STATE ROUTE SYSTEM

COUNTY OF MAUI

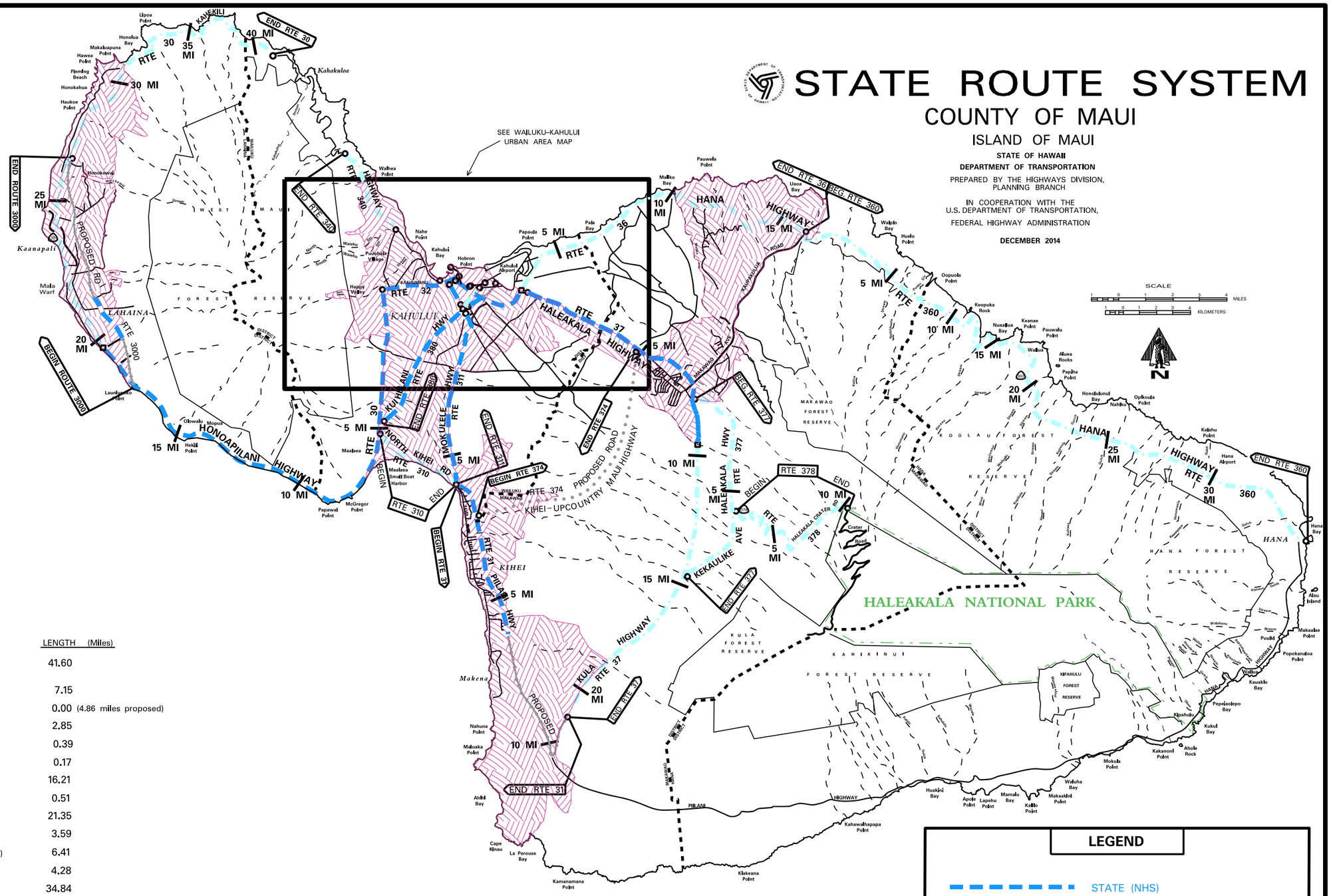
ISLAND OF MAUI

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 2014



MAUI:

ROUTE		LENGTH (Miles)
30	(High St., Honoapiilani Hwy., Kahekili Hwy.)	41.60
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.)	0.39
32B	(Wharf St.)	0.17
36	(Hana Hwy.)	16.21
36A	(Haleakala Hwy., Keolani Pl.)	0.51
37	(Haleakala Hwy., Kula Hwy.)	21.35
310	(North Kihei Rd.)	3.59
311	(Puunene Ave. Mokulele Hwy.)	6.41
340	(Kahekili Hwy.)	4.28
360	(Hana Hwy., Keawa Pl.)	34.84
374	(Kihei–Upcountry Maui Hwy)	0.00 (9.80 mi. proposed No SLD)
377	(Haleakala Hwy., Kekaulike Ave.)	9.14
378	(Haleakala Crater Rd.)	10.11
380	(Dairy Road, Kuihelani Hwy.)	6.17
3000	(Lahaina Bypass)	2.32 (8.37 miles proposed)
3400	(Kahului Beach Rd., Waiehu Beach Rd.)	2.63
3500	(Puunene Ave.)	1.11
* 3800	(Ho'okele St.)	1.08 (1.67 miles proposed)

MAUI TOTAL = 171.91

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

COUNTY OF MAUI:

	LENGTH (Miles)
MAUI	171.91
MOLOKAI	53.50
LANAI	13.68
TOTAL	**239.09**

LEGEND

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

Date Released	
Dec. 2002	JK
Revised	
Jan. 04	DB
Feb. 11	DB
Feb. 12	DB
Feb. 13	EPJ
Dec. 13	EPJ
Dec. 14	EPJ

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) 587–1841 to report the issue.

STATE ROUTE SYSTEM

COUNTY OF MAUI

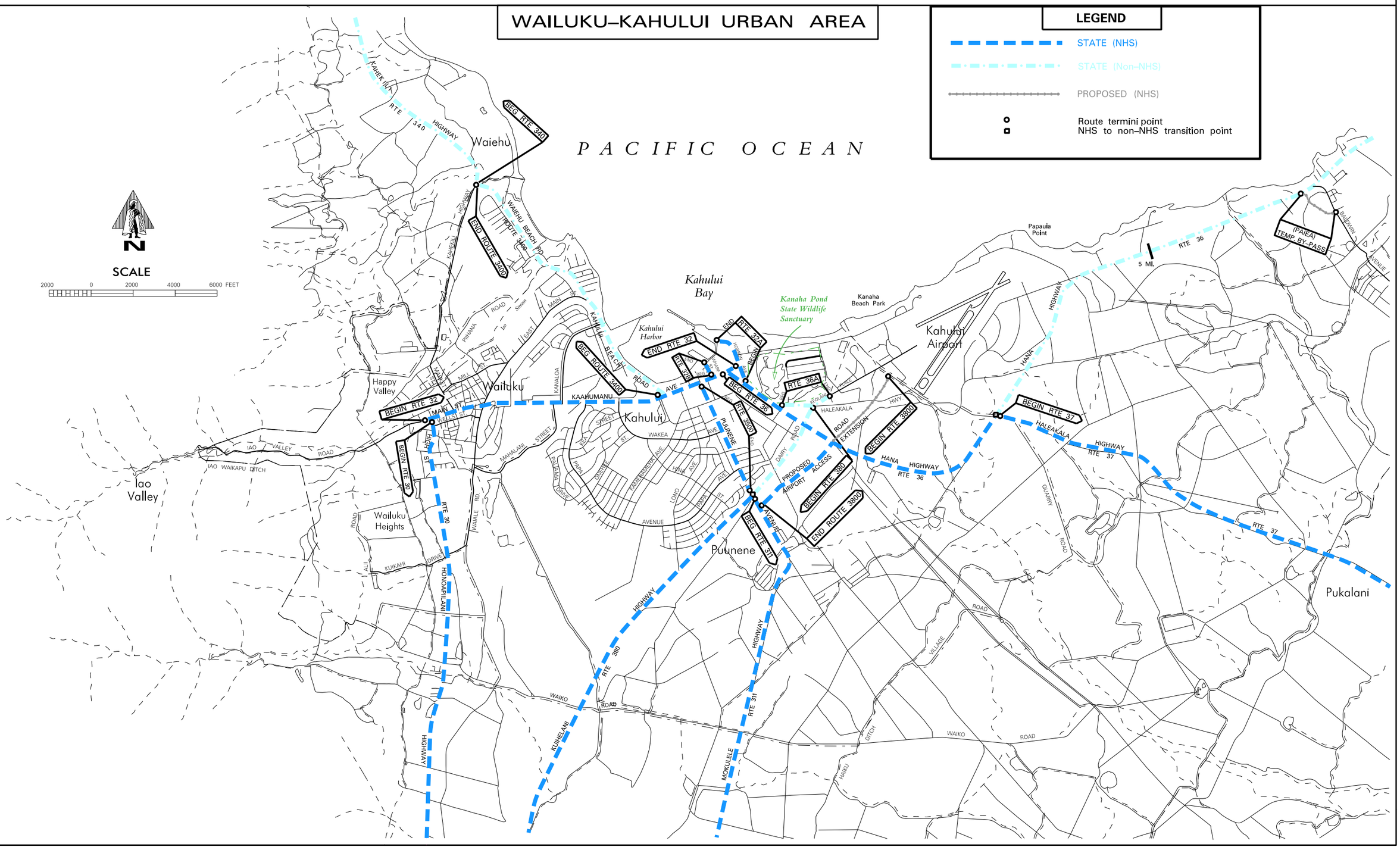
ISLAND OF MAUI

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION

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

DECEMBER 2014

WAILUKU–KAHULUI URBAN AREA



Date Released
Dec 2002, AK
Revised
Jun. 04	DR
Feb. 08	DR
Feb. 11	DR
Feb. 12	DR
May 13	CPJ
Dec. 14	CPJ

2

STATE ROUTE SYSTEM

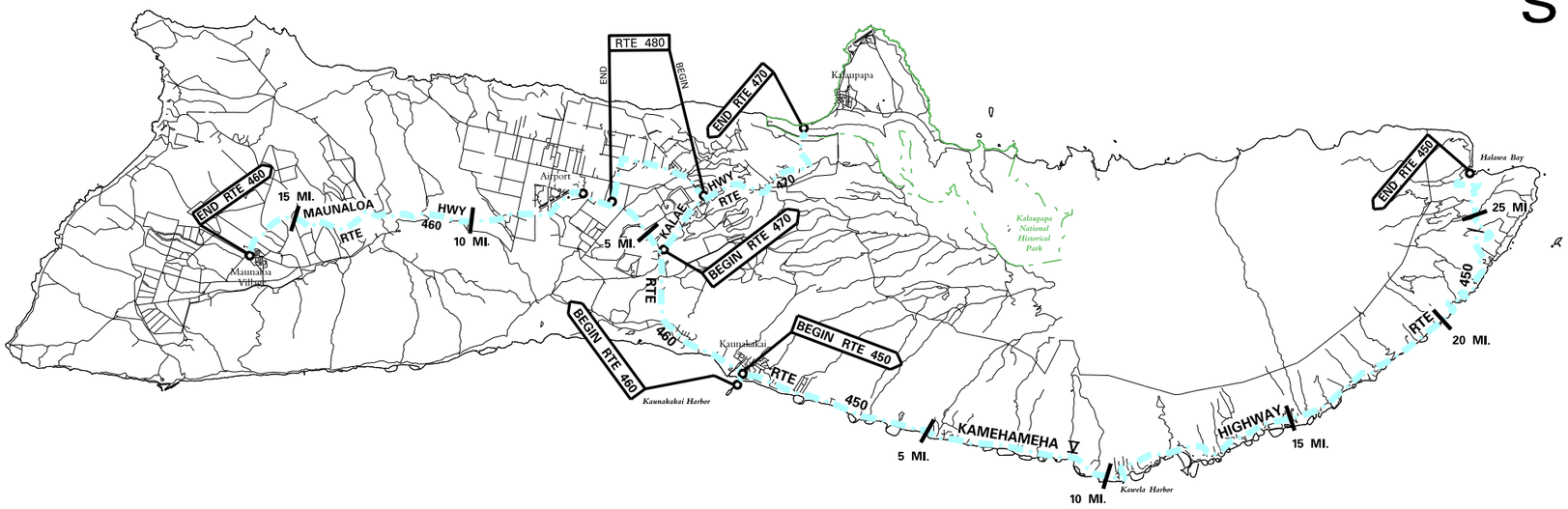
COUNTY OF MAUI

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 2014



KALOHI CHANNEL

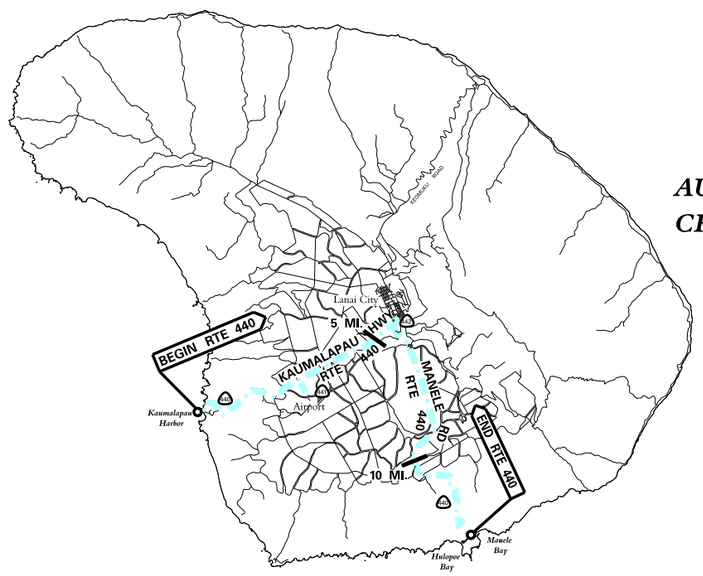
PACIFIC OCEAN

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	27.50
	460	Kaunakakai Pl. & Maunaloa Hwy.	16.56
	470	Kalae Highway	5.78
	480	Farrington Ave & Puupeelua Ave	3.66
		MOLOKAI Total =	**53.50**

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)

Route termini point

Date Released
Dec 2002 AK
Revised
Jun. 04 DR
May. 05 DR
Dec. 09 DR
Feb. 11 DR
Feb. 12 DR
May 13 DPJ
Dec 14 DPJ

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

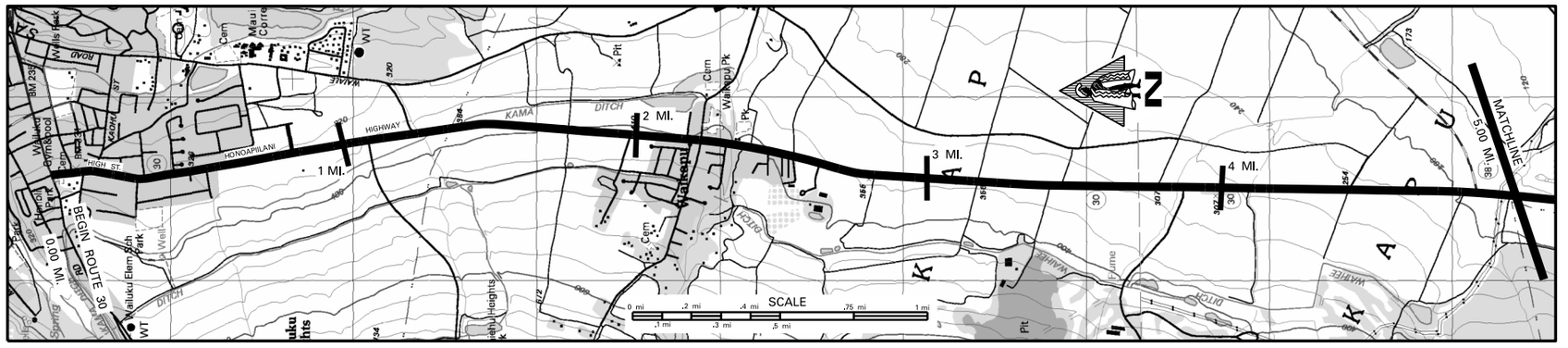
Total Route Length: 41.60 miles

a. **Survey Length:** 41.60 miles

b. **Proposed Length:** 0.00 miles

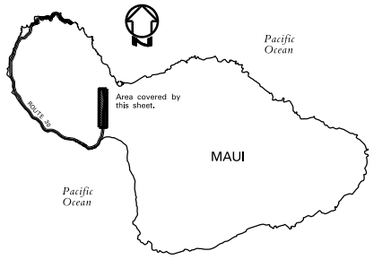
c. **Other Length:** * 0.00 miles

*



Road Diagram

* MP = Milepost Signage



Date Released
Aug 2003, D.B.

Revised	
Sept. 04	D.B.
Nov. 06	D.B.
Dec. 09	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.

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

Horizontal Clearance: 39' | 38' N.B., 36' S.B.

Structure Over Road

Vertical Clearance

Horizontal Clearance: 24'

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

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

Right of Way Fence: Type – Right and Left: Pipe Fence | Chain Link | None

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

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 | 30D–01–05, Resurf., 2006 | NH–0900(080), 2014, Preventive Maintenance

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

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

S. HIGH ST. | Wells St. | Kaahu St. | End Divided Hwy | Begin Dbl. Hwy | Kahookele St. | End Divided Hwy | Kaeo Pl. | Begin Dbl. Hwy | Keanu St. | Culvert | End Divided Hwy | Kehalani Parkway | Culvert | Kukanil Dr. | Culvert | End Divided Hwy | HONOAPIILANI | Cane Haul Rd. | Begin Dbl. Hwy | Piikiana St. | Waiehu Pl. | Waiehu Br. | Waikapu Br. | Waikapu Pl. | E. Waiko Rd. (L) | Begin Divided Hwy | Maui Tropical Plantation Rd. | Olani Pl. | Lehuapueo Pl. | End Divided Hwy | HIGHWAY | Cane Haul Rd. | Rd. to Quarry | ECB | Rd. to Golf Course | Begin Dbl. Hwy | Culvert | End Divided Hwy | Gravel Road | Begin Dbl. Hwy | Kuihelani Hwy (Rte 380) | Pohakea Br. | Indicates Grass & / or Physical Barrier on Median.

MP 0 | Auapuni St. | Mokuhau St. | MP 1 | MP 2 | W. Waiko Rd. (R) | MP 3 | MP 4

0.01 mi. | 0.07 mi. | 0.11 mi. | 0.14 mi. | 0.27 mi. | 0.29 mi. | 0.33 mi. | 0.42 mi. | 0.47 mi. | 0.53 mi. | 0.77 mi. | 0.82 mi. | 0.99 mi. | 1.03 mi. | 1.09 mi. | 1.24 mi. | 1.26 mi. | 1.77 mi. | 1.86 mi. | 1.98 mi. | 2.00 mi. | 2.17 mi. | 2.22 mi. | 2.28 mi. | 2.30 mi. | 2.45 mi. | 2.50 mi. | 2.55 mi. | 2.63 mi. | 2.76 mi. | 3.00 mi. | 3.41 mi. | 3.75 mi. | 3.86 mi. | 3.90 mi. | 3.99 mi. | 4.07 mi. | 4.10 mi. | 4.44 mi. | 4.67 mi. | 4.76 mi. | 4.86 mi. | 4.96 mi.

