census Tracts	
	Functional Classification	MAJOR COLLECTOR (5)
	National Highway System (NHS)	NOT ON NHS (0)
	Previous Projects: Project No., Date and Limits	
		HWY-M-01-82M 1982 RESURFACE
		S-0480-(1) 1968 — 2.45
		S-0480-(1) UNIT 1 1965 — 1.70 — S-0480(1), UNIT 2 1965 — S-1(2) 1947
		0 + 00 — 64 + 50
	SCALE: (In Miles) 4" = 1 mile	0 | 1 | 2 | 3 | 4 | 5

Date Released
Oct 2004 GN

Revised	
Feb., 06	D.B.
Nov., 06	D.B.
Feb. 11	D.B.

ROAD INVENTORY

LANAI RTE. 440
KAUMALAPAU HWY., MANELE RD.

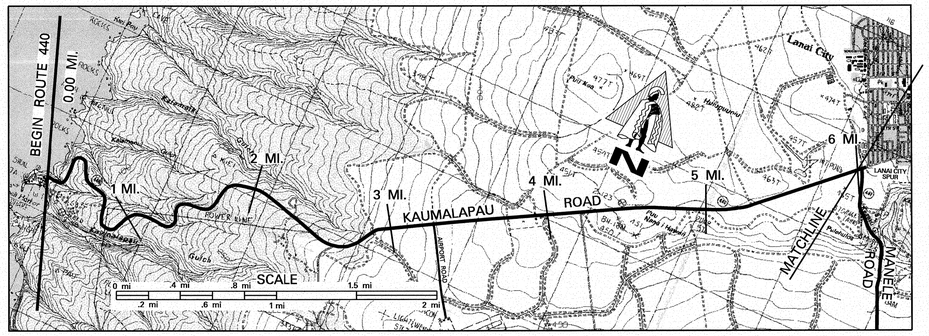
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

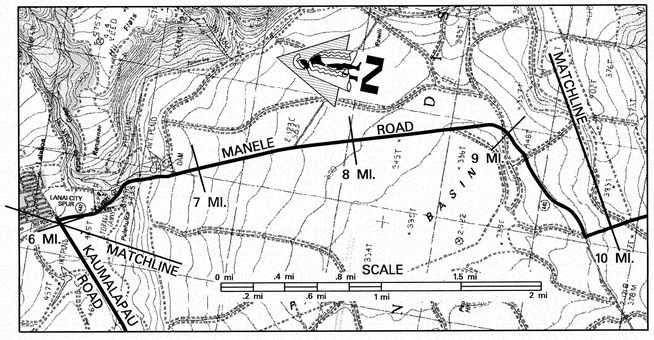
PREPARED BY THE HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION

* ROUTE LENGTH	=	13.18 mi.
AIRPORT SPUR	=	0.47 mi.
LANAI CITY SPUR	=	0.03 mi.
TOTAL	=	13.68 mi.

Total Designated Route Length: 13.68 * MILES (a+b)
a. Existing Length: 13.68 * MILES
b. Proposed Length: NONE MILES
Total Travel Way Length: 13.68 * MILES (a+b, less c)
a. Existing Length: 13.68 * MILES
b. Temporary Length: NONE 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

Beg. 440 A Same as Begin Route — 440A (5.97 mi.) * — *Does not include Airport Spur (see sht. 2) or Kaumalapau Hwy northeast of Manele Rd. (see diagram below) — End 440 A On Kaumalapau Hwy 150' northeast of centerline intersection with Manele Rd. — Begin 440 B On Manele Road at southeast edge of pavement of Kaumalapau Hwy — 440B (7.21 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' – 200' (1.83) | 80' – 130' (3.33) | 100' (8.02) | 80' – 150' (8.44) | 30'

Available Right of Way Width (Needs Study): Clear 1000' Pineapple Fields / Bushes, Small Trees 15' – 25' From Edge of Pavement

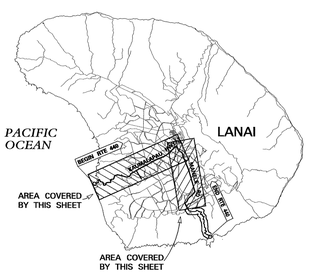
Right of Way Fence: Type – Right and Left: NONE

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): (440A–01–92M, (R), 1992)