CONTINUED ON SHEET 2. 5.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided

Shoulder: Width and Type: 0 | 4'–6" AC | 6' AC (5' AC Bike Ln.) | 4' AC/10' Grass | 6' AC | 0 (20' AC) | 10' AC

Pavement: Width and Type: 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 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 | 8'–18' Grass (8' Paint) | (32' Grass) (20' Grass) (Double Guardrails)

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

Pavement: Width and Type: (14' AC) | (23' AC) | 12' AC | 12' AC (5' AC Bike Ln.) | 6' AC | 4' AC/2' Grass | 12' AC (5' AC Bike Ln.) | 6' AC | 12' AC | 6' AC | 12' AC | 12' AC (5' AC Bike Ln.) | 24' AC

Shoulder: Width and Type: 0 | 0 | 0 | 8' AC

Number of Traffic Lanes: 2–12' | 2–10' (5' AC Bike Ln.) | 2–12' | 4–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 1–12' | 1–14' | (1–23') | 8' Parallel Parking | 9' (L) Turn Lanes | 12' Turn Lanes | 10' Turn Lanes | 12' Turn Lanes | (Transition Lane 0–12') | 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. Sidewalks | 4' Conc. Sidewalk | Conc. Sidewalk 2.19 | 2' Conc. Curb & Gutter 2.18

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

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

Illumination: Type, Location and Number: MV | 14 HPS

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban (99998)

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

Speed: 1–Design, 2–Posted: 20 MPH (2) | 35 MPH (2) | 45 MPH (2) | 30 MPH (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 2013: 12,757 | 10,900 | 16,402 | 13,100 | 13,300 | 27,336

HPMS Sections – AADT 2012: 12,043 | 11,245 | 15,484 | 12,350 | 12,550 | 25,806

HPMS Sections – AADT 2011: 10,900 | 12,282 | 15,806 | 12,400 | 12,100 | 24,800

DOD Sections

Census Tracts

Functional Classification: Principal Arterial (3)

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

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

SCALE: (In Miles) 4" = 1 mile

ROAD INVENTORY

MAUI RTE 30
HONOAPIILANI HWY

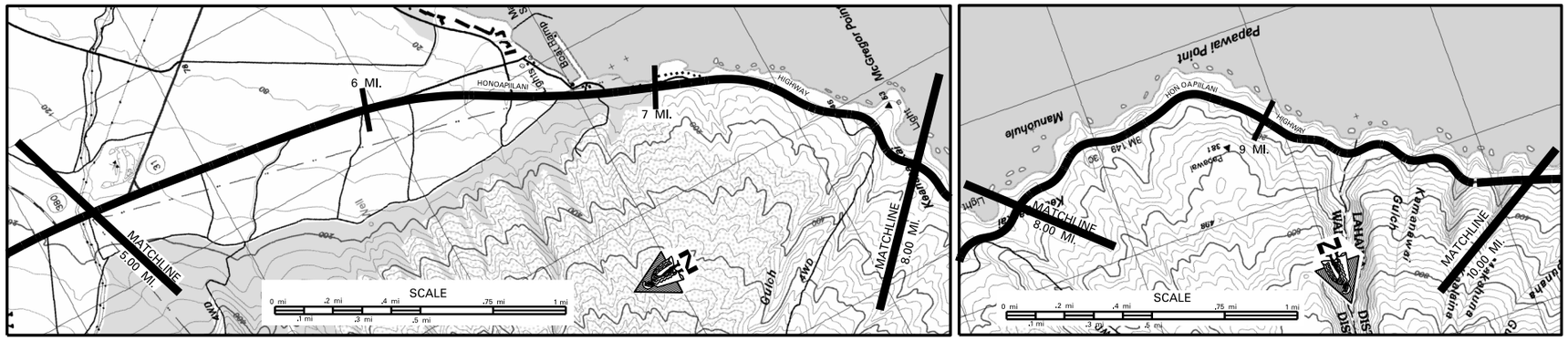
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 41.60 miles
a. Survey Length: 41.60 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. | 6.75 | Residential Area | 7.00 | Brush and Trees

Right of Way Fence: Type – Right and Left
Wire on Wood | 5.38 | Wire on Wood | 6.76 | Wire on Wood | 7.34 | Wire on Wood | 7.94 | Wire | 9.15 | 9.19 | 9.36 | 9.39 | 9.47 | 9.52 | 9.59 | 9.61

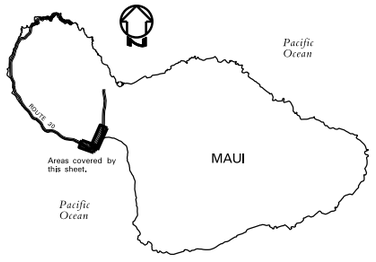
Control of Access: 1–None, 2–Partial, 3–Full
None

Jurisdiction, Transfer Phase No. and Date (C to S or S to C)
13+75 | 6.25
State

Project No., Type of Construction, and Year Constructed
NH–0900(080), Preventive Maintenance, 2014 | 6.47 | STP–0900(53), 2002 Guardrail & Shldr. Imp. | 7.48 | 7.73 | NH–030–1(047) PAVE. PREV. MAIN. 2014

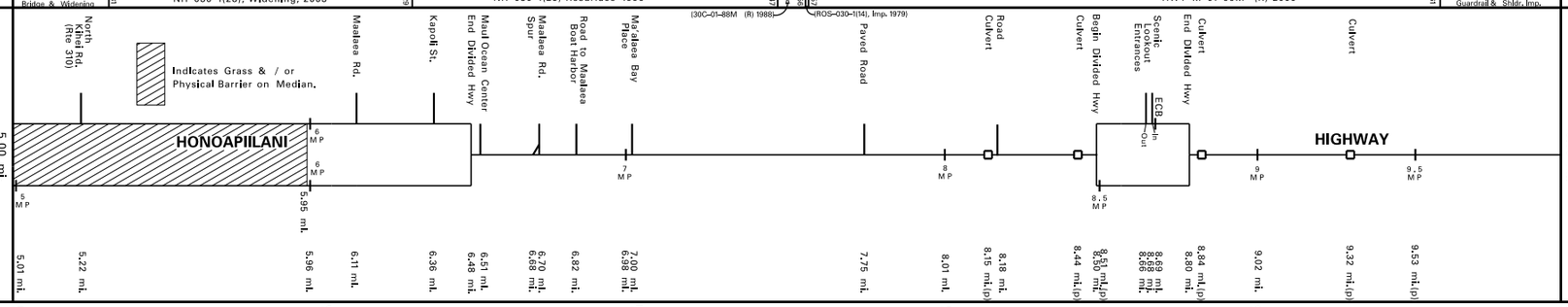
Project No., Type of Construction, and Year Constructed
BR–NH–030–1(24), 2002 Bridge & Widening | 5.31 | NH–030–1(28), Widening, 2003 | 6.29 | NH–030–1(25) Resurface 1996 | 7.47 | 7.56 | 7.57 | HWY–M–01–99M (R) 2000 | 9.61 | STP–0900(53), 2002 Guardrail & Shldr. Imp.

(30C–01–88M (R) 1988) (ROS–030–1(14), Imp. 1979)



Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET 1.



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.)
- Pavement: Width and Type
- Shoulder: Width and Type (Combination Shldr./Bike Route from 6.83mi. to 20.23mi.)

Median: Width and Type
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type (Combination Shldr./Bike Route from 6.83mi. to 20.23mi.)

10' AC | 5.38 | 8' AC | 6.29 | 4'–6' AC | (See Note) | 7.16 | 6'–8' AC | 8.40 | 4'–6' AC | 6'–8' AC | 9.00 | 8'–10' AC
24' AC | 6.34 | 12' AC | 6.34 | 24' AC | 36' AC | 6.67 | 6.83 | 24' AC | 14' AC | 24' AC
4' AC | 6.03 | 0 | (See Note) | 6'–8' AC | 0 | 6'–8' AC | 9.52 | 8'–10' AC
32' Grass | 5.37 | 22' Grass | 5.96 | 0–10' Paint | 6.48 | 0–14' Painted AC | 8.50 | 8.80 | 2–12'
4' AC | 6.03 | 0 | 0
24' AC | 6.11 | 12' AC | 14' AC
8'–10' AC | 6.03 | 6'–8' AC | 6.31 | 6'–8' AC

Number of Traffic Lanes
4–12' | 6.31 | 2–12' | 6.34 | 2–12' | 6.67 | 2–12' | 8.50 | 2–14' | 8.80 | 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) (All 12' TLs.)
(1–12') (2–12') | 5.08 | 5.07 | 5.37 | 5.42 | 5.97 | 6.03 | 6.11 | 6.25 | 6.36 | 6.59 | 8.71 | 8.68 | 8.80
11' Turn Lane | 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)

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

Illumination: Type, Location and Number
15 HPS | 5.29

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)
A | 7.69 | D | 7.96 | C | 8.22 | AC | 8.37 | B | 8.47 | A | 8.65 | C | 8.78 | A | 9.08 | CA | 9.18 | C | 9.25 | D | 9.83 | A

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)
B | 6.04 | A | 6.86 | B | 7.10 | A | 7.23 | B | 7.33 | A | 7.48 | B | 7.58 | A | 7.65 | B | 7.78 | A | 8.07 | B | 9.08 | A | 9.38 | C | 9.66 | B

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
Small Urban (99998) | 7.00 | Rural (99999)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous
Flat (1) | 6.05 | 6.70 | Mountainous (3)

Speed: 1–Design, 2–Posted
45 MPH (2) | 45 MPH (Min. 35 MPH) (2)
45 MPH (Min. 35 MPH) (2) 3 Phase | 5.23 | 45 MPH (2) | 6.48 | 45 MPH (Min. 35 MPH) (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)
B74 0030 00488 | B74 0030 00522 | B74 0030 00611

HPMS Sections – AADT 2013
27,336 | 22,900 | 24,656

HPMS Sections – AADT 2012
25,806 | 25,602 | 23,276

HPMS Sections – AADT 2011
24,890 | 31,081 | 23,100
5.22 | 6.11

DOD Sections

Census Tracts

Functional Classification
Principal Arterial (3)

National Highway System (NHS)
On NHS (1)

Previous Projects: Project No., Date and Limits
BR–NH–030–1(24),Bridge&Widening,2002 | 5.50
(30C–01–92M (R) 1993) NH–030–1(25) Resurface 1996 | 7.47 | 7.57 | HWY–M–01–99M (R) 2000
5.03 | 7.58 | 30C–01–90M (R) 1990 | 8.50 | HES–STP–030–1(20) 1994 | 8.88 | 30C–01–90M (R) 1990
(30D–01–82M (R) 1982) 5.21 | 30C–01–86M (R) 1986 | 6.96 | 30C–01–88M (R) 1988 | 7.56 | 8.10 | LT–M–01–78 (R) 1979
5.03 | 30CD–01–84(Shldr, Imprv.) 1985 | 6.68 | 6.96 | ROS–030–1(14) Safety Imprv. 1979 | 8.32 | 8.36 | ROS–030–1(12) 1977
30BC–01–70 1970 | 30BC–01–71, (R) 1971 | 7.27 | Resurf 1950 | 7.55 | 30C–01–75M Resurf 1975
FAP – 13G 1936 | 6.07 | NRH – 13C 1934 | 6.40 | NRH – 13D 1935 | 8.14 | F–30(5) 1953
111 = 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.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.

ROAD INVENTORY

MAUI RTE 30
HONOAPIILANI HWY

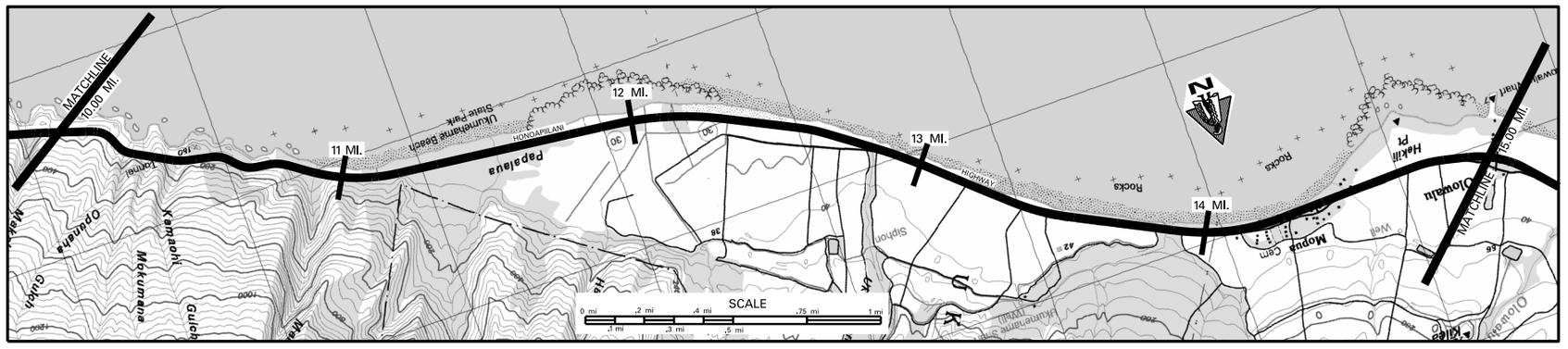
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 41.60 miles
a. Survey Length: 41.60 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') (10.03) | 80'–345' (22.46)

Available Right of Way Width (Needs Study)
Brush & Trees | (R) Clear – 40' Canefield (L) Beach (13.96) | Trees & Bushes (14.61) | Canefield 1000' Clear – 40' from E.P.

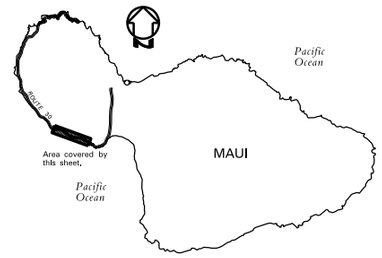
Right of Way Fence: Type – Right and Left
Rock Fall Protection (10.07–10.52) | Wire (11.72–11.79)

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C)
State (32 + 00)

Project No., Type of Construction, and Year Constructed
NH–030–1(047) PAVE. PREV. MAIN. 2014 (30C–01–06M, Resurf., 2008)– (44.62)

Project No., Type of Construction, and Year Constructed
STP–0900(53) 2002 Guardrail & Shldr. Imp. (10.46) (STP–0900(52) Bikeway Imp., 2002) | HWY–M–01–99M (R), 2000 (11.68) | STP–0900(53), Guardrail & Shoulder Improvements, 2002



Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET 2.

10.00 mi. (10.02 mi.) | 10.32 mi. | 10.38 mi. | 10.48 mi.(D) | 10.93 mi. | 11.00 mi. | 11.48 mi.(D) | 11.70 mi. | 11.83 mi. | 11.98 mi.(D) | 11.98 mi. | 12.08 mi. | 12.27 mi. | 12.49 mi. | 12.48 mi.(D) | 12.78 mi. | 12.82 mi. | 12.95 mi. | 12.98 mi. | 13.17 mi. | 13.45 mi. | 13.50 mi.(D) | 13.96 mi. | 14.02 mi. | 14.28 mi. | 14.38 mi. | 14.46 mi. | 14.48 mi.(D) | 14.53 mi. | 14.77 mi. | 14.98 mi. | 15.00 mi.

ECB 10 MP | Begin Tunnel | End Tunnel | 10.5 MP | ECB 11 MP | 11.5 MP | Ukumehame Firing Range | Culvert | Ent. to Parking Lot Ukumehame Park | ECB (R) 12 MP | Begin Divided Hwy | 12.5 MP | Paved Road | End Divided Hwy | Ukumehame Br. | Begin Divided Hwy | 13 MP | Paved Road | End Divided Hwy | 13.5 MP | ECB 14 MP | Paved Road | Paved Road | Paved Road | Luawai St. | 14.5 MP | Begin Divided Hwy | 15 MP

HONOAPIILANI HIGHWAY

CONTINUED ON SHEET 4.

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 (10.32) | (10.38) 8'–10' AC (10.94) | 18'–20' AC (11.19) | 8' AC (11.37) | 10' AC (11.71) | 4' AC (11.89) | 6' AC (14.82) | 4' AC/ 6' Grs

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

Shoulder: Width and Type (Combination Shldr./Bike Route from 6.83mi. to 20.23mi.)
6'–8' AC (10.32) | (10.38) 8'–10' AC (13.50) | 6' AC | 0 | 6' AC | 0 | 6' AC | 0 | 6' AC | 0

Divided Highway – Medians

Median: Width and Type
0'–12' Painted AC (12.27–12.78) | 0'–12' Painted AC (12.95–13.45) | 0'–10' Painted (14.77)

Shoulder: Width and Type
0 | 0 | 0

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

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

Number of Traffic Lanes
2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
(12.01) (12.39) (13.37) (13.39) (14.92) (15.04)

(Right Side)
(12.39) (12.49) (12.75) (13.07) (13.17) (13.43)

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
(10.09–10.96) (10.18–10.24) (10.27–10.36) (10.33–10.40) (10.49–10.74) (10.78–10.94) (10.98–11.06) (11.12–11.16) (11.33–11.35) (11.66) (12.05–12.24) (11.98) (12.51–12.57) (12.59–12.65) (12.80–12.88) (12.78 12.90) (13.07) (13.33–13.37) (13.74–13.82) (13.86–13.98) (14.24) (14.38–14.46) (14.54) (14.98)
Concrete Guardrail – Type 4K

Illumination: Type, Location and Number

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)
A (10.10) | D (10.28) | A (10.37) | B (10.40) | A (10.53) | C (10.72) | B (10.74) | C (10.83) | A

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)
B (10.10) | C (10.55) | A (11.08) | B (11.42) | A

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
Rural (99999)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous
Mountainous (3) (10.05) | Flat (1) (45 MPH (2))

Speed: 1–Design, 2–Posted
45 MPH (Minimum 35 MPH) (2) (11.06) | 55 MPH (2) | 35 MPH (2) | 35 MPH (2) | 55 MPH (2) (12.41) | 55 MPH (Minimum 45 MPH) (2) (13.06) | 45 MPH (Minimum 35 MPH) (2) (14.09) | (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 2013
24,656 | 24,600 | 28,161

HPMS Sections – AADT 2012
23,276 (10.93) | 23,895 | 27,058 (13.88)

HPMS Sections – AADT 2011
23,100 | 27,410 | 28,056

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) (10.31–10.43) | (11.68) 30C–01–90M, (R), 1990 | (13.81) (HES–STP–030–1(19)) (14.85)
HWY–M–01–99M (R), 2000
30C–01–90M, (R) 1990 (13.81) | 30AC–01–87M (R) 1988 (14.61) | #69 STP–030–1(21) (R) 1994 (14.62)
LT–M–01–78 (R) 1979 (10.40–10.46) | ROS–030–1(14) 1979 Safety Imprv. (11.25) | 30C–01–78, GR/Shldr., 1981
ROS–030–1(12) 1977 (10.48) | (11.27) 30C–01–78 (Guardrail & Shldr.) 1981 | (13.78) 30AC–01–87M (R) 1988 (14.61) 30C–01–78 G.R. & Shldr., 1981
30C–01–75M (R) 1975 | 12.81 F–30(3) 1951 | 13.82 30C–02–72 (R) 1972
(F–30(5) 1953) (10.06) 275 + 00 | F–30(3) 1950

SCALE: (In Miles) 4" = 1 mile

10 | 11 | 12 | 13 | 14 | 15

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.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	E.P.J.
July 14	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

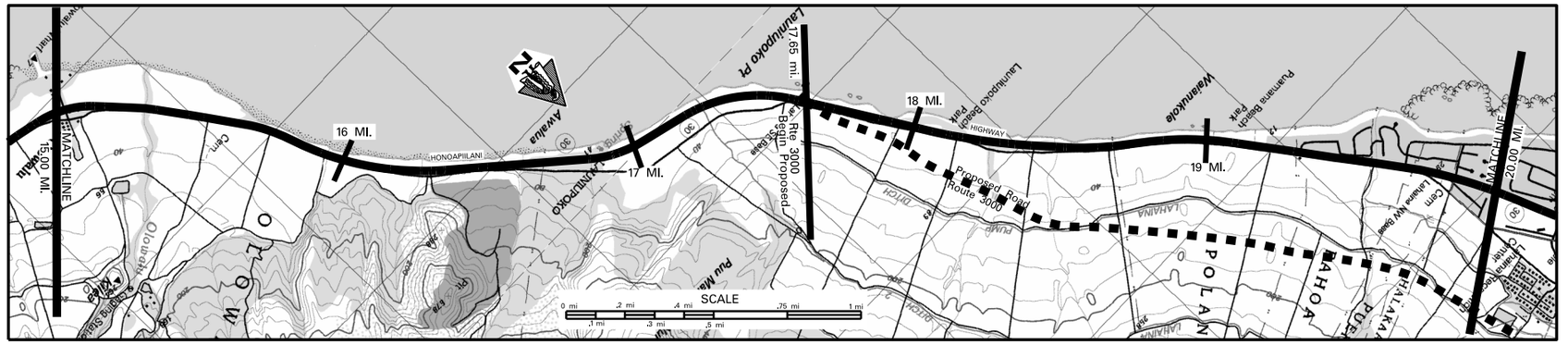
Total Route Length: 41.60 **miles**

a. Survey Length: 41.60 **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 C (15.33 MI.)

Structure Carrying Road

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

RC, Flat Slab H15, 1938 — 62' — 15.31

RC Flat Slab, 1938, H15 — 26' — 16.62

RC Flat Slab, 1938, H15 — 42' — 17.26

Conc. Slab, 1971, HS 20 — 27' — 19.59

Vertical Clearance — 24' — 24' — 24' — 44'

Structure Over Road

Horizontal Clearance

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies — 80'–345' — 70'–80' — 76'–280'

Available Right of Way Width (Needs Study) — Canefield 1000' Clear – 40' from E.P. — Trees & Heavy Bushes — (R) 1000' Clear Cane Field, 50' from E.P. (L) Beaches & Residential Area

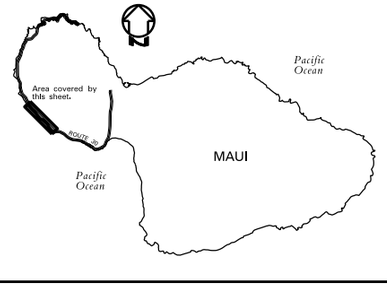
Right of Way Fence: Type – Right and Left — Wood Fence 30' from E.P.

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 — (STP-030-1(39), Widening, 2011); (STP-0900(53) (G,R,/Shldr., 2002)

Project No., Type of Construction, and Year Constructed — 30C-01-06-M, Resurf., 2008; STP-0900(53), Guardrail & Shoulder Improvements, 2002; 30ABC-01-97M, R, 1998



Road Diagram

* MP = MIlepost SIgnage

15.00 mi. CONTINUED FROM SHEET 3.

Paved Rd. 15.03 mi. — End Divided Hwy, Olowalu Village Rd. 15.14 mi. — Begin Divided Hwy, Olowalu Br. "A" 15.21 mi. — End Divided Hwy 15.31 mi. — Begin Divided Hwy 15.34 mi. — Road 15.48 mi. — End Divided Hwy 15.59 mi. — 16 MP 15.98 mi. — Begin Divided Hwy, Rd. to Refuse Disposal Site 16.19 mi. — ECB 16.29 mi. — End Divided Hwy 16.30 mi. — Olowalu Br. "B" 16.48 mi. — Culvert 16.62 mi. — 17 MP 16.83 mi. — Culvert 17.00 mi. — Launlupoko Br. 17.26 mi. — Culvert 17.38 mi. — Culvert 17.48 mi. — Culvert 17.58 mi. — Begin Proposed Rd. (Rte 3000) 17.65 mi. — Culvert 17.69 mi. — Culvert 17.85 mi. — Culvert 17.78 mi. — Begin Divided Hwy, Launlupoko Beach Park (L) 17.92 mi. — 18 MP 17.99 mi. — Kai Hele Ku St. (R) 18.05 mi. — End Divided Hwy 18.16 mi. — Culvert 18.27 mi. — Culvert 18.49 mi. — Culvert 18.74 mi. — Bridge 18.89 mi. — 19 MP 18.98 mi. — Culvert, Entrance to Launiupoko Beach Park 19.11 mi. — Begin Divided Hwy 19.17 mi. — Hokioio Pl. 19.32 mi. — End Divided Hwy 19.44 mi. — Kauaula Strm. Br. 19.54 mi. — Front St. 19.57 mi. — Aholo Rd. 19.58 mi. — 20 MP 19.68 mi. — 19.85 mi. — 19.96 mi.

HONOAPIILANI HIGHWAY

164 + 50 — 531 + 50

CONTINUED ON SHEET 5. 20.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type (Combination Shldr/Bikelane from 6.83 mi. to 19.86 mi.) — 4' AC/ 10' Grass — 6' AC — 8' AC — 6' AC — 10' AC — 8' AC — 6' AC — 8' AC — 4'–6' AC — 8' AC — 6' AC

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

Shoulder: Width and Type (Combination Shldr/Bikelane from 6.83 mi. to 19.86 mi.) — 0 — 6'–8' AC — 0 — 6'–8' AC — 0 — 6'–8' AC — 0 — 4' AC/10' Dirt — 6' AC — 0 — (6'–8' AC) 0

Divided Highway

Median: Width and Type — 0–10' Painted AC — 0–3' Painted AC — 0–11' Painted AC — 10' Paint — 0'–10' Painted AC — 10' Paint

Median Barriers: — 12' Raised & Shrubs w/ Curbs

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 — 22' AC

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

Number of Traffic Lanes — 2–12' — 4–11'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left) — 5' Conc. S.W.

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

Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless otherwise indicated. B = Conc. Barrier

Illumination: Type, Location and Number

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

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

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

Speed: 1–Design, 2–Posted — 35 MPH (2); 45 MPH (2); 45 MPH (Minimum35) (2); 45 MPH (Min, 35 MPH) (2); 45 MPH (2); 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 2013 — 28,161 — 25,700 — 34,300

HPMS Sections – AADT 2012 — 27,058 — 25,502 — 22,992

HPMS Sections – AADT 2011 — 28,056 — 24,700 — 22,200

DOD Sections

Census Tracts

Functional Classification — Principal Arterial (3) — Minor Arterial (4)

National Highway System (NHS) — On NHS (1) — (NHS diverted to bypass @ 19.68 mi. (Proposed Lahaina Bypass is all NHS))

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 19.60 30-BC-01-87M (R) 1987; 15.33; 30C-02-90 (GR & Shldr), 1991; 17.91 30BC-02-86 Improvements, 1987; 15.18 (30C-01-78 GR &Shldr, 1981); 30C-01-82M (R) 1982; 16.20; 30C-01-85M (R) 1985; 19.49 F-30(1) 1957; 30C-02-72 Resurface 1972; 16.83; F-30(1) 1957; F-30(3) 1950; 15.27; F-30(4) 1951; 17.84; F-30-1(1) 1956

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.
Feb. 12 D.B.
Feb. 13 E.P.J.
Dec. 13 E.P.J.
July 14 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

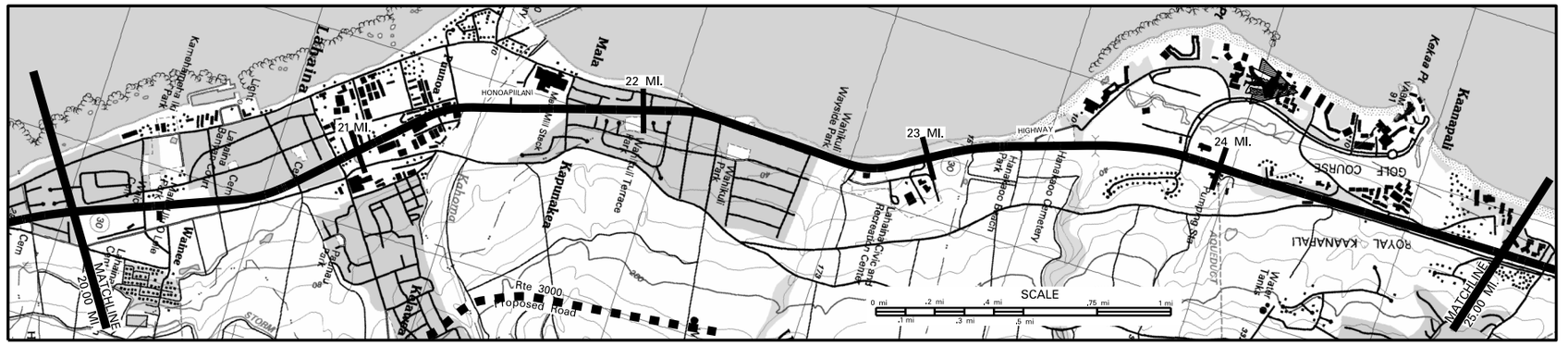
Total Route Length: 41.60 miles

a. **Survey Length:** 41.60 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 C (15.33 MI.) | 30 B (1.75 MI.) | 30 A (13.59 MI.)

End 30 B, Beg 30 C on Honoapiilani Hwy at the centerline intersection with Prison St.

End 30 A, Beg 30 B on Honoapiilani Hwy at the centerline intersection with Wahikuli Rd.

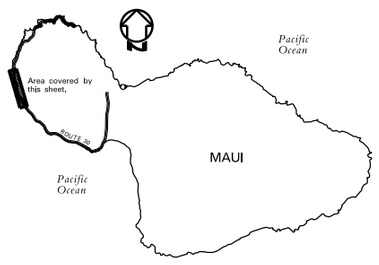
Structure Carrying Road

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' — 16.8' — 45'-4"
Horizontal Clearance	44' — 47' — 74'

Structures Other Than Road

Vertical Clearance	16.5'
Horizontal Clearance	

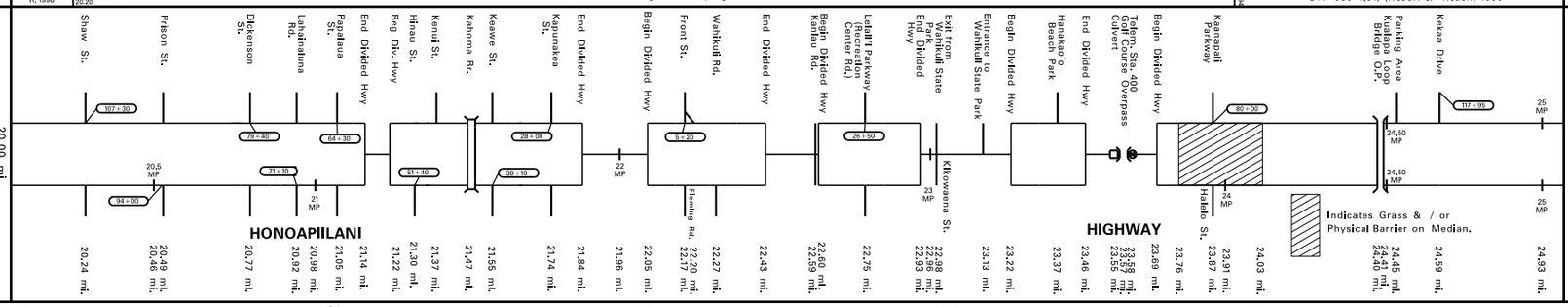
Right of Way Width (min.–max.) if varies	76'–280' — 80'–190'
Available Right of Way Width (Needs Study)	(R) 1000' Clear Cane Field, 50' from E.P. (L) Beach & Residential Area — Residential — Clear Canefield — Residential — Brush & Trees — Residential/Recreation
Right of Way Fence: Type – Right and Left	Various — Chain Link — Various — Chain Link — 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-030-1(39), Widening, 2011 — STP-030-1(049), Preventive Maintenance, 2014
Project No., Type of Construction, and Year Constructed	30ABC-01-97M, R, 1998 — HWY-M-07-07M, Marking and Striping, 2008 — STP-030-1(31) (Resurf & Widen) 1999



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET 4.



CONTINUED ON SHEET 6.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type	* (Combination Shldr/Bike Route from 6.83 mi. to 19.86 mi., 20.93 mi. to 31.20mi.) — 6' AC — *4'–6' AC
Pavement: Width and Type	22' AC — 44' AC — 22' AC — 21' AC — 22' AC — 44' AC — 22' AC — 44' AC — 22' AC — 44' AC — 22' AC — 44' AC — 22' AC
Shoulder: Width and Type	* (Combination Shldr/Bike Route from 6.83mi. to 19.86 mi., 20.93 mi. to 31.20mi.) — 0 — 0 — *6'–8' AC — 0 — *6'–8' AC — 0 — *6'–8' AC — 0 — *6'–8' AC — 0 — *6'–8' AC — 0
Median: Width and Type	0–10' Paint — 0–12' Paint — 0–11' Paint — 0–11' Paint — 0–11' Paint — (0'–10' Painted Median) — 4'–15' Painted AC
Median Barriers:	12' Raised Trees and Shrubs with Curbs
Shoulder: Width and Type	0 — 0 — 0 — 0 — 0 — (10'–38' Grass (Raised)) — 0 — (10'–38' Grass (Flush))
Pavement: Width and Type	22' AC — 22' AC — 22' AC — 22' AC — 22' AC — 22' AC — (10'–38' Grass (Raised)) — 22' AC
Shoulder: Width and Type	* (Combination Shldr/Bike Route from 6.83mi. to 19.86 mi., 20.93 mi. to 31.20mi.) — 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	4–11' — 1–10', 1–11', 2–11' — 4–11'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	11' (L) T.L. — 11' (L) T.L. — 11' T.L. — 1–11' (L) T.L. — 1–11' Accel. Ln. — 11' (R) T.L. — 11' T.L.s
(Right Side)	11' T.L. — 2 (L) T.L.s @ 11' ea
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	5' Conc. S.W.
Curb and/or Gutter: Type (Right and Left)	Conc. Curb — 4" Concrete Gutter
Protective Devices: Type, Location and Number (All Metal Rails on Metal Posts unless otherwise noted. B = Conc. Barrier)	B — Wood/Conc.
Illumination: Type, Location and Number	2 250W HPS — (Conc. Retaining Wall) — 28 250W HPS @ Intersections from 23.90mi. to 26.11mi.
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)	A — B — A
Superelevation (Range)	
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)	B — A — B — A — B — A — B — A — B
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	Small Urban (99998)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Flat (1)
Speed: 1–Design, 2–Posted	35 MPH (2) — 40 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	3 Phase — 4 Phase — 3 Phase — Traffic Lights
Traffic Stations (Current Year)	B74 0030 01969 — B74 0030 02072 — B74 0030 02093 — B74 0030 02226 — B74 0030 02389
HPMS Sections – AADT 2013	34,300 — 35,100 — 35,162 — 41,100 — 30,900
HPMS Sections – AADT 2012	22,992 — 35,040 — 33,194 — 39,300 — 30,722
HPMS Sections – AADT 2011	22,200 — 33,800 — 37,100 — 39,000 — 29,700
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	20.78 ← (STP-030-1(29), Inter. Impr. @ Dickenson St., 1999) — 30ABC-01-97M, R, 1998 — 23.90 STP-030-1(31) (Resurf & Widen) 1999 — 30AB-02-87 Widen, 1989 — 24.01 — 24.03 30A-01-96M (R) 1997 — 20.81 — 30AB-01-86M 1986 — 23.92 — 30AB-02-85 1985 — 24.51 30AC-01-87M & 30A-01-87,1987 — 30BC-01-87M (R) 1987 — 20.95 — 21.27 — 21.41 ← (30B-01-85 Traffic Signal 1985) — 30BC-02-86 Improvements, 1987 — 30AB-02-85 Shldr. & Guardrails 1985 — 22.21 — 30AB-01-82 Shldr. & Guardrails 1982 — 23.92 — 30AB-02-85 Shldr./Guardrails 1985 — F-30(1) 1957 — 20.81 — 30AB-01-78M (R) 1978 — 22.07 — 30AB-01-79M 1979 — 22.41 — 30AB-01-78M (R) 1978 — F-30-1(1) 1956 — 22.30 — S-0300(1) 1958 — 0 + 86.12 — 0 + 00

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.
Feb. 12 — D.B.
Feb. 13 — E.P.J.
Dec. 13 — E.P.J.
July 14 — D.B.

ROAD INVENTORY

MAUI RTE 30
HONOAPIILANI HWY

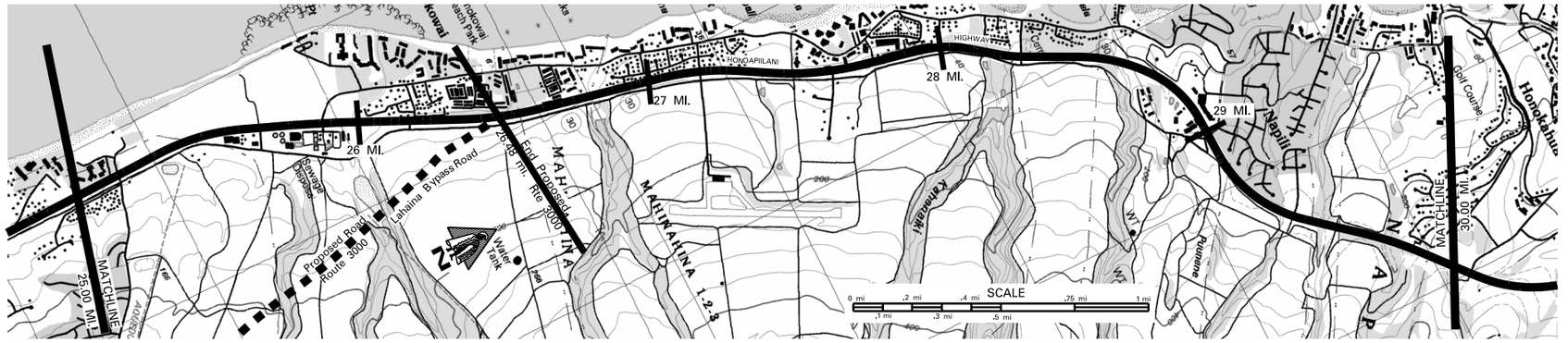
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 41.60 miles
a. Survey Length: 41.60 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

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
- Prestressed I-Beam HS-20-44 1981

Vertical Clearance
- 50' (24.99)
- 74' (26.19)

Horizontal Clearance
- 68'
- 47'

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies
- 80'–190' (25.78)
- 150' (27.05)
- 75' (28.17)
- 45'–190' (28.74)
- 90' (29.01)
- 140'–210' (29.00)
- 230'–320' (29.72)
- 300'–400'

Available Right of Way Width (Needs Study)
- Resedential/Recreation (25.23)
- Clear – Canefield 15' from E.P. (26.35)
- Residential

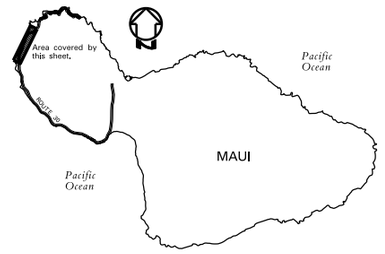
Right of Way Fence: Type – Right and Left
- Chain Link (25.99 / 26.28)
- Chain Link (26.45 / 27.42)
- Chain Link (28.09 / 28.33)
- Chain Link (28.43 / 28.52)

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C)
- 108 + 72 BL
- 29 + 00 AH
- State
- 159 + 55
- 191 + 65

Project No., Type of Construction, and Year Constructed
- STP-030-1(049), Preventive Maintenance, 2014
- STP-030-1(046), R, 2012 (112 + 50 / 112 + 60)
- 30A-01-10M, R, 2012
- 30A-01-10M, R, 2012

Project No., Type of Construction, and Year Constructed
- STP-030-1(31) Resurf & Widen 1999
- HWY-M-07-07M, Marking and Striping, 2008
- 30A-01-97M, R, 1998
- 30A-01-07, Resurf., 2008
- 30A-01-97M, R, 1998



Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET 5. (25.00 mi.)

Kai Ala Dr. (25.15 mi.) | Kaka'ilanao Dr. (25.38 mi.) | Halawai Dr. (25.44 mi.) | Lower Honoapiilani Rd. (25.62 mi.) | Honokowai Br. (25.88 mi.) | End Divided Hwy (25.98 mi.) | Cane Haul Rd. (26.02 mi.) | Cane Haul Rd. End Proposed (Rte 3000) (Lahaina Bypass) (26.07 mi.) | ECB (L) (26.17 mi.) | Begin Divided Hwy (26.48 mi.) | Akahele St. (26.57 mi.) | Culvert End Divided Hwy (26.59 mi.) | Begin Divided Hwy (26.97 mi.) | Ala Hoku Pl. (27.17 mi.) | Hoohuli St. (27.30 mi.) | Ent. to Kahana Gateway (27.32 mi.) | End Divided Hwy (27.45 mi.) | Kahana Nui Rd. (27.49 mi.) | Kahana Kai Br. (27.61 mi.) | Cane Haul Rd. (Hui Rd.) (27.76 mi.) | ECB (R) (27.88 mi.) | Culvert (28.05 mi.) | Culvert (28.16 mi.) | Begin Divided Hwy (28.30 mi.) | Napilihau St. (28.36 mi.) | End Divided Hwy (28.46 mi.) | Begin Divided Hwy (28.85 mi.) | Culvert (28.74 mi.) | Begin Divided Hwy (28.79 mi.) | Culvert (28.83 mi.) | Begin Divided Hwy (29.03 mi. / 28.97 mi.) | Culvert (29.16 mi.) | Begin Divided Hwy (29.23 mi.) | Makai Side – Tractor–Xing Culvert (29.28 mi.) | Street & Tractor–Xing Culvert (29.39 mi.) | End Divided Hwy (29.42 mi.) | Totem. Stn. 030029 (29.50 mi.) | Begin Divided Hwy (29.52 mi.) | Paved Rd. (29.57 mi.) | Begin Divided Hwy (29.75 mi.) | (29.85 mi.) | (29.95 mi.)

HONOAPIILANI HIGHWAY

CONTINUED ON SHEET 7. (30.00 mi.)

SCALE: (In Miles) 4" = 1 mile

25 | 26 | 27 | 28 | 29 | 30

Divided Highway

Undivided

Shoulder: Width and Type *(Combination Shldr./Bike Route to 31.20 mi.)
- *4'–6' AC (25.07)
- *8'–10' AC (26.12)
- MILLED SHLD RUMBLE STRIP (27.36)
- *10'–12' AC (27.69)
- MILLED SHLD RUMBLE STRIP (28.60)
- 4'–6' Bike Route (29.07)
- *MILLED, SHLD. RUMBLE STRIP* (29.52)
- (8' AC)*

Pavement: Width and Type
- 22' AC
- 24' AC (26.40)
- 12' AC (27.36)
- 24' AC
- 12' AC (27.69)
- (MILLED SHLD. RUMBLE STRIP) 24' AC (28.60)
- 12' AC (29.07)
- 24' AC (29.20)
- 12' AC (29.36)
- 36' AC (29.73)
- 12' AC (29.95)

Shoulder: Width and Type *(Combination Shldr./Bike Route to 31.20 mi.)
- 0
- *8'–10' AC
- *10' AC
- MILLED SHLD RUMBLE STRIP
- MILLED C/L RUMBLE STRIP
- 0
- *10' AC (27.36)
- 0
- *10' AC
- MILLED C/L RUMBLE STRIP
- 4'–6' Bike Route
- 0
- 10' AC (29.10)
- 12' Painted AC (MILLED C/L RUMBLE STRIP) (29.28)
- 0
- 10' AC

Divided Highway

Median: Width and Type
- 0–15' Painted AC
- 12' Painted AC (26.99)
- 12' Painted AC
- 12' Painted AC
- 12' Painted AC (28.83)
- 12' Painted AC
- 12' Painted AC (29.36)

Median Barriers:
- (26.07)
- (27.36)
- (27.69)
- (27.96)
- (28.17 / 28.35)
- (28.59)
- (29.20)
- (29.52)
- (29.73)
- (29.75)

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
- 24' AC (29.44)
- 24' AC

Shoulder: Width and Type *(Combination Shldr./Bike Route to 31.20 mi.)
- *6'–8' AC
- MILLED SHLD RUMBLE STRIP
- *10' AC (27.36)
- *10' AC
- 4'–6' Bike Route
- 10' AC (29.10)
- *10' AC
- *10' AC

Number of Traffic Lanes
- 4–11' (11' T.L. / 12' / AUX / Frontage Road (R) 2–12' with Bike Route (not Lane) (L) & (R))
- 2–12' (All 12' T.L.s)
- 1–12' / 1–12' / 1–12' Truck Ln. / 12' T.L. / 12' Climbing 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)
- 4' Conc. S.
- 4' Conc. Gutter
- 4'–6' Conc. Gutter
- 4' Conc. Gutter
- 4' C. G.
- 4' Conc. Gutter
- 4' C. G.