Project No., Type of Construction, and Year Constructed: (440A–01–99M, Resurf, 2000) 0.22 — 117+00 — STATE — 2.20 — 440A–01–03M, Resurf, 2005 — 3.12 — 161+00 — 207+00 — 440A–01–01M, (R), 2004 — 259+00 — 440A–01–07M, Resurf., 2008 — 310+60 — 0+00 — 440B–01–04M, Resurf., 2005 — 6.88 — 32+50 — STATE — 193+50 — 7+00 — 8.88 — (440B–01–04M, Resurf., 2005)

Project No., Type of Construction, and Year Constructed: HWY – M – 02 – 97M, Shldr. Paving, 1998 — 3.05 — 440A–01–02M, (R) 2003 — 4.00 — 440A–01–96M, 1997 — 4.99 — STP – 0440(6) Resurf. Worksite #1 1996 — 5.97 — 440B 01 – 98M 1999 (Resurf.) — 7.05 — STP-0440 (5), 1995 (Resurfacing & Improvements) — 9.74 — 9.84



Road Diagram

* MP = Milepost Signage

Begin Route 440 on Kaumalapau Hwy., at Kaumalapau Harbor, at the centerline mon. 175' E. of the E. boundary of the Standard Oil Co. fuel – storage lot. 0.00 mi.

"Begin State Hwy" Sign. Milepost 0 — Old Kaumalapau Hwy. — Paved Road — Culvert — Kaupili Road — Refuse Road — Tractor Xing — Begin Divided — Dirt Road (L) — Airport Road (R) — End Divided — Tractor Xing — Pineapple Station Road — Pineapple Station Rd. — Culvert — Mikt Road — Pineapple Road — Road (L) — Road (R) — Dirt Road — Inter. of Kaumalapau Hwy & Manele Road — Hune Wai Street — Kaumalapau — Manele Rd. — This diagram shows a 150' segment of 440 A Maintenance Control Section — Beg Measured Mile Palawai Road — End Measured Mile — Culvert — Milepost #9 — Culvert — Culvert — Paved Road (Rte 440 Angle Pt.) — Culvert — CONT. ON SHEET # 2

KAUMALAPAU HIGHWAY — 1 MP — 2 MP — 3 MP — 4 MP — 5 MP — 6 MP — MANELE ROAD — 7 MP — 8 MP — 9 MP — 10 MP

119+40 — 166+60 — 215+45 — 0+10

0.00 mi. — 0.65 mi. — 0.99 mi. — 1.99 mi. — 2.25 mi. — 2.26 mi. — 2.40 mi. — 2.56 mi. — 2.85 mi. — 3.00 mi. — 3.13 mi. — 3.23 mi. — 3.42 mi. — 3.77 mi. — 3.81 mi. — 3.88 mi. — 3.98 mi. — 4.16 mi. — 4.18 mi. — 4.31 mi. — 4.63 mi. — 4.84 mi. — 5.00 mi. — 5.22 mi. — 5.57 mi. — 6.03 mi. — 5.97 mi. — 7.02 mi. — 7.53 mi. — 7.52 mi. — 8.01 mi. — 8.53 mi. — 8.92 mi. — 9.01 mi. — 9.06 mi. — 9.38 mi. — 9.72 mi. — 9.97 mi. — 9.98 mi.

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type — ALL SHOULDERS GRASS EXCEPT WHERE OTHERWISE INDICATED: 6' AC | 6' GRV | 6' AC

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

Shoulder: Width and Type — ALL SHOULDERS GRASS EXCEPT WHERE OTHERWISE INDICATED: 6' AC (1.28) | 6' GRV (1.80) | 6' AC (3.13) | 0 (3.42) | 6' AC

Median: Width and Type: 12' PAINTED AC

Shoulder: Width and Type: 0

Pavement: Width and Type: 12' AC

Shoulder: Width and Type: 6' AC

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

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 4 12' TLs (3.23 – 3.56)

(Right Side)

Frontage Road: No. of Lanes, and Width (Right and Left): NONE

Sidewalk: Width and Type (Right and Left): NONE

Curb and/or Gutter: Type (Right and Left): GUTTERS — ALL METAL ON METAL

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number: NONE

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: MOUNTAINOUS (0.88) | ROLLING (1.88)

Speed: 1–Design, 2–Posted: 30 MPH (2) (2.11 – 2.28) | 45 MPH (2) | 45 MPH (2) (5.77 – 5.96) | 20 MPH (2) (5.96 – 6.03) | 35 MPH (2) (6.03 – 6.88) | 20 MPH (2) | 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B76 0440 00000 | B76 0440 00323 | B76 0440 00597 | B76 0440 00656 | (B76 0440 00972)