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

Protective Devices: Type, Location and Number (All Metal Rails on Metal Posts unless otherwise noted. B=Conc. Barrier)

Illumination: Type, Location and Number

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

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)
- B (25.26) | A (26.04) | B (26.74) | A (26.84) | B (28.96) | C (29.27) | B (29.32) | C (29.77) | D (29.84) | B

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
- Small Urban (99998)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous
- Flat (1) (27.85)
- Rolling (2)

Speed: 1–Design, 2–Posted
- 40 MPH (2) (26.11)
- 45 MPH (1)

Intersection Control Devices: Type, Location and Cycle Timing
- 3 Phase (25.63) | 3 Phase (25.89) | 4 Phase (27.48) | 3 Phase (29.07)

Traffic Stations (Current Year)
- B74 0030 02389 (25.16)
- B74 0030 02516
- B74 0030 02589 (26.00)
- B74 0030 02609
- B74 0030 02682 (29.03)
- B74 0030 02903 (28.44)
- B74 0030 02944

HPMS Sections – AADT 2013
- 30,900 | 30,123 | 17,900 | 19,510 | 14,815 | 7,700 | 7,400

HPMS Sections – AADT 2012
- 30,722 | 28,473 | 25.89 | 18,273 | 26.00 | 18,418 | 26.63 | 14,357 | 29.03 | 7,831 | 28.44 | 7,200

HPMS Sections – AADT 2011
- 29,700 | 29,156 | 17,600 | 13,900 | 14,100 | 7,600 | 6,700

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).
- Not On NHS (0) (26.44)

Previous Projects: Project No., Date and Limits
- 25.82 (BL 20) HWY-M-07-07M, Marking and Striping, 2008 (28.60)
- 30A-01-96M (R) 1997 (25.64)
- 30AC-01-87M & 30A-01-87, 1987 (25.69) STP-030-1(23) Resurf 1996 (27.70) 30A-01-97M, R, 1998
- 30AB-01-78M Resurf 1978 (25.79)
- S-0300(1) 1958 (25.73) 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

25 | 26 | 27 | 28 | 29 | 30

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.
Feb. 12 D.B.
Feb. 13 E.P.J.
Dec. 13 E.P.J.
July 14 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

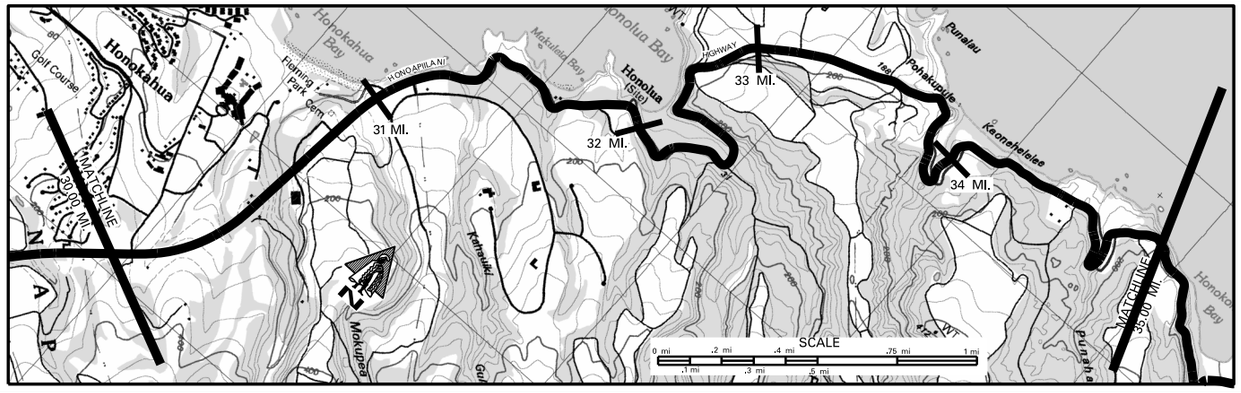
Total Route Length: 41.60 **miles**

a. Survey Length: 41.60 **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' (30.55)
- S.S. Conc. Slab H-10 1924 — 24' (32.40)

Vertical Clearance
- 52'
- 17'

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 (30.05–31.19) | Heavy Brush, Trees & Rocks (31.19–33.07) | 1000' Clear Pineapple Fields 15' form E.P. (33.07–33.50) | Heavy Brush & Rock (33.50–34.97)

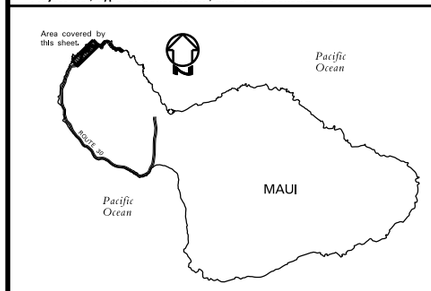
Right of Way Fence: Type – Right and Left: Chain Link (31.69–31.73, 31.76–31.81); Wire on Wood (34.47–34.97)

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): 206 + 71.27 (31.18) — State

Project No., Type of Construction, and Year Constructed: 30A-01-10M, R, 2012

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.)

End Divided Hwy — Kapalua Village Golf Course — 30.05 mi.
Culvert — 30.13 mi.
Honokahua Strm. Br. (63+22.76) — 30.16 mi.
Culvert — 30.38 mi.
Access Rd "A" — 30.55 mi.
Culvert — 30.67 mi.
Beg Divided Hwy — 30.82 mi.
Honoapiilani Hwy — 30.90 mi.
Access to Lower to Honoapiilani Stores Dr. — 30.92 mi.
End Divided Hwy — 31.03 mi.
Plantation Estates Dr. — 31.12 mi.
HONOAPIILANI — 31 MP
Culvert — 31.18 mi.
Lookout Access Rds. — 31.33 mi.
32 MP (L) — 31.44 mi. / 31.42 mi.
Lookout (L) — 31.50 mi.
Honolua Pl. — 31.62 mi.
Lookout Access Rds. — 31.82 mi.
Honolua Br. — 31.94 mi. / 31.91 mi.
33 MP — 32.36 mi.
Pineapple Field Rd. — 32.46 mi.
34 MP — 33.12 mi.
Dirt Road — 33.46 mi.
Culvert — 33.65 mi.
HIGHWAY — 33.89 mi.
Pullout — 34.22 mi.
35 MP — 34.29 mi.
Pullout — 34.46 mi.
Culvert — 34.70 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) 12' AC — 30.05–30.08
- 0 — 30.08–30.16
- MILLED SHLD RUMBLE STRIP — 30.16
- *8' AC — 30.16–30.54
- *8' (PCC) — 30.54–30.68
- 36' AC — 30.68–30.87
- 36' PCC — 30.87–31.24
- 36' AC — 31.24–31.36
- 24' AC — 31.36–31.50
- *10' AC — 31.50–31.78
- *8' AC — 31.78–31.98
- (8' AC) — 31.98–32.80
- 2' AC — 32.80–32.98
- 4' AC — 32.98–33.56
- 2' AC/4' Grs — 33.56–34.33
- 2' AC — 34.33–34.54
- 2' AC/4' Grs — 34.54–34.98
- 2' AC — 34.98–35.00

Pavement: Width and Type
- 12' AC — 30.05–30.08
- *10' AC — 30.08–30.16
- *8' (PCC) — 30.16–30.54
- 36' AC — 30.54–30.68
- 36' PCC — 30.68–30.87
- 36' AC — 30.87–31.24
- 24' AC — 31.24–31.36
- *10' AC — 31.36–31.50
- *8' AC — 31.50–31.98
- 20' AC — 31.98–34.98
- 2' AC — 34.98–35.00

Shoulder: Width and Type *(Combination Shldr./Bike Route to 31.20 mi. – see arrows)
- 0 — 30.05–30.08
- MILLED SHLD RUMBLE STRIP — 30.08
- MILLED C/L RUMBLE STRIP — 30.08
- (8' AC) — 31.24–31.36
- 12' Painted AC — 30.08–31.36
- 0 — 31.36–31.98

Divided Highway — Divided

Median: Width and Type
- 12' Painted AC — 30.08–31.36
- 0 — 31.36–31.98

Median Barriers:

Shoulder: Width and Type
- 0 — 30.05–30.08
- 12' AC — 30.08–31.36
- *10' AC — 31.36–31.50
- *8' AC — 31.50–31.98

Pavement: Width and Type
- (24' AC) 12' AC — 30.05–30.08
- *10' AC — 30.08–31.36
- 12' AC — 31.36–31.98

Shoulder: Width and Type *(Combination Shldr./Bike Route to 31.20 mi. – see arrows)
- *10' AC — 30.05–30.08
- *8' AC — 30.08–31.36
- *8' AC — 31.36–31.98

Number of Traffic Lanes
- (1–12', 1–12' T.L.) — 30.05–30.08
- 1–12', 1–12' Truck Lane — 30.08–30.87
- 1–12' — 30.08–30.87
- 12' Climbing Lanes — 30.08–30.87
- 2–12' — 30.87–31.27
- 10' T.L.s — 30.87–31.27
- 12' T.L. — 30.87–31.27
- 8' T.L. — 30.87–30.96
- 10' T.L. — 30.96–31.27
- 12' T.L. — 31.27–31.36
- 2–10' — 31.36–35.00

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

(Right Side)
- 12' T.L. — 30.05–30.08
- 12' T.L. — 30.87–31.27

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

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left)
- AC Curb — 30.05–30.87
- 4' Conc. Gutter — 30.07–30.87
- Curb — 31.07–31.27

Protective Devices: Type, Location and Number — All Guardrails Metal Rails on Metal Posts except where otherwise noted. B– Conc. Barrier
- B — 30.06–30.07
- B — 30.41–30.53
- B — 30.55–30.67
- B — 30.87–30.96
- B — 31.07–31.27
- B — 32.78–32.99
- B — 33.67–33.69
- B — 33.96–34.08
- B — 34.36–34.49
- B — 34.57–34.68
- B — 34.87–34.95

Illumination: Type, Location and Number

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)
- A — 30.05–30.87
- A — 31.07–31.98
- B — 31.98–32.08
- D — 32.08–32.42
- F — 32.42–32.53
- D — 32.53–32.67
- E — 32.67–32.78
- CE — 32.78–32.91
- AF — 32.91–33.07
- A — 33.07–33.13
- E — 33.13–33.30
- D — 33.30–33.37
- C — 33.37–33.40
- A — 33.40–33.54
- D — 33.54–33.67
- A — 33.67–33.74
- D — 33.74–33.96
- A — 33.96–34.07
- D — 34.07–34.27
- F — 34.27–34.40
- B — 34.40–34.47
- FA — 34.47–34.52
- D — 34.52–34.73
- E — 34.73–34.88
- F — 34.88–34.97
- E — 34.97–35.00

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)
- B — 30.05–30.21
- E — 30.21–30.50
- D — 30.50–30.80
- B — 30.80–31.27
- C — 31.27–31.81
- B — 31.81–31.99
- C — 31.99–32.64
- B — 32.64–32.91
- D — 32.91–33.27
- B — 33.27–33.67
- C — 33.67–33.92
- B — 33.92–34.08
- C — 34.08–34.36
- B — 34.36–34.51
- A — 34.51–34.58
- B — 34.58–34.87
- D — 34.87–35.00

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
- Small Urban (99998) — 30.05–31.12
- Rural (99999) — 31.12–35.00

Terrain: 1–Flat, 2–Rolling, 3–Mountainous
- Rolling (2) — 30.05–31.12
- Mountainous (3) — 31.12–32.83
- Flat (1) — 32.83–32.99
- Rolling (2) — 32.83–32.99
- Mountainous (3) — 32.99–35.00

Speed: 1–Design, 2–Posted
- 45 MPH (1) — 30.05–30.78
- 35 MPH (1) — 30.78–30.93
- 45 MPH (1) — 30.93–31.07
- 30 MPH (1) — 31.07–31.12
- (35 MPH (2)) — 31.12–31.27
- 25 MPH (1) — 31.27–31.98
- 25 MPH (2) — 31.98–32.83

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)
- (B74 0030 02944) — 30.05
- B74 0030 03005 — 30.05–30.42
- B74 0030 03082 — 31.98–35.00

HPMS Sections – AADT 2013
- (7,400) — 30.05
- 4,040 — 30.05–30.42
- 1,500 — 31.98–35.00

HPMS Sections – AADT 2012
- (7,200) — 30.05
- 3,916 — 30.05–30.42
- 2,309 — 31.98–35.00

HPMS Sections – AADT 2011
- (6,700) — 30.05
- 3,800 — 30.05–30.42
- 2,200 — 31.98–35.00

DOD Sections

Census Tracts

Functional Classification: Major Collector (5) — 30.05–35.00

National Highway System (NHS): Not on NHS (0) — 30.05–35.00

Previous Projects: Project No., Date and Limits
- (F-030-1(8) 1984 New Construction) — 30.05
- F-030-1(18) 1986 New Construction — 30.05–31.19
- A 300-01-66 (R) 1963 — 31.98–35.00

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.
Nov. 06	D.B.
Mar. 09	D.B.
Dec. 09	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	E.P.J.
July 14	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
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

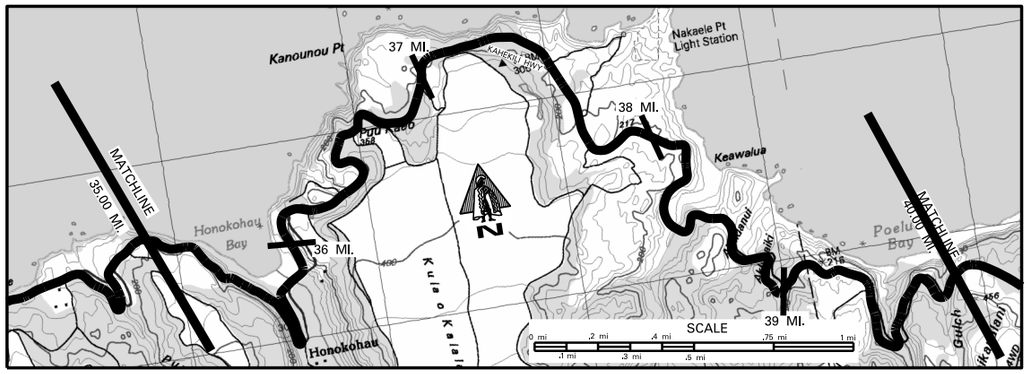
Total Route Length: 41.60 **miles**

a. Survey Length: 41.60 **miles**

b. Proposed Length: 0.00 **miles**

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

*



SCALE: (In Miles) 4" = 1 mile

35 36 37 38 39 40

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
- Timber Stringer, 1924 H–10, 22', 38.49

Vertical Clearance
- 26', 35.87

Horizontal Clearance
- 13', 38.49

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies
- 40', 37.47

Available Right of Way Width (Needs Study)

Right of Way Fence: Type – Right and Left
- Chain on Wood, 35.87 – 36.86
- Wire on Wood, 37.47 – 38.49

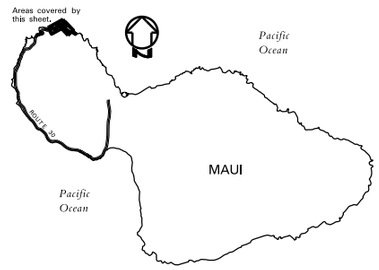
Control of Access: 1–None, 2–Partial, 3–Full
- None, 37.47

Jurisdiction, Transfer Phase No. and Date (C to S or S to C)
- 1905 + 00, 35.87
- State, 37.47

Project No., Type of Construction, and Year Constructed
- 30A–01–12M, Resurface, 2014, 37.47

Project No., Type of Construction, and Year Constructed
- 30A–01–91M (R) 1992, 35.87
- 30A–01–07M, Repairs and Maintenance, 2008, 37.47

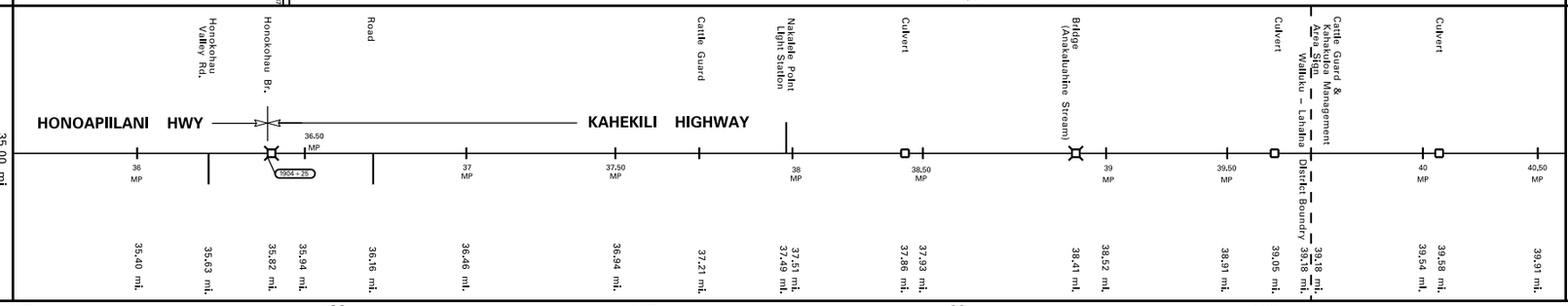
Areas covered by this sheet



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET 7. 35.00 mi.



CONTINUED ON SHEET 9. 40.00 mi.

SCALE: (In Miles) 4" = 1 mile

35 36 37 38 39 40

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, 37.31
- 2' AC/6' Dirt, 38.10
- 2' AC

Divided Highway – Divided

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes
- 2–10', 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, 35.71 – 35.87
- 3'–5' AC Gutter, 36.10 – 36.24
- 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 Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)
- A 35.87 – 35.89
- E 35.89 – 35.97
- D 35.97 – 36.01
- E 36.01 – 36.03
- C 36.03 – 36.05
- B 36.05 – 36.07
- A 36.07 – 36.09
- D 36.09 – 36.11
- E 36.11 – 36.13
- D 36.13 – 36.19
- F 36.19 – 36.49
- D 36.49 – 36.53
- E 36.53 – 36.55
- D 36.55 – 36.57
- E 36.57 – 36.59
- C 36.59 – 36.61
- B 36.61 – 36.63
- A 36.63 – 36.65
- D 36.65 – 36.67
- E 36.67 – 36.69
- C 36.69 – 36.71
- B 36.71 – 36.73
- A 36.73 – 36.75
- D 36.75 – 36.77
- E 36.77 – 36.79
- C 36.79 – 36.81
- B 36.81 – 36.83
- A 36.83 – 36.85
- D 36.85 – 36.87
- E 36.87 – 36.89
- C 36.89 – 36.91
- B 36.91 – 36.93
- A 36.93 – 36.95
- D 36.95 – 36.97
- E 36.97 – 36.99
- C 36.99 – 37.01
- B 37.01 – 37.03
- A 37.03 – 37.05
- D 37.05 – 37.07
- E 37.07 – 37.09
- C 37.09 – 37.11
- B 37.11 – 37.13
- A 37.13 – 37.15
- D 37.15 – 37.17
- E 37.17 – 37.19
- C 37.19 – 37.21
- B 37.21 – 37.23
- A 37.23 – 37.25
- D 37.25 – 37.27
- E 37.27 – 37.29
- C 37.29 – 37.31
- B 37.31 – 37.33
- A 37.33 – 37.35
- D 37.35 – 37.37
- E 37.37 – 37.39
- C 37.39 – 37.41
- B 37.41 – 37.43
- A 37.43 – 37.45
- D 37.45 – 37.47
- E 37.47 – 37.49
- C 37.49 – 37.51
- B 37.51 – 37.53
- A 37.53 – 37.55
- B 37.55 – 37.57
- D 37.57 – 37.59
- B 37.59 – 37.61
- E 37.61 – 37.63
- A 37.63 – 37.65
- B 37.65 – 37.67
- D 37.67 – 37.69
- E 37.69 – 37.71
- F 37.71 – 37.73
- E 37.73 – 37.75
- B 37.75 – 37.77
- A 37.77 – 37.79
- D 37.79 – 37.81
- E 37.81 – 37.83
- F 37.83 – 37.85
- E 37.85 – 37.87
- B 37.87 – 37.89
- A 37.89 – 37.91
- D 37.91 – 37.93
- E 37.93 – 37.95
- F 37.95 – 37.97
- EB 37.97 – 37.99
- D 37.99 – 38.01
- A 38.01 – 38.03
- B 38.03 – 38.05
- D 38.05 – 38.07
- E 38.07 – 38.09
- C 38.09 – 38.11
- B 38.11 – 38.13
- D 38.13 – 38.15
- A 38.15 – 38.17
- D 38.17 – 38.19
- A 38.19 – 38.21
- D 38.21 – 38.23
- A 38.23 – 38.25
- D 38.25 – 38.27
- D 38.27 – 38.29

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)
- D 35.87 – 35.91
- B 35.91 – 35.93
- D 35.93 – 35.95
- B 35.95 – 35.97
- F 35.97 – 36.01
- E 36.01 – 36.03
- C 36.03 – 36.05
- D 36.05 – 36.07
- B 36.07 – 36.09
- C 36.09 – 36.11
- B 36.11 – 36.13
- A 36.13 – 36.15
- B 36.15 – 36.17
- D 36.17 – 36.19
- F 36.19 – 36.21
- B 36.21 – 36.23
- E 36.23 – 36.25
- B 36.25 – 36.27
- C 36.27 – 36.29
- B 36.29 – 36.31

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
- Rural (99999), 35.87 – 37.25
- Mountainous (3), 37.25 – 39.73

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

Speed: 1–Design, 2–Posted
- 25 MPH (2), 35.87 – 39.73

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)
- B74 0030 03082, 35.87
- B74 0030 03588, 37.25

HPMS Sections – AADT 2013
- 1,500, 35.87
- 1,952, 37.25

HPMS Sections – AADT 2012
- 2,309, 35.87
- 1,876, 37.25

HPMS Sections – AADT 2011
- 2,200, 35.87
- 1,945, 37.25

DOD Sections

Census Tracts

Functional Classification
- Major Collector (5), 35.87 – 39.73

National Highway System (NHS)
- Not on NHS (0), 35.87 – 39.73

Previous Projects: Project No., Date and Limits
- 30A–01–95M (Resurface) 1996, 37.25
- 340D–01–93M (R) 1994, 35.87 – 39.73
- 330C–03–79 1970, 35.87 – 39.31
- 340A–02–72, 1976, 39.31 – 39.73
- A 300–01–66 (R) 1968, 35.57 – 35.87
- County, 35.87 – 39.73

SCALE: (In Miles) 4" = 1 mile

35 36 37 38 39 40

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.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	E.P.J.
July 14	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

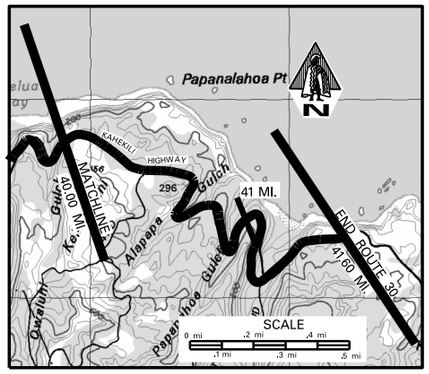
Total Route Length: 41.60 **miles**

a. Survey Length: 41.60 **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
25'
18'

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)

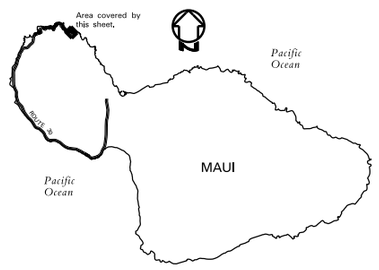
Right of Way Fence: Type – Right and Left

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
30A-01-12M, Resurface, 2014 (2209 + 50)

Project No., Type of Construction, and Year Constructed
30A-01-07M, Repairs and Maintenance, 2008 (2211 + 50 — 41.60)



Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET 8.
40.00 mi.

Culvert
Bridge (Papanahoa Strm.)
KAHEKILI HIGHWAY
2103 + 18
41 MP
41.50 MP
40.12 mi.
40.57 mi.
40.93 mi.
41.25 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '12 VIDEOLOG & '12 FEATURES DATABASE.
END RTE 30 ON KAHEKILI HIGHWAY
0.35 MI EAST OF PAPANAHOA STR.
BRIDGE @ END OF STATE HWY SIGNS.
*41.60 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
40.00 40.05 41.17 41.23 41.27 41.31 41.41

Protective Devices: Type, Location and Number
All Metal Rails on Metal Posts.
40.04 40.09 40.94 40.98 41.05 41.24 41.27

Illumination: Type, Location and Number

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)
A 40.00 CA 40.13 E 40.25 AE 40.28 F 40.40 AC 40.49 C 40.69 C 40.72 D 41.18 E 41.24 D 41.35 E

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)
B 40.00 C 40.95 B 41.03 D 41.20 B 41.28 D

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
Rural (99999)

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

Speed: 1–Design, 2–Posted
25 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)
B47 0030 03588

HPMS Sections – AADT 2013
1,952

HPMS Sections – AADT 2012
1,876

HPMS Sections – AADT 2011
1,945

41.60

DOD Sections

Census Tracts

Functional Classification
Major Collector (5)

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

Previous Projects: Project No., Date and Limits

30A-01-95M (Resurface) 1996
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.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.

ROAD INVENTORY
MAUI RTE 31
PIILANI HIGHWAY

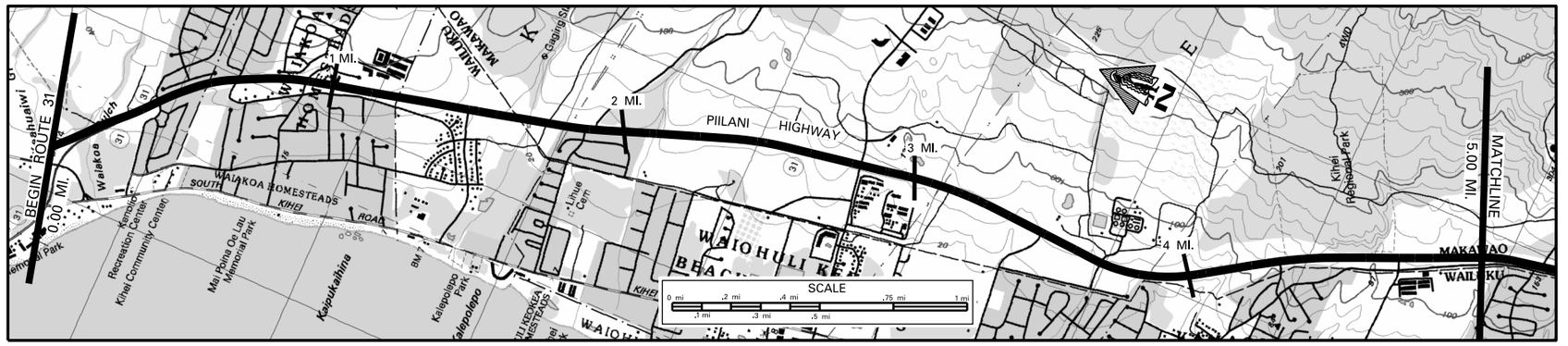
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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)

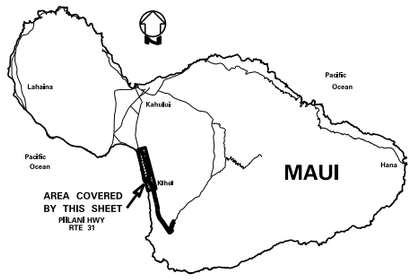
Right of Way Fence: Type – Right and Left

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

BEGIN ROUTE 31 ON PIILANI HIGHWAY AT THE CENTERLINE INTERSECTION WITH NORTH KIHEI RD. (RTE 310), (SAME AS END RTE 311 MOLUELE HWY)

CONTINUE ON SHEET #2.

SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided

Shoulder: Width and Type (COMBINATION SHOULDER AND BIKE ROUTE FROM 0.00 – 5.93 MILE)

Pavement: Width and Type

Shoulder: Width and Type (COMBINATION SHOULDER AND BIKE ROUTE FROM 0.00 – 5.93 MILE)

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type (COMBINATION SHOULDER AND BIKE ROUTE FROM 0.00 – 5.93 MILE)

Number of Traffic Lanes

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

(Right SIde)

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

Sidewalk: Width and Type (Right and Left)

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

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

Illumination: Type, Location and Number

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Speed: 1–Design, 2–Posted

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

HPMS Sections – AADT 2013

HPMS Sections – AADT 2012

HPMS Sections – AADT 2011

DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 4" = 1 mile

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.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	EPJ
July 14	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

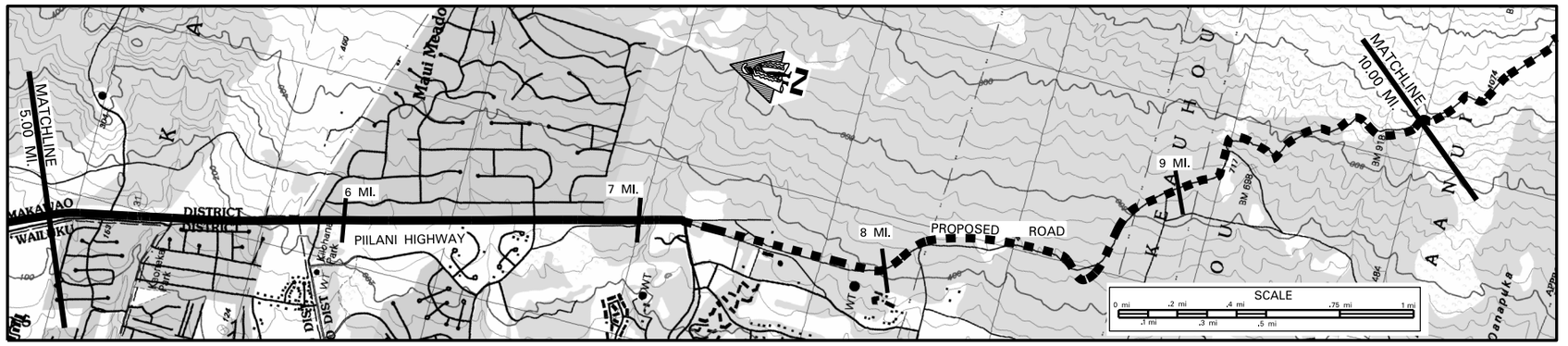
Total Route Length: 12.01 miles

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

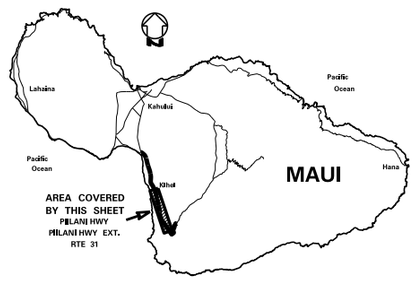
Structure Carrying Road

- 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' | 105' – 305'
- Available Right of Way Width (Needs Study)
- Right of Way Fence: Type – Right and Left: CHAINLINK | CHAINLINK
- Control of Access: 1–None, 2–Partial, 3–Full: NONE | STATE
- Jurisdiction, Transfer Phase No. and Date (C to S or S to C)
- Project No., Type of Construction, and Year Constructed: ARR–031–1(11), PREVENTIVE MAINTANCE, 2010
- Project No., Type of Construction, and Year Constructed (31AB–01–02, WIDENING, 2003): STP–0900(58), GUARDRAIL & SHLDR. IMP., 2004 | HWY–M–01–06M, RESURF., 2007



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

Continued from Sheet # 1

PIILANI HIGHWAY

Kaonakai Rd Culvert Begin Divided — 9 MP — 58+00 — End Divided — 5.30 mi. 5.32 mi. 5.35 mi. 5.36 mi. 5.42 mi. — 5.58 mi.

Mapu Place and Begin Divided — 10 MP — End Divided — 5.92 mi. Kilohana Dr — 6.08 mi.

E C B (R) Culvert Begin Divided — 122+00 — Okolani Dr — End Divided — 6.30 mi. 6.37 mi. 6.46 mi. 6.51 mi. 6.65 mi. — 6.88 mi.

Mililol Pl — Begin Divided — 7.02 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '12 VIDEOLOG & '12 FEATURES DATABASE. 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 Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62): A | (B)
- Superelevation (Range)
- Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45): B | C | B
- Vertical Curve: Crest or Sag, Curve Limits
- Area and Development: SMALL URBAN (99998) | SMALL URBAN (99998)
- Terrain: 1–Flat, 2–Rolling, 3–Mountainous: FLAT (1)
- Speed: 1–Design, 2–Posted: 40 MPH (2) | 45 MPH (2) / 45 MPH (1) / 35 MPH (2) | 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 2013: 22,083 | 33,000
- HPMS Sections – AADT 2012: 20,847 | 31,500
- HPMS Sections – AADT 2011: 24,712 | 14,000
- DOD Sections
- Census Tracts
- Functional Classification: PRINCIPLE ARTERIAL (3) | PRINCIPLE ARTERIAL (3)
- National Highway System (NHS): ON NHS (1) | ON NHS – UNBUILT
- Previous Projects: Project No., Date and Limits:
  - STP–0900(58), GUARDRAIL & SHLDR. IMP., 2004
  - 31AB–01–02, WIDENING, 2003
  - STP–031–1(8), RESURFACING 1996
  - TQF–RF–031–1(6) 1981
  - 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.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	E.P.J.
July 14	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

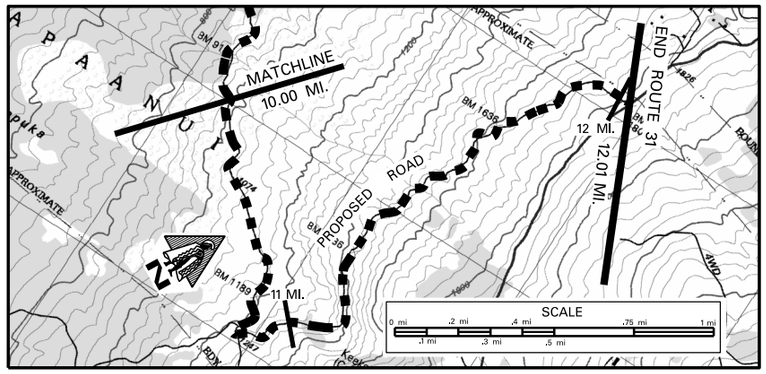
Total Route Length: 12.01 miles

a. Survey Length: 7.15 miles

b. Proposed Length: 4.86 miles

c. Other Length: * 0.00 miles

*



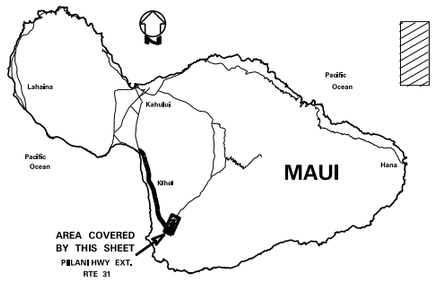
SCALE: (In Miles) 4" = 1 mile

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

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 Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)
- Superelevation (Range)
- Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)
- Vertical Curve: Crest or Sag, Curve Limits
- Area and Development: SMALL URBAN (99998)
- Terrain: 1–Flat, 2–Rolling, 3–Mountainous
- Speed: 1–Design, 2–Posted
- Intersection Control Devices: Type, Location and Cycle Timing
- Traffic Stations (Current Year) B74 0031 00777 (PROPOSED)
- HPMS Sections – AADT 2012
- HPMS Sections – AADT 2011
- HPMS Sections – AADT 2010
- DOD Sections
- Census Tracts
- Functional Classification
- 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.
Feb. 12	D.B.
Sept. 12	E.P.J.
Sept. 13	E.P.J.

ROAD INVENTORY

MAUI RTE 32
MAIN ST. – KAAHUMANU AVE.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

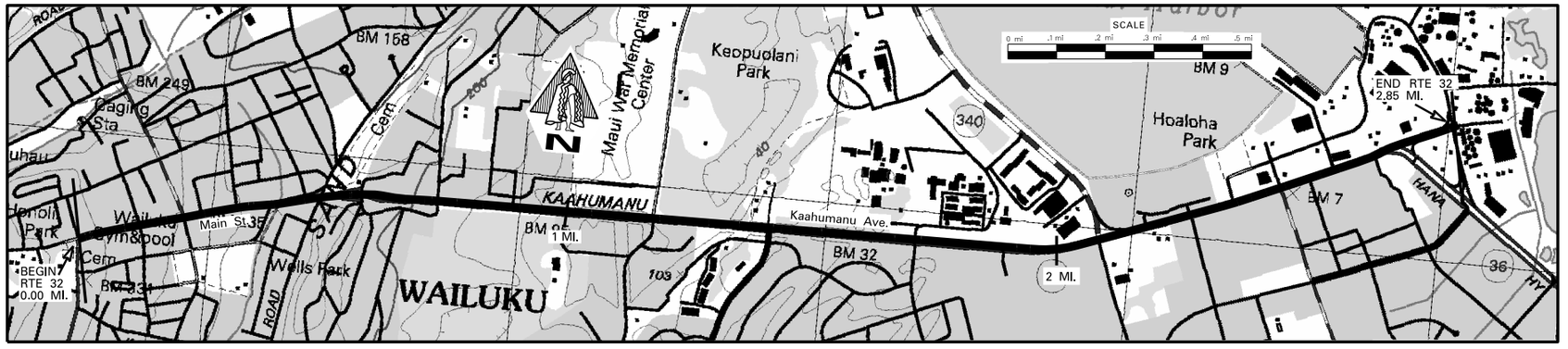
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

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.