HPMS Sections – AADT 2009: 165 | 890 | 2,366 | 1,300 | 811

HPMS Sections – AADT 2008: 162 | 875 | 2,326 | 1,200 | 797

HPMS Sections – AADT 2007: 165 | 890 | 2,365 (5.88) | 1,220 (9.72) | 810

DOD Sections: COUNTY (3.23 – 5.07)

Census Tracts

Functional Classification: MAJOR COLLECTOR (5)

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

Previous Projects: Project No., Date and Limits

0.02 HWY – M – 02 – 97M, Shldr. Paving, 1998 — 3.41
440A–01–89M, Resurf, 2000 — 2.05 — 440A–01–90M, Shldr. Paving, 1998
44A–02–88, Shldr.Imp, 1988 — 1.28 — 1.80 — 440A–01–90M, Shldr. Paving, '90 — 3.20 — 3.42 — 440A–01–96M, 1997 — 4.99
RS–0440(2) Resurf. 1986 — 3.14 — 4.98 — STP–0440(6) Resurf. Worksite #1 1996 — 5.97 — 440B–01–88M (R) 1987 — 6.61
440A–01–78M Resurf. 1979 — 1.52 — (440–A–01–81M Imprv. 1981) — 3.06 — 5.97 — RS–0440(3) Resurf. 1987 — 6.20 — STP–0440(5) 1995 (Resurfacing & Improvements)
440A 02 81 Imprv. 1981 — 0.80 — 2.79 — 2.89 — 3.20 — 440A–01–73 Resurf. 1975 — COUNTY
S–0440(1) 1959, '60 — STA. 310+73.91 — 5.94

SCALE: (In Miles) 2" = 1 mile

Date Released
Dec. 2002 T.S.

Revised	
Feb. 04	D.B.
Aug. 04	D.B.
Feb., 06	D.B.
Nov., 06	D.B.
Mar., 08	D.B.
Mar., 09	D.B.
Feb. 11	D.B.

ROAD INVENTORY

LANAI RTE. 440
MANELE ROAD, AIRPORT ROAD

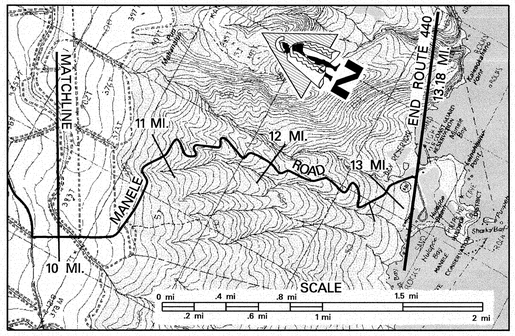
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

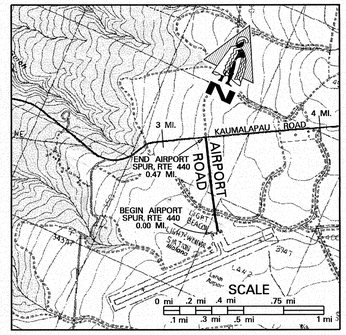
PREPARED BY THE HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION

* ROUTE LENGTH	=	13.18 mi.
AIRPORT SPUR	=	0.47 mi.
LANAI CITY SPUR	=	0.03 mi.
TOTAL	=	13.68 mi.

Total Designated Route Length: 13.68 * MILES (a+b)
a. Existing Length: 13.68 * MILES
b. Proposed Length: NONE MILES
Total Travel Way Length: 13.68 * MILES (a+b, less c)
a. Existing Length: 13.68 * MILES
b. Temporary Length: NONE 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

440B (7.21 mi.) | End 440 B Same as End Route | Beg 440 A Same as Beg. Airport Road (Spur) | 440A (0.57 mi.) | End 440 A Same as End Airport Road (Spur)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: NONE

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 30' | 40'

Available Right of Way Width (Needs Study): Clear 1000' Trees & Pineapple Fields 15'– 25' from edge of pavement | Clear 1000' Pineapple Fields 15' from edge of pavement

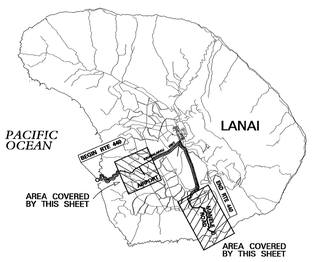
Right of Way Fence: Type – Right and Left: NONE | NONE