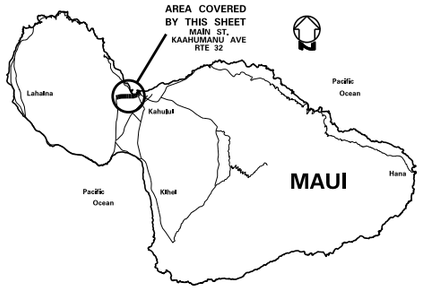
Structure Carrying Road

- 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

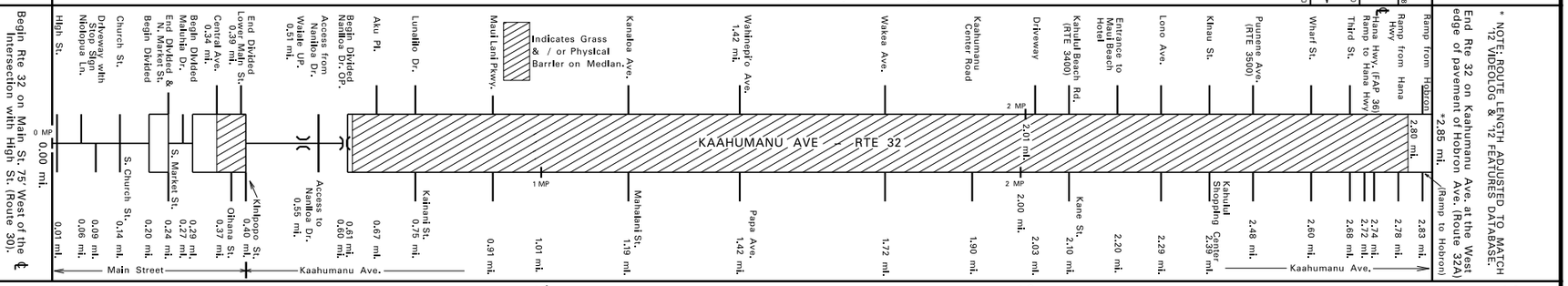
- Vertical Clearance — 14' 10"
- Horizontal Clearance — 45'

- Right of Way Width (min.–max.) if varies — 50' (0.00); 115' – 265'; 125' – 160' (2.03); 100' – 145' (2.22); 80' – 100' (2.69)
- Available Right of Way Width (Needs Study) — Urban / Commercial; Bushes with Slight Cut Slope (0.76); Urban / Commercial (1.75)
- 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), RESURF., 2004 (0.34); NH–032–1(8), Resurface, 2002
- Project No., Type of Construction, and Year Constructed — NH–STP–032–1(6), Traffic Signals & Widening, 2002 (36A–01–96M, (R), 1999) (HWY–M–04–97, 1998) (2.60); (2.70); (2.78); (HWY–M–04–97, 1998)



Road Diagram

* MP = Milepost Signage



* NOTE: ROUTE LENGTH ADJUSTED TO '12 VIDEOLOG & '12 FEATURES DATABASE.
End Rte 32 on Kaahumanu Ave. at the West edge of pavement of Hobron Ave. (Route 32A)
*2.85 mi. (Ramp to Hobron)

Divided Highway – Undivided

Scale: 1" = 0.15 mile

- Shoulder: Width and Type — 26' AC; 23' AC; 12' AC; 26' AC; 8'–10" AC; 4' AC; 4'–6' AC; 24' AC; 36' AC; 12'–22' AC (4" AC); (32' AC)
- Pavement: Width and Type — 12' AC; [24' AC]; 32' AC; 1' AC; (2" AC); (1" AC); 2" AC; (3" AC); 2" AC
- Shoulder: Width and Type — 14' AC; 4'–8" AC; (0); 1' AC; (2" AC); 1'–6" AC; 1'–3" AC
- Median: Width and Type — 0'–4" Painted; 0'–6" Painted with Cold Mix; 0'–6" Painted; 4' – 24' Grass (raised); 4'–24' Trees & Shrubs (Raised); 4'–24' Grs. (Raised); (0' – 4" Painted) AC
- Shoulder: Width and Type — 10" AC; 1'–6" AC; 12' AC; 12' AC; 24' AC; 36' AC; 24' AC; 14' AC; 28' AC
- Pavement: Width and Type — 4 – 10' AC; 4'–6' AC; 4' AC; 36' AC; 1'–3' AC
- Shoulder: Width and Type — (1–11); 2'–6" AC; 4'–6' AC; 0; 4' AC; 12'–22' AC (1'–18"); (1'–14")

- Number of Traffic Lanes — 1–11'; 1–12'; 1–14'; 2–12'; 2–11'; 1–10', 1–11'; 2–12'; 4–12'; 2–12'; 3–12'; 4–12'; 6–12'; 2–12'; 3–12'; 1–12' to 22'; 2–14'
- Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — PL = 8' Parking Lane
- (Right Side) — PL = 8' Parking Lane
- Frontage Road: No. of Lanes, and Width (Right and Left)
- Sidewalk: Width and Type (Right and Left) — Conc.; 6' Conc. SW; C. SW
- Curb and/or Gutter: Type (Right and Left) — 1=AC Curb; Stone Curb; Conc. Curb; Conc. Curb & Gutter; Conc. Curb with Conc. Gutter Behind
- Protective Devices: Type, Location and Number — 0.00
- Illumination: Type, Location and Number — Mercury Vapor
- Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)) — A; B; C; D; A; B; A; B; C; A
- Superelevation (Range)
- Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)) — C; D; B; A
- Vertical Curve: Crest or Sag, Curve Limits
- Area and Development: — Small Urban (99998)
- Terrain: 1–Flat, 2–Rolling, 3–Mountainous — Flat (1)
- Speed: 1–Design, 2–Posted — 20 MPH (2); 45 MPH (2); 30 MPH (2)
- Intersection Control Devices: Type, Location and Cycle Timing — Ph. = Phase — 3 Ph.; 3 Ph.; 3 Ph.; 3 Ph.; 4 Ph.; 4 Ph.; 4 Ph.; 4 Ph.; 3 Ph.; 3 Ph.; 3 Ph.; 4 Ph.; 3 Ph.
- Traffic Stations (Current Year) — B74 0032 00000; B74 0032 00024; B74 0032 00040; B74 0032 00061; B74 0032 00119; B74 0032 00135; B74 0032 00213; B74 0032 00220; B74 0032 00248; B74 0032 00260; B74 0032 00274
- HPMS Sections – AADT 2013 — 11,578; 16,850; 24,870; 24,000; 39,400; 28,300; 45,600; 53,200; 30,400; 28,076; 3,600
- HPMS Sections – AADT 2012 — 10,930; 18,173; 23,478; 23,393; 23,996; 22,188; 47,590; 42,871; 35,341; 27,208; 3,213
- HPMS Sections – AADT 2011 — 11,500; 12,816; 23,600; 22,600; 23,200; 21,400; 46,000; 41,400; 34,200; 26,300; 3,100
- DOD Sections
- Census Tracts
- Functional Classification — Principal Art. (Conn. Link) (3); Principal Arterial (3)
- National Highway System (NHS) — On NHS (1)
- Previous Projects: Project No., Date and Limits — STP–0900(34), 1998; HWY–M–04–97, 1998 (R); HWY–M–02–91M (R) 1992; 32A–01–89 (R) 1991; 32A–01–96, 1998); 32A–01–83M (R) 1983; 27+26.98; DF–032–1(4) 1958; (F–032–2), 1955); 100+75.81; 3+85.21; 2.50 11+00; F–032–1(1), 1957; DANCR 1945; 3+84.06; 38+60.33; (32A–01–89M (R) 1991); (DANC 8(1) 1944); County Phase II; WPGM13–H, 1936; WPGM13–I, 1936

Scale: 1" = 0.15 mile

Date Released
May 2001

Revised	
Nov. 06	D.B.
Dec. 06	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	E.P.J.
July 14	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: 0.39 miles
a. Survey Length: 0.39 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

*



SCALE
0 mi .1 mi .2 mi
.05 mi .15 mi .25 mi

SCALE: (In Miles) 20" = 1 mile

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

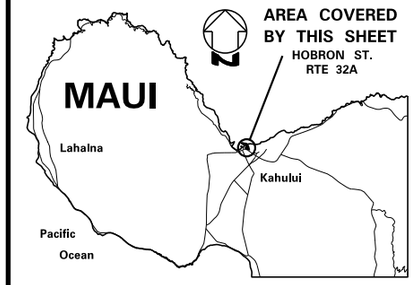
Maintenance Control Sections : Length and Description

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' | 0.27 | 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+28 | 0.03 STATE | 0.17 STATE PHASE II (c)13+60
- **Project No., Type of Construction, and Year Constructed:** HWY–M–01–05 (R) 2006 | 0.38 ← 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

BEGIN ROUTE 32A ON HOBRON AVENUE AT THE NORTHEAST EDGE OF PAVEMENT OF HANA HWY (RTE 36) 0.00 mi.

END DIVIDED 0.04 mi. | DRIVEWAY 0.06 mi. | DRIVEWAY 0.10 mi. | South approach 0.14 mi. | KAAHUMANU AVE (RTE 32) 0.16 mi. | North approach 0.18 mi. | AMALA PLACE 0.23 mi. | ALA LUNA ST. 0.38 mi.

HOBRON AVENUE (c)1+10

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '12 VIDEOLOG & '12 FEATURES DATABASE.
END ROUTE 32A ON HOBRON AVENUE AT THE GATE TO PIER #1, KAHULUI HARBOR
*0.39 MI

SCALE: (In Miles) 20" = 1 mile

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

Divided Highway – Undivided
- **Shoulder: Width and Type:** 6' AC | 0.37 ← 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

Divided Highway
- **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):** 0.18 1 – 11' | 0.23
- **(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:** 1 MH 0.15 | 1 MH 0.23
- **Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62):** C 0.03 | A | 0.23 C 0.27 | A 0.37 E
- **Superelevation (Range)**
- **Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45):** A
- **Vertical Curve: Crest or Sag, Curve Limits**
- **Area and Development:** Small Urban (99998)
- **Terrain: 1–Flat, 2–Rolling, 3–Mountainous:** FLAT (1) 0.23
- **Speed: 1–Design, 2–Posted:** 20 MPH (2) NOT POSTED | NOT POSTED 20 MPH (2)
- **Intersection Control Devices: Type, Location and Cycle Timing**
- **Traffic Stations (Current Year):** B74 032A 00000
- **HPMS Sections – AADT 2013:** 3,800
- **HPMS Sections – AADT 2012:** 4,418 | 0.39
- **HPMS Sections – AADT 2011:** 4,300
- **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.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.

ROAD INVENTORY
MAUI RTE 32B
WHARF STREET

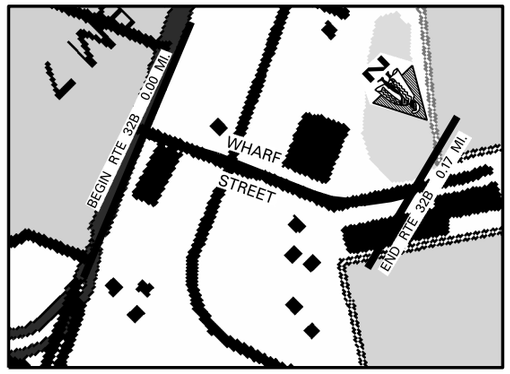
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

*

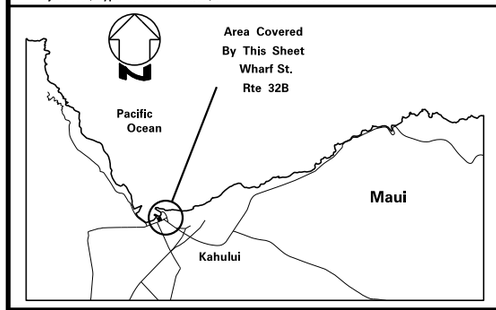


SCALE
0 mi .1 mi .2 mi
.05 mi .15 mi

SCALE: (In Miles) 20" = 1 mile

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

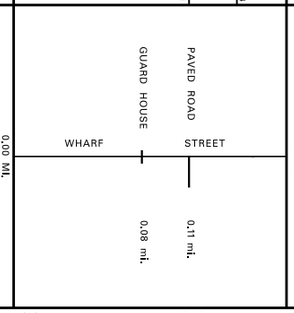
Maintenance Control Sections : Length and Description	32B (0.17 MI)	Begin and end 32B same as begin and end route 32B
Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed		
Structure Carrying Road — Vertical Clearance		
Structure Carrying Road — Horizontal Clearance		
Structure Crossed Road — Vertical Clearance		
Structure Crossed Road — 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 0.00 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) 0.11 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.



*0.17 MI.

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

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '12 VIDEOLOG & '12 FEATURES DATABASE.

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	0.00 2' AC 0.08 8' AC 0.09 0.14 10' AC 0.14 30'–50' AC	
Divided Highway — Undivided — Pavement: Width and Type	0.00 24' AC 0.04 26' AC 0.08 36' AC 0.09 42' AC 0.11 44' AC 0.11 34' AC 0.12 36' AC	
Divided Highway — Undivided — Shoulder: Width and Type	2' AC 0.04 4' AC 0.08 0 0.08 40'–50' 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	0.02 0.04 0.08 0.22 2–12' 1–12' 1–14' 2–18' 1–14' 1–16'	
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	1–14' 1–28' 1–30' 1–20' 12' TL 0.08 0.11	
(Right Side)		
Frontage Road: No. of Lanes, and Width (Right and Left)	0.04 0.07	
Sidewalk: Width and Type (Right and Left)	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 Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)	0.00 D 0.02 A 0.10 D 0.13 A	
Superelevation (Range)		
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)	A	
Vertical Curve: Crest or Sag, Curve Limits		
Area and Development:	SMALL URBAN (99998)	
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	FLAT (1)	
Speed: 1–Design, 2–Posted	20 MPH (2)	
Intersection Control Devices: Type, Location and Cycle Timing		
Traffic Stations (Current Year)	B74 032B 00000	
HPMS Sections – AADT 2013	680	
HPMS Sections – AADT 2012	904	0.17
HPMS Sections – AADT 2011	870	
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	

Date Released
Oct. 2004, G.N.

Revised	
Nov. 06	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
May 13	EPJ
Dec. 13	EPJ
July 14	D.B.

ROAD INVENTORY

MAUI RTE 36
HANA HIGHWAY

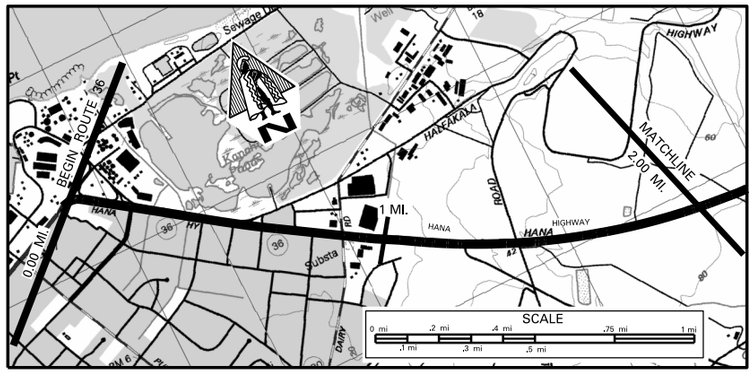
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

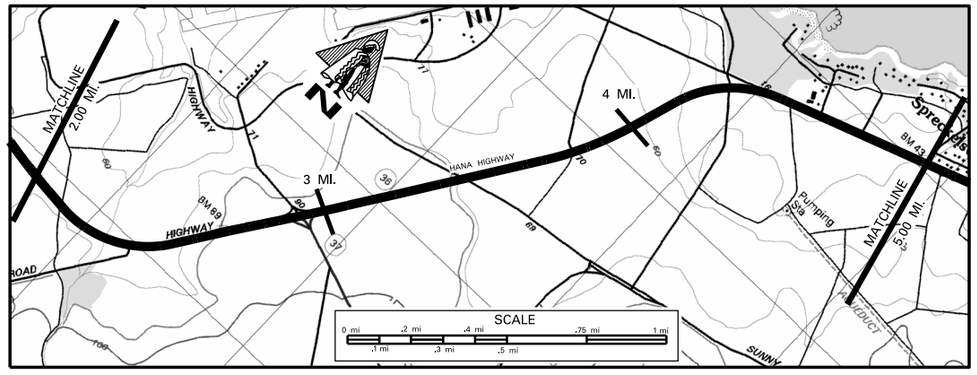
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 16.21 miles
a. Survey Length: 16.21 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 36A same as begin Route 36 — 36A (6.70 MI)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- TEE BEAM 1944 H20 53' 2.29
- PRESTRESSED CONCRETE GIRDER 1991 HS-20-44 105'

Vertical Clearance
Horizontal Clearance

Structure Over Road

Vertical Clearance
Horizontal Clearance

Right of Way Width (min.–max.) if varies: 100' – 168' 4.37 60'

Available Right of Way Width (Needs Study): URBAN/RESIDENTIAL AREA 1.00 1000' CLR – SUGAR CANE FIELD 20' FROM PAVEMENT

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

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

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

Project No., Type of Construction, and Year Constructed:
- NH-036-1-(17), PREV. MAINT., 2010
- HWY-M-02-08, IMPRV., 2010
- STP-0900(58), GUARDRAIL & SHOULDER IMPR,, 2004
- 36A-01-96M (R), 1999
- STP-036-1(12) Inter, Impr,, 2000
- 36A-01-96M (R), 1999
- NH-036-1(16), RESURFACE, 2010
- STP-0900(58), GUARDRAIL & SHOULDER IMPR, 2004
- 36AB-01-04M, RESURFACE, 2005

Project No., Type of Construction, and Year Constructed

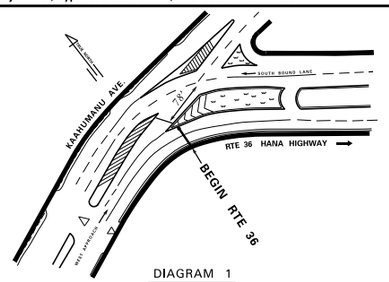


DIAGRAM 1

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.

0 MP — Hobron St (Rte 32A) 0.03 mi. — Kamehameha Ave 0.20 mi. — Road 0.28 mi. — Wakea Avenue 0.38 mi. — Road 0.43 mi. — Hanamaui Street 0.52 mi. — Spur 0.54 mi. — Haleakala Hwy (Rte 36A) 0.62 mi. — Koloa St. 0.72 mi. — Papa Place 0.79 mi. — Dairy Road (Rte 3800) 0.88 mi. — Road 0.97 mi. — ECB 0.98 mi. — 1.07 mi. 1 MP — H A N A — Pulehu Road 1.26 mi. — Road to Development 1.43 mi. — Conc. TC & Cane Haul Rd. Telem. Sta. 36016 1.72 mi. — 1.80 mi. — 2 MP — 2.01 mi. — 2.20 mi. — Kaialinui Br 2.29 mi. — Hansen Road 2.38 mi. — H W Y — 2.47 mi. — Culvert 2.65 mi. — ECB 2.82 mi. — Haleakala Hwy (Rte 37) 2.92 mi. — 3 MP — End Divided 3.11 mi. — Kala Rd. Culvert 3.40 mi. — 3.44 mi. — Cane Haul Rd 3.79 mi. — 4 MP — 4.02 mi. — Begin Divided 4.16 mi. — Road (R) Stable Rd. (L) 4.34 mi. — ECB 4.38 mi. — Alakapa Pl 4.65 mi. — End Divided 4.75 mi. — Begin Divided 4.85 mi. — Nonohe Pl 5.00 mi. — 5 MP

ROUTE CONTINUES ON SHEET # 2

SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided

Shoulder: Width and Type: 6' AC 0.86 — 10' AC 2.88 — 6' AC 3.22 — 4' AC
Pavement: Width and Type: 22' AC 0.81 — 24' AC — 36' AC 3.97 — 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'

Median

Median: Width and Type: 42' GRASS 0.92 0.99 — VARIES 16'–24' GRASS 1.29 — VARIES 20' – 24' GRASS 2.20 — 4' CONC. MEDIAN GUTTER — 0' — VARIES 10'–20' PAINTED AC 2.47 — 4' CONC. MEDIAN GUTTER 2.82 — VARIES 10'–14' GRASS — VARIES 12'–20' PAINTED AC 3.11 4.16 — 12' PAINTED AC 4.75 4.85 — 12' PAINTED AC

Undivided

Shoulder: Width and Type: 4' AC 0.97 — 0' — 6' AC — 0' — 6' AC — 0' — 0' — 0'
Pavement: Width and Type: 24' AC — 36' AC 2.78 — 24' AC 2.97 3.04 (TAPER 24'–12' AC) — 12' AC — 12' AC
Shoulder: Width and Type: 6' AC 0.81 0.86 — 10' AC 2.28 — 5' BIKE LANE 2.39 — 6' AC — 5' BIKE LANE 2.88 (8' – 10' AC) — 4' AC — 6'–8' AC

Number of Traffic Lanes: 2 – 11' — 2 – 12' — 2 – 12' — 3–12' — 2–12' 3.07 — 1–12' 3.37 — 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): 6' CONC. 0.22 0.26 — 4' – 6' CONCRETE GUTTER 2.89 — M/M 4.46 4.50 4.57 4.60

Curb and/or Gutter: Type (Right and Left): CONC. CURB 0.22 0.26 0.35

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

Illumination: Type, Location and Number: H P S

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62): E 0.05 — A

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45): A 0.22 — B 1.70 — A 2.46 — B 2.26 — A 3.26 — B 3.64 A 3.72 — B 4.53 A 4.88 B

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: SMALL URBAN (99998)

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

Speed: 1–Design, 2–Posted: 30 MPH (2) 0.27 — 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)

Intersection Control Devices: Type, Location and Cycle Timing: ALL 4 PHASE — 3 PHASE 0.19 0.30 0.42 — 2.92 3.00 4.91

Traffic Stations (Current Year):
- B74 0036 00000
- B74 0036 00019
- B74 0036 00061
- B74 0036 00087
- B74 0036 00292
- B74 0036 00321

HPMS Sections – AADT 2013:
- 26,371
- 35,698
- 26,600
- 33,700
- 11,700
- 18,000

HPMS Sections – AADT 2012:
- 24,895
- 33,700
- 25,903
- 33,500
- 18,875
- 17,600

HPMS Sections – AADT 2011:
- 25,000
- 34,496
- 33,133
- 36,312
- 18,200
- 17,300

DOD Sections

Census Tracts

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

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

Previous Projects: Project No., Date and Limits:
- 36A-01-96M (R), 1999
- STP-0900(58), GUARDRAIL & SHOULDER IMPR., 2004
- STP-0900(34) 1998
- AM-1061-12 (IMPROV), 1991
- HWY-M-01-96M AREA 3 1997
- 36A-02-87M (R) 1988
- 36A-01-82 Inter, Impr, 1983
- 36A-01-90M (R) 1991
- 36AB-01-04M, RESURFACE, 2005
- DANC 8(1) 1945
- HWY-M-01-76M (R) 1976
- DANC 8(1) 1943, 1945
- HWY-M-02-76M (R) 1976
- 147 + 44,30 NRS – 17A
- 1933

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.
Dec. 09 D.B.
Feb. 11 D.B.
Feb. 12 D.B.
Sept. 12 E.P.J.
May 13 E.P.J.
Dec. 13 E.P.J.
July 14 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

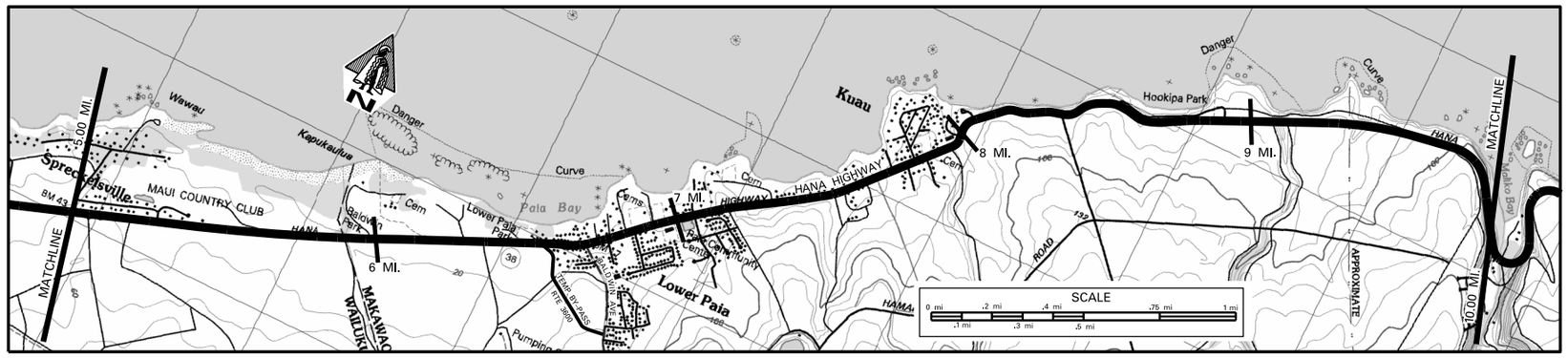
Total Route Length: 16.21 **miles**

a. Survey Length: 16.21 **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

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)

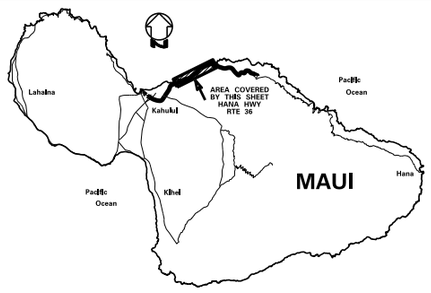
STATE

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 | 36BC–01–10M, PREV. MAINT., 2011

Project No., Type of Construction, and Year Constructed

36AB–01–04M, RESURFACE, 2005 | 36AB–01–90M RESURFACE 1991 | STP–036–1(8) RESURFACE 1998



Road Diagram

* MP = Milepost Signage

ROUTE CONTINUED FROM SHEET # 1 — 5.00 mi.

END DIVIDED | ULUPUA PLACE | BEGIN DIVIDED CULVERT | ALAWAI RD | END DIVIDED | Tehem. Sta. 36B | PAVED ROAD (PUNA ROAD) | ACCESS TO PAIA MINI-BYPASS RD. (RTE 3600) | AE LANE | BALDWIN AVE | NALU PL. | LOIO PLACE | HOMELANI PLACE | LUNA PLACE | KUPONO STREET | HOKU PL. | BEGIN DIVIDED | HOLO PLACE (L) | LAE STREET (R) | END DIVIDED | KUAU BEACH PL. | PAVED ROAD | H A N A | KAULUA PLACE | KAULANI PLACE | WAA PLACE | ULUMAIKA PLACE | KAIMAU STREET | MEHA PLACE | KAIAE LANE | KAHOLO ROAD | ROAD TO MAMA'S FISH HOUSE | HOLOMUA AVENUE | WEST EXIT FROM HOOKIPA PARK | Tehem. Sta. 36087 | END DIVIDED | EAST ENTRANCE TO HOOKIPA PARK | BEGIN DIVIDED | H I G H W A Y | PAVED ROAD | PAVED ROAD | PAVED ROAD | ECB | PAVED ROAD | ROAD TO HAMAKUAPOKO | ROAD

5.11 mi. 5.28 mi. 5.90 mi. 5.91 mi. 5.98 mi. 6.03 mi. 6.30 mi. 6.47 mi. 6.54 mi. 6.61 mi. 6.68 mi. 6.69 mi. 6.76 mi. 6.83 mi. 6.86 mi. 6.97 mi. 7.03 mi. 7.06 mi. 7.09 mi. 7.15 mi. 7.26 mi. 7.32 mi. 7.568 mi. 7.587 mi. 7.70 mi. 7.784 mi. 7.793 mi. 7.93 mi. 8.01 mi. 7.999 mi. 8.06 mi. 8.35 mi. 8.55 mi. 8.72 mi. 8.81 mi. 8.91 mi. 8.97 mi. 9.01 mi. 9.12 mi. 9.32 mi. 9.51 mi. 9.53 mi. 9.71 mi. 9.92 mi.

ROUTE 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

4' AC | 20' Grass | 0' (24' AC) | 6'–2' AC | 6' GRASS | 4' AC | 6' GRASS | 6' AC

Pavement: Width and Type

12' AC | 6'–8' AC | 24' AC | 12' AC | 24' AC | 2' AC | 22' AC | 33' AC | 24' AC | 11' AC | 22' AC | 12' AC | 24' AC

Shoulder: Width and Type

0' | 4' AC | 0' | 4' AC | 4' GRS | (22' AC) | 4' AC | 0' | 6' GRASS | 4' AC | 6' GRASS | 6' AC | 10' GRASS | 0 | 5' – 6' AC

Divided Highway

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' | 1–11' | 1–15' | 2–11' | 2–12' | 2 – 11' | 2 – 12'

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

(1–11' (L) TL)

(Right Side)

(11' 2–WAY (L) TL) | 1–14' (R) TL | (TO PAIA MINI BY–PASS) | (11' 2–WAY (L) TL) | (1–12' (R) TL)

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

Sidewalk: Width and Type (Right and Left)

6' CONC. CURB | CONC. CURB | 6' CONC. GUTTER

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

Protective Devices: Type, Location and Number METAL ON METAL

Illumination: Type, Location and Number

MV

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

A | B | A | B | A | D | A | D | C | A | C | D | C | A | C | A

Shoulder Lanes

(OPEN 4–6 PM, EXC, SAT, SUN, HOL.: NO TRUCKS OR BUSES) | 1–14' SHOULDER LANE

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

(B) A | B | A | B | B | A | B | A | B | C | B

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

SMALL URBAN (99998)

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

FLAT (1) | ROLLING (2) | MOUNTAINOUS (3)

Speed: 1–Design, 2–Posted

35 MPH (2) | 45 MPH (2) | 35 MPH (2) | 20 MPH (2) | 30 MPH (2) | 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

3 PHASE

Traffic Stations (Current Year)

B74 0036 00321 | B74 0036 00654 | B74 0036 00893 | B74 0036 00971

HPMS Sections – AADT 2013

18,000 | 12,800 | 11,000 | 11,485

HPMS Sections – AADT 2012

17,600 | 12,400 | 12,249 | 11,035

HPMS Sections – AADT 2011

17,300 | 15,759 | 11,900 | 11,443

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 | 36B–02–02, SHLDR, LN., 2005 | 36AB–01–90M RESURFACE 1991 | (36AB–01–95M, 1996 (R)) | 36AB–01–90M (RESURF) 1991 | 36BC – 01 – 82M (RESURF) 1982 | STP–036–1(7) 1997

36AB–01–75 (RESURF) 1975 | 36B–02–79 (IMPROV) 1979 | WDRC 14(1) 1948 | F–036–1(1) REVAMP 1961

NRS – 17A 1933 | JOB # 5213 | F–036–1(1) 1959

SCALE: (In Miles) 4" = 1 mile

5 6 7 8 9 10

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.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 12	E.P.J.
July 14	D.B.

ROAD INVENTORY

MAUI RTE 36
HANA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
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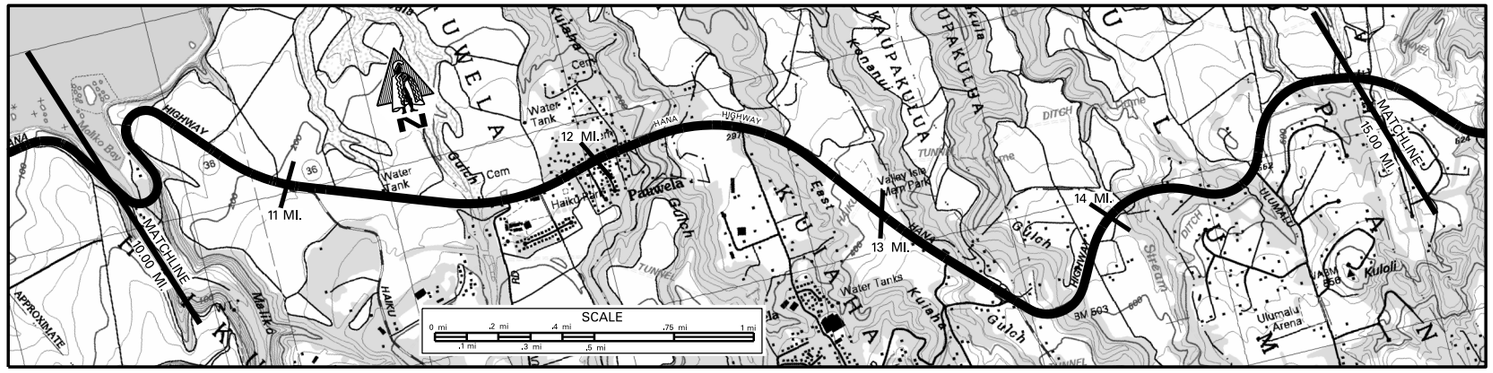
Total Route Length: 16.21 miles

a. Survey Length: 16.21 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 | 36C (5.21 MI)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- 10.03: TEE BEAM, 1961, 205' HS20
- 13.03: PRESTRESSED CONCRETE GIRDER, HL-93, 2003, 225'

Vertical Clearance
- 10.03: 28'
- 13.03: 34'

Structure Over Road

Horizontal Clearance

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.-max.) if varies
- 10.46: 80' – 200'
- 13.02: 80' – 135'

Available Right of Way Width (Needs Study)
- 10.46 – 10.70: CUT SLOPES
- 10.70 – 10.90: CLR 1000' PINEAPPLE 20' FROM PAVEMENT
- 10.90 – 11.70: TREES AND BUSHES
- 11.70 – 12.18: RES. AREA
- 12.18 – 12.86: TREES
- 12.86 – 13.10: CLR 1000' PINE 15' FROM PVMT
- 13.02 – 13.84: CUT SLOPES WITH PASTURES AND FARMS

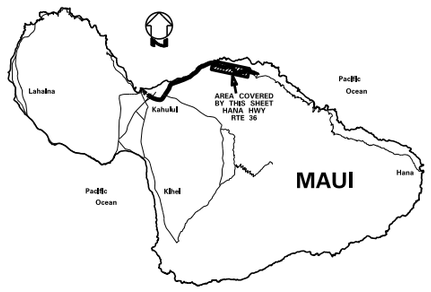
Right of Way Fence: Type – Right and Left: NONE

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: 36BC–01–10M, PREV. MAINT., 2011

Project No., Type of Construction, and Year Constructed
- STP – 036 – 1(8) RESURFACE 1998
- STP – 0900 (39), 1996 RESURFACE
- (BR-036-1(15), 2003 BRIDGE REPLACEMENT)
- STP – 0900 (39), 1996 RESURFACE



Road Diagram

* MP = Milepost Signage

ROUTE CONTINUED FROM SHEET # 2 — 10.00 mi.

ROUTE CONTINUE ON SHEET #4 — 15.00 mi.

ROAD
- MALIKO BRIDGE
- HAKU ROAD
- (L) PILALOHA ST. (R) GATED ACCESS TO HAMAKUAPOKO CMTY. DIRT ROAD (L) ROAD TO CEMETERY
- AHONUI PLACE
- AKAHAI PLACE
- KAHAPO PLACE
- PUUKOA PLACE
- WAKINA LOOP (R) DRIVEWAY (L)
- WAKINA LOOP
- NAHELE ROAD
- W. KUIAHA RD. (R) NAHELE RD. (L)
- VALLEY ISLE MEMORIAL PARK
- E. KUIAHA ROAD DRIVEWAY (L)
- (R) HAHANA RD. (L)
- KAUPAKULUA BRIDGE
- HOHANI PLACE O'ILI ROAD
- ULUMALU ROAD
- KAI HUKI ST.

HANA HIGHWAY

ECB

Shoulder: Width and Type
- 10.00–10.57: 6' AC
- 13.52–13.84: 4' – 6' AC
- 13.84–15.00: 10' AC, 4' – 6' AC

Undivided

Pavement: Width and Type
- 10.00–10.57: 24' AC
- 10.57–13.52: 22' AC
- 13.52–13.84: 24' AC
- 13.84–15.00: 22' AC

Shoulder: Width and Type
- 10.00–10.57: 5' – 6' AC
- 13.52–13.84: 4' – 6' AC
- 13.84–15.00: 10' AC, 4' – 6' AC

Divided Highway

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes
- 10.00–10.57: 2 – 12'
- 10.57–13.52: 2 – 11'
- 13.52–13.84: 2 – 12'
- 13.84–15.00: 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): NONE

Sidewalk: Width and Type (Right and Left): NONE

Curb and/or Gutter: Type (Right and Left)
- 4' CONC. GUTTER
- 3' CONC. GUTTER
- 3' AC
- (2' CONC. GUTTER)
- (4' CONC. GUTTER)
- 6' CONC. SWALE
- M/M

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: SMALL URBAN (99998)

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

Speed: 1–Design, 2–Posted
- 35 MPH (2)
- 45 MPH (2)
- 30 MPH (2)
- 45 MPH (2)
- 30 MPH (2)
- 45 MPH (2)
- 30 MPH (2)
- 35 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 2013
- (11,485)
- 8,300
- 8,700
- 10,184
- 7,504
- 6,861
- 3,800

HPMS Sections – AADT 2012
- (11,035)
- 12,148
- 8,233
- 9,614
- 7,084
- 6,477
- 3,715

HPMS Sections – AADT 2011
- (11,443)
- 11,700
- 7,900
- 9,826
- 7,156
- 6,622
- 3,600

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
- STP – 0900 (39), 1996 RESURFACE
- 36BC–01–82M 1982 RESURFACE
- 0.34
- 36C–01–87M 1987 RESURFACE
- F–036–1(1) 1961 REVAMP
- F – 32 (2) 1957
- F–036–1(1) 1959
- 2 + 58,86
- F – 32 (3) 1951, 1953
- 164 + 34,19
- 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.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.

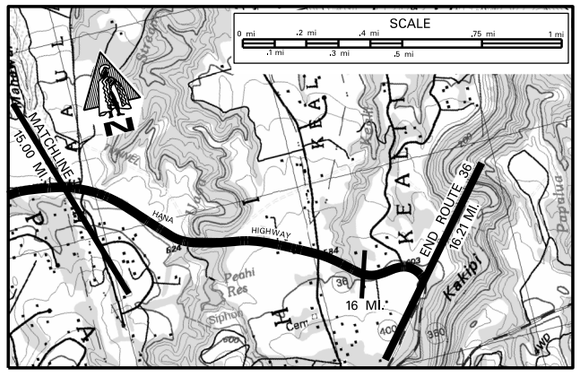
ROAD INVENTORY
MAUI RTE 36
HANA HIGHWAY

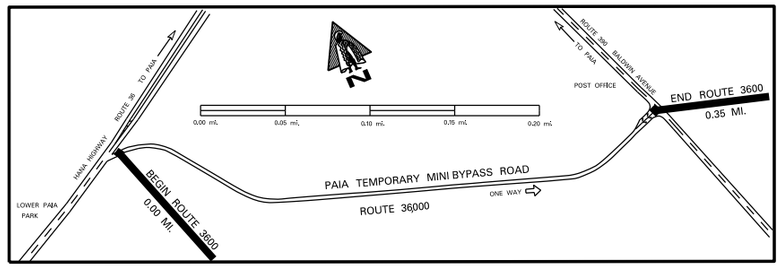
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

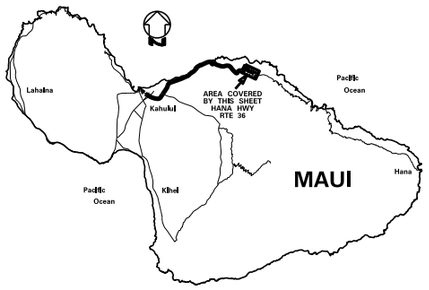
Total Route Length: 16.21 miles
a. Survey Length: 16.21 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*





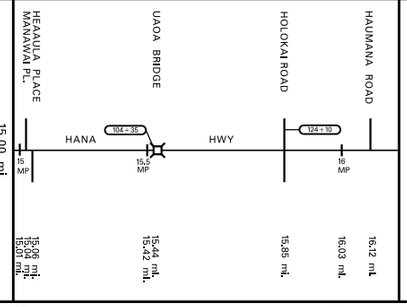
SCALE: (In Miles) 4" = 1 mile

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	15.46 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		COUNTY
Project No., Type of Construction, and Year Constructed		36BC-01-10M, PREV. MAINT., 2011		
Project No., Type of Construction, and Year Constructed		STP-0900(39), 1996 RESURFACE 15.36 — 15.50 (BR-036-1(14), 2002 Bridge Replacement) STP-0900(39), 1996 RESURFACE	7+00	



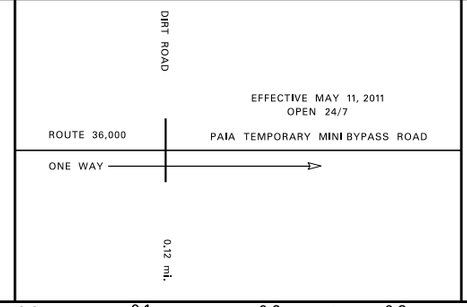
Road Diagram
* MP = Milepost Signage

ROUTE CONTINUED FROM SHEET #3 — 15.00 mi.



* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '12 VIDEOLOG & '12 FEATURES DATABASE.
END ROUTE 36 ON HANA HIGHWAY AT THE CENTERLINE INTERSECTION WITH KAUPAKALUA ROAD. SAME AS BEGINNING OF ROUTE 360.
*16.21 mi.

0.00 MI. BEGIN ROUTE 36,000 ON PAIA TEMPORARY BYPASS ROAD AT GATED ENTRANCE FROM HANA HIGHWAY.



END ROUTE 36,000 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		2' AC
	Pavement: Width and Type	22' AC 15.36 — 24' AC 15.61 — 22' AC	NOTE: PAVEMENT WIDTHS INCLUDE TURNING LANES FROM 0.33 MI. TO 0.35 MI.	12' AC 0.33 — 24' AC
	Shoulder: Width and Type	4' – 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 – 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		0.33
(Right Side)		NONE		
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) 15.09 15.20 15.25 15.50 15.63 15.67 15.69 15.86 15.89 16.3		
Protective Devices: Type, Location and Number		15.10 15.16 15.43 15.57 15.97 15.99		
Illumination: Type, Location and Number				
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)		A 15.36 — B 15.47 — A — C 15.86 — D		E 0.05 — A 0.07 — D 0.12 — A — 0.27 — E
Superelevation (Range)				
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)		B 15.62 — C		C
Vertical Curve: Crest or Sag, Curve Limits				
Area and Development:		SMALL URBAN (99998)		RURAL (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous		ROLLING (2)		FLAT (1)
Speed: 1–Design, 2–Posted		35 MPH (2) 16.07 (NOT POSTED) (35 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 2013		3,800		
HPMS Sections – AADT 2012		3,715 16.21		
HPMS Sections – AADT 2011		3,600		
DOD Sections				
Census Tracts				
Functional Classification		MINOR ARTERIAL (4)		PRIVATE (26)
National Highway System (NHS)		NOT ON NHS (0)		NOT NHS (0)
Previous Projects: Project No., Date and Limits		STP-0900(39), 1996 RESURFACE		
		36C-01-87M 1987 RESURFACE 15.09		
		F-32(2) 1957 16.01		
		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.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.