Control of Access: 1–None, 2–Partial, 3–Full: NONE (Worksite #2 1996) | NONE

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State 106+00 171+50 | STATE

Project No., Type of Construction, and Year Constructed: 11.76 440B–01–04M, Resurf., 2005 12.84 | STP–0440(6) (Resurface) 13.20 | 440A–01–88M Resurf. 310+60 | 312+24 (440A–01–07M Resurf., 2008)

Project No., Type of Construction, and Year Constructed: 440A–01–92M(R) 1992 | 1987



Road Diagram
* MP = Milepost Signage

CONT. FROM SHEET # 1

T. C. | Culvert | Culvert | Culvert | Culvert | Culvert | Road to Manele Bay Hotel | Culvert | Milepost # 13.19 Road to Harbor

11 MP MANELE ROAD 12 MP 120+00 13 MP

10.01 mi. | 10.34 mi. | 10.43 mi. | 10.99 mi. | 11.28 mi. | 11.60 mi. | 11.99 mi. | 12.82 mi. | 12.84 mi. | 12.97 mi. | 13.17 mi. | 13.19 mi. | 13.18 mi.

END RTE. 440 on Manele Rd. at the Entrance to Hulopoo Beach Park (*End State Hwy* sign) 13.18 mi.

BEGIN Airport Spur (RTE.441) on Lanai Airport @ the Airport Entrance Survey Monument. 0.00 mi.

Culvert | Twin Box Culvert | Culvert

AIRPORT ROAD Rte 441

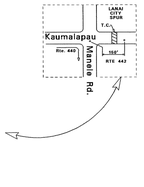
0.01 mi. | 0.14 mi. | 0.35 mi.

END Lanai Airport Spur (RTE. 441) on Lanai Airport Road 28' south of south edge of pav't. of Kaumalapau Hwy. (RTE. 440) 0.47 mi.

Begin Lanai City Spur – Rte 442 on Kaumalapau Hwy with Manele Rd. 0.00 mi.

Rte 442

End Lanai City Spur – Rte 442 on Kaumalapau Hwy 150' Northeast of centerline with Manele Road 0.03 mi.



SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type: ALL SHOULDERS GRASS EXCEPT WHERE OTHERWISE INDICATED | 25' Dirt | All Gravel | 6' | 6'

Pavement: Width and Type | 20' AC

Shoulder: Width and Type: ALL SHOULDERS GRASS EXCEPT WHERE OTHERWISE INDICATED | 25' Dirt | All Gravel | 4' | 3'

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes: 2–10' 12.98 2–11' 13.17 ←1–13' | 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): NONE

Sidewalk: Width and Type (Right and Left): NONE | NONE

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

Protective Devices: Type, Location and Number | NONE

Illumination: Type, Location and Number | NONE

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL | RURAL | (RURAL)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: FLAT 10.35 MOUNTAINOUS 13.19 FLAT | FLAT

Speed: 1–Design, 2–Posted: 35 MPH (2) 12.77 25 MPH (2) (Not Posted) | NOT POSTED 0.01 15 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B76 0440 00972 | B76 0440 01061 | B76 0440 01176 | B76 0440 01282 | B76 0441 00000 | B76 0442 00000

HPMS Sections – AADT 2009: 811 | 811 | 610 | 610 | 380 | 2,900

HPMS Sections – AADT 2008: 797 | 797 | 600 | 600 | 634 | 3,034

HPMS Sections – AADT 2007: 810 | 810 | 610 | 610 | 645 | 3,085

DOD Sections

Census Tracts: COUNTY

Functional Classification: MAJOR COLLECTOR (5) | MAJOR COLLECTOR (5) | (MAJOR COLLECTOR (5))

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

Previous Projects: Project No., Date and Limits

440A – 01 – 92M(R) 1992 13.17

440B – 01 – 82M(R) 1982 11.76 11.97 440B – 01 – 83M(R) 1983 | S – 0440(1) 1959

SCALE: (In Miles) 2" = 1 mile

Date Released
Dec 2002, T.S.

Revised	
Feb. 04	D.B.
Aug 04	D.B.
Feb. 06	D.B.
Nov., 06	D.B.
Feb., 08	D.B.
Mar., 09	D.B.
Feb. 11	D.B.