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

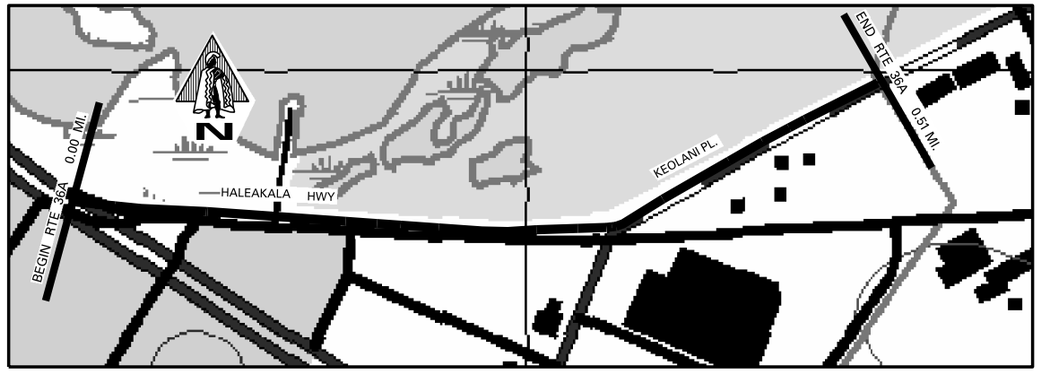
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

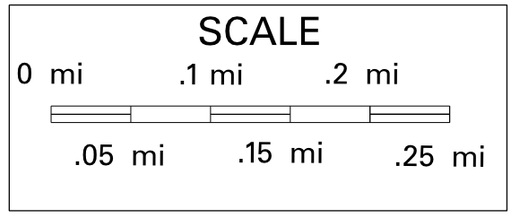
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

*





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
- Vertical Clearance
- Horizontal Clearance

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies
0.32: 60'

Available Right of Way Width (Needs Study)
BUSHES | COMMERCIAL AREA

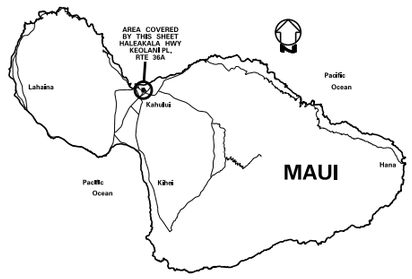
Right of Way Fence: Type – Right and Left
NONE

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C)
10+95 | 13+05

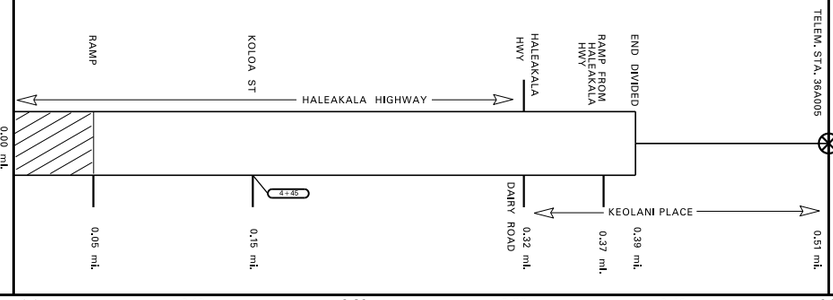
Project No., Type of Construction, and Year Constructed
0.05: HWY–M–01–05M, RESURF., 2006 | 0.30

Project No., Type of Construction, and Year Constructed
COUNTY | 0.04 | HWY–M–01–91M 1992 (RESURFACE) | 0.34 | HWY–M–01–76M 1976



Road Diagram
* MP = MIlepost SIgnage

BEGIN ROUTE 36A ON HALEAKALA HIGHWAY ON THE NORTHEAST EDGE OF PAVEMENT OF HANA HIGHWAY (RTE 36) 0.00 mi.



* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '12 VIDEOLOG & '12 FEATURES DATABASE.

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 | 0.48 | 25' GRAVEL
- Pavement: Width and Type: 12' BP | 12' AC | 0.38 | 10' AC | 30' AC
- Shoulder: Width and Type: 0' | 10' GRASS

Divided
- Median: Width and Type: 6–32' GRASS W/CONC. CURB | 0.05 | 0' – 12' PAINTED AC
- Shoulder: Width and Type: 0'
- Pavement: Width and Type: 12' BP | 0.05 | 12' AC | 0.32 | 20' AC
- 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)
0.15 | 0.18 | 0.20 | 0.32 | 0.35

(Right Side)
0.08 | 0.16 | 1–10'

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

Sidewalk: Width and Type (Right and Left)
0.17 | 6' Concrete Sidewalk | 0.49

Curb and/or Gutter: Type (Right and Left)
0.06 | Conc. Curb | 0.07 | Concrete Curb and Gutter | 0.49

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)
A | 0.18 | B | 0.20 | A | 0.31 | E | 0.33 | A

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
SMALL URBAN (99998)

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

Speed: 1–Design, 2–Posted
30 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)
B74 036A 00000 | B74 036A 00032

HPMS Sections – AADT 2013
7,666 | 14,500

HPMS Sections – AADT 2012
7,430 | 13,654

HPMS Sections – AADT 2011
7,100 | 0.32 | 13,200 | 0.51

DOD Sections

Census Tracts

Functional Classification
MINOR ARTERIAL (4)

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

Previous Projects: Project No., Date and Limits

0.32: 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
Feb. 12	D.B
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	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

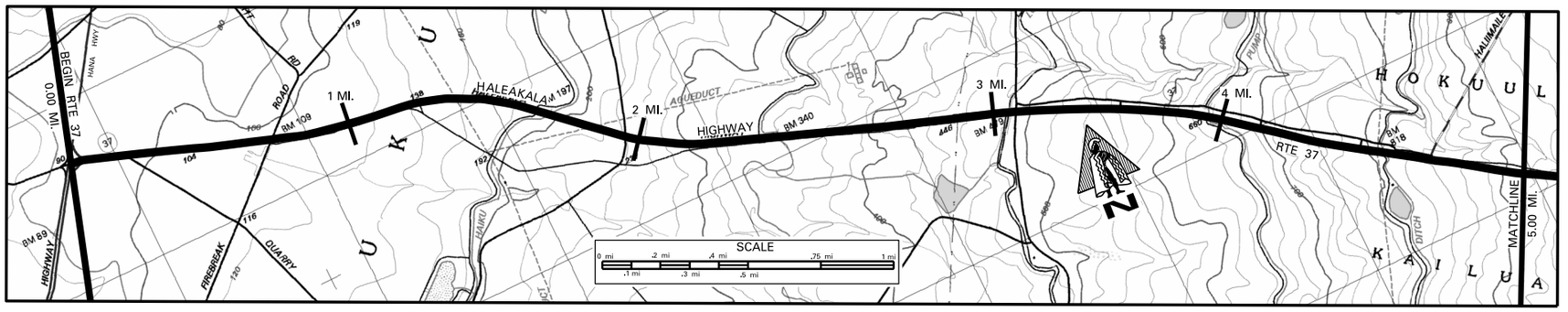
Total Route Length: 21.35 miles

a. Survey Length: 21.35 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 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 Halimaile 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' | 60' | 120' – 140' | 140' – 200'

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

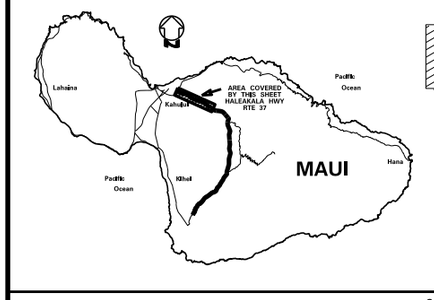
Right of Way Fence: Type – Right and Left
NONE

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

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

Project No., Type of Construction, and Year Constructed
NH–037–1(24), WIDENING, 2009

Project No., Type of Construction, and Year Constructed
HWY–M–01–06M, RESURFACING, 2007 | 37D–01–90 (TRUCK CLIMBING LANE) 1991 | 37C–02–90, 1993 NEW ALIGN,



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 HWY TO HANA | BLOCKED QUARRY ROAD | NORTH FIRE BREAK RD & T.C. TELEM. STA. 37006 | ECB | PAVED RD | CULVERT | ROAD | CULVERT | PAVED ROAD | ROAD | KEAHOA RD. LOWRIE BRIDGE ECB | 500' ELEV. SIGN | EMERGENCY ESCAPE RAMP | ROAD | PAVED RD | ROAD | PAVED RD CONC BRIDGE | HALIMAILE ROAD | ECB

HALEAKALA HIGHWAY

0 MP | 1 MP | 2 MP | 3 MP | 4 MP

0.04 mi. | 0.06 mi. | 0.14 mi. | 0.86 mi. | 0.91 mi. | 131 + 20

RAMP FROM HANA HWY 0.01 mi. | 0.19 mi. | 0.61 mi. | 0.70 mi. | 0.96 mi. | 1.22 mi. | 1.53 mi. | 1.68 mi. | 1.94 mi. | 1.98 mi. | 2.40 mi. | 2.46 mi. | 2.98 mi. | 3.07 mi. | 3.21 mi. | 3.29 mi. | 3.27 mi. | 3.37 mi. | 3.64 mi. | 3.82 mi. | 4.07 mi. | 4.14 mi. | 4.48 mi. | 4.60 mi. | 4.57 mi. | 4.73 mi. | 4.99 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
6' AC – 4' GRASS

Pavement: Width and Type
12'×2 AC (0.05) | 24' AC

Shoulder: Width and Type
0' | 0.14 | 4' AC

Divided Highway — Median

Median: Width and Type
4'–22' PAINTED AC | 16'–28' GRASS | 16' GRASS FLUSH (0.70 | 0.86 | 0.91) (0–16' PAINTED AC) | 12'–24' GRASS | Guardrail 1.43 | 1.73 | Guardrail 2.41 | 2.52 | Guardrail 3.21 | 3.29 | Guardrail 4.47 | 4.63

Shoulder: Width and Type
0' | 4' AC | 8' AC

Pavement: Width and Type
12'×2 AC (0.05) | 24' AC | 24' PCC

Shoulder: Width and Type
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 (0.14 | 0.19 | 0.28) (1–12' (L) TL) | 12' (0.70 | 0.85 | 0.91 | 1.14 | 1.23 | 1.30 | 1.56 | 1.63 | 1.86 | 1.94 | 2.02 | 2.40 | 2.62 | 2.99 | 3.07 | 3.25 | 3.75 | 3.82 | 4.08 | 4.14 | 4.23 | 4.69 | 4.73 | 4.88 | 4.89)

(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
Conc. Barrier (0.49 | 0.69) | (1.43 | 1.70 | 1.74) | (2.44 | 2.49 | 2.57) | (3.21 | 3.28 | 3.34 | 3.36 | 3.51) | (4.53 | 4.60 | 4.88)

Illumination: Type, Location and Number

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

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)
B (0.27 | 0.35) | A (0.49 | 0.84) | B (1.47) | C (3.46) | D (4.51) | C

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 (99998)

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

Speed: 1–Design, 2–Posted
35 MPH (1) (0.28) | 55 MPH (1) (0.64) | 45 MPH (1) (0.91) | 55 MPH (1) (2.61) | 45 MPH (1) (3.07) | 55 MPH (1) (3.86) | 45 MPH (1) (4.58) | 45 MPH (1)

Intersection Control Devices: Type, Location and Cycle Timing
(0.14) | 3 PHASE (0.70 | 1.01) | (3.07 | 3.86) | (4.58)

Traffic Stations (Current Year)
B74 0037 00000 | B74 0037 00091 | B74 0037 00476

HPMS Sections – AADT 2013
29,200 | 23,900 | 26,800

HPMS Sections – AADT 2012
28,800 (0.91) | 29,317 | 26,500

HPMS Sections – AADT 2011
28,200 | 28,300 | 12,300 (4.76)

DOD Sections

Census Tracts
DOD 710

Functional Classification
PRINCIPAL ARTERIAL (3)

National Highway System (NHS)
ON NHS (1)

Previous Projects: Project No., Date and Limits
0.04 NH–037–1(22), 2004, HALEAKALA HWY WIDENING 0.91
36A–01–82 1983 (INTER IMPROV) 0.05 | 37D–01–90 (TRUCK CLIMBING LANE) 1991 4.76
0.10 37CD–01–80M 1980 (RESURFACE) 0.68
FAP E–6E 1933 0.65
0.08 FAP E–5E 1932 0.70 | F–037–1(7) 1972 4.84

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., 08 D.B.
May, 10 D.B.
Feb. 11 D.B.
Feb. 12 D.B.
Feb. 13 E.P.J.
Dec. 13 E.P.J.
July 14 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: 21.35 miles
a. Survey Length: 21.35 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 — 37C (9.25 MI)

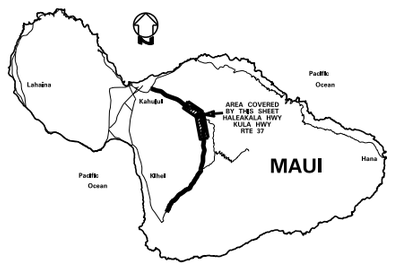
Structure Carrying Road

- Bridges (Over 20'): Length, Type, Capacity and Year Constructed — CULVERT (2–10') 1964 HS–20 40' (7.91); PRESTRESSED BEAM 1964 HS–20 324' (8.17–9.40)
- 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' (5.10–7.91); 90' – 270' (7.91–9.86)
- Available Right of Way Width (Needs Study) — PASTURE AND RANCH LANDS
- Right of Way Fence: Type – Right and Left — ALL WIRE ON WOOD (8.56–9.86)
- Control of Access: 1–None, 2–Partial, 3–Full — NONE (5.10–7.91); STATE (7.91–9.86)
- Jurisdiction, Transfer Phase No. and Date (C to S or S to C) — (HWY–M–01–06M, RESURF., 2007) (5.56); (HWY–M–01–06M, RESURF., 2007) (8.08)
- Project No., Type of Construction, and Year Constructed — NH–037–1(24), 2009, WIDENING (5.10–5.56); 37C–01–13M, RESURFACE, 2014 (6.02–7.91); 37CD–01–02M, REPAIR & MAINT., 2004 (8.08–9.40)
- Project No., Type of Construction, and Year Constructed — 37C–02–90, 1993, NEW ALIGNMENT (5.32–5.56); 37C–01–92 1993 NEW ALIGNMENT (PHASE II) (5.56–7.91); STP–037–1(18) RESURFACE 1994 (7.91–9.40); STP–037–1(21) RESURFACE 1999 (9.40–9.86)



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET # 1 (5.00 mi.)

TELEM STA. 37052 ROAD (5.02 mi.) — END DIVIDED (5.13 mi.) — ON RAMP FROM OLD HALEAKALA HWY & BEGIN DIVIDED OFF RAMP TO OLD HALEAKALA HWY (5.24 mi.) — END DIVIDED (5.40 mi.) — PAVED ROAD & T.C. (5.49 mi.) — HALEAKALA HIGHWAY — BEGIN DIVIDED ROAD (5.63 mi.) — MAKAWAO AVE (RTE 365) (5.86 mi.) — END DIVIDED Road to WATER TANK (6.06 mi.) — BEGIN DIVIDED PAVED ROAD & T.C. OR XING & END DIVIDED (6.03 mi.) — MAKAWAO AVE (RTE 365) (6.51 mi.) — T.C. BEGIN DIVIDED (6.56 mi.) — MAKAWAO AVE (RTE 365) (6.71 mi.) — HALEAKALA HWY (RTE 377) (6.84 mi.) — END DIVIDED (6.89 mi.) — MAKA'ENA PL (7.06 mi.) — KING KEKAULIKE HIGH SCHOOL (7.21 mi.) — ECB (7.42 mi.) — A'APUEO PKWY HAAKAKAI BRIDGE (7.46 mi.) — OHANA STREET END DIVIDED (7.56 mi.) — HALEAKALA HWY (RTE 377) (7.74 mi.) — LOWER KULA DR.(R) HOOPALUA DR.(L) (7.86 mi.) — NOHOLOA STREET (8.09 mi.) — OLD LOWER KULA ROAD (8.25 mi.) — ECB (8.37 mi.) — PAVED ROAD (8.40 mi.) — KAILALINUI BRIDGE (8.65 mi.) — DRIVEWAYS (8.92 mi.) — DRIVEWAYS (9.04 mi.) — DRIVEWAYS (9.15 mi.) — DRIVEWAYS (9.25 mi.) — DRIVEWAYS (9.38 mi.) — DRIVEWAYS (9.54 mi.) — DRIVEWAYS (9.83 mi.)

CONTINUES ON SHEET #3 (10.00 mi.)

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

- Shoulder: Width and Type — 10' AC (5.02–5.24); 10' AC (5.24–5.40); 10' AC (5.40–5.63); 10' AC (5.63–6.06); 10' AC (6.06–6.51); 10' AC (6.51–6.56); 10' AC (6.56–6.71); 10' AC (6.71–7.21); 10' AC (7.21–7.46); 10' AC (7.46–7.56); 10' AC (7.56–7.74); 6' AC (7.74–9.83)
- Pavement: Width and Type — 24' AC (5.02–5.24); 48' AC (5.24–5.40); 12' AC (5.40–5.63); 36' AC (5.63–6.06); 12' AC (6.06–6.51); 3½' AC (6.51–6.56); 12' AC (6.56–6.71); 3½' AC (6.71–7.21); 2' AC (7.21–7.46); 12' AC (7.46–9.83)
- Shoulder: Width and Type — 4' AC (5.02–5.24); 0' (5.24–5.40); 6'–10' AC (5.40–5.63); 0' (5.63–6.06); 10' AC (6.06–6.51); 0' (6.51–6.56); 10' AC (6.56–6.71); 0' (6.71–7.21); 10' AC (7.21–7.46); 0' (7.46–7.56); 10' AC (7.56–7.74); 6' AC (7.74–9.83)

Divided Highway — Divided

- Median: Width and Type — 12'–24' GRASS (5.02–5.16); 24'–0' PAINT AC (5.16–5.40); 8' PAINT AC (5.40–5.63); MILLED CENTERLINE RUMBLE STRIP (6.02–6.51); 12' PAINT AC (6.51–6.92); 12' PAINT AC (6.99–7.46); 12' PAINT AC (7.56–8.37)
- Shoulder: Width and Type — 8' AC (5.02–5.24); 0' (5.24–5.40); 0' (5.40–6.06); 0' (6.06–6.51); 0' (6.51–6.99); 0' (6.99–7.46); 0' (7.46–7.56); 0' (7.56–8.37)
- Pavement: Width and Type — 24' PCC (5.02–5.32); 24' AC (5.32–6.06); 24' AC (6.06–6.51); 24' AC (6.51–6.99); 24' AC (6.99–7.46); 12' AC (7.46–8.37)
- Shoulder: Width and Type — 6' AC (5.02–5.16); 6'–10' AC (5.16–5.40); 10' AC (5.40–6.06); 10' AC (6.06–6.51); 10' AC (6.51–6.99); 10' AC (6.99–7.46); 10' AC (7.46–7.56); 6' AC (7.56–8.37)

- Number of Traffic Lanes — 4–12' (5.02–6.06); 1 – 12' 1–12' AND 1–12' TRUCK CLIMBING LANE (6.06–7.46); 2 – 12' (7.46–9.83)
- Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — 12' (6.71); 12' (6.82); 12' (7.21); 12' (7.33); 12' (7.65); 12' (7.86)
- (Right Side) — 12' (6.58); 12' (6.87); 12' (6.93); 12' (7.12); 12' (7.29); 12' (7.74)
- 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
- Illumination: Type, Location and Number
- Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)) — A (5.64–7.91); B (8.80–8.98); A (8.98–9.86)
- Superelevation (Range)
- Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)) — (C) D E C E D C D C D C D E B
- ~~Vertical Curve: Crest or Sag, Curve Limits~~ CONTRA FLOW LANES — CONTRA FLOW 5:30 – 8:30 AM ← TRAFFIC
- Area and Development: — SMALL URBAN (99998); RURAL (99999)
- Terrain: 1–Flat, 2–Rolling, 3–Mountainous — FLAT (1); ROLLING (2)
- Speed: 1–Design, 2–Posted — 45 MPH (2); 35 MPH (2); 35 MPH (1); 45 MPH (2)
- Intersection Control Devices: Type, Location and Cycle Timing — 3 PHASE
- Traffic Stations (Current Year) — B74 0037 00476 (5.02–5.64); B74 0037 00564 (5.64–7.91); B74 0037 00747 (7.91–8.27); B74 0037 00776 (8.27–9.40); B74 0037 00940 (9.40–9.86)
- HPMS Sections – AADT 2013 — 26,800; 13,100; 14,081; 13,400; 8,600
- HPMS Sections – AADT 2012 — 26,500; 12,751; 13,293; 12,650; 12,048
- HPMS Sections – AADT 2011 — 12,300; 13,457; 11,900; 12,923; 11,500
- DOD Sections — DOD 705 (7.15–7.52); DOD 700 (7.76–9.40)
- Census Tracts
- Functional Classification — PRINCIPAL ARTERIAL (3); MINOR ARTERIAL (4) (9.40–9.86)
- National Highway System (NHS) — ON NHS (1); NOT ON NHS (0) (9.38–9.86)
- Previous Projects: Project No., Date and Limits — (STP–037–1(23), INTERSECTION IMPR., 2007) (6.50–6.96); 37C–02–90, 1993, NEW ALIGNMENT (5.66); 37C–01–92 1993 NEW ALIGNMENT (PHASE II) (5.66–7.91); 37C–02–90 1993 (NEW ALIGNMENT) (6.70); (6.73–6.85 — 37C–01–97, 1998); 37C–02–82 INTER. IMPROV. (7.80–9.04); 37CD–01–02M, REPAIR & MAINT., 2004 (8.80–9.40); STP–037–1(19) 1996 (6" SHLDR & GUARD RAILS) (9.04–9.38); 37C–01–81M 1981 (RESURFACE) (6.65–7.54); 37C–01–88M 1988 RESURFACE (9.38–9.86); (37C–01–91 1992 RIGHT TURN LANE) — 6.43 (6.54); 7.57; 37CD–01–86M 1980 RESURFACE (9.05); WDRC 14(1) 1948; 7.15; FAP 58 1929 7.43 (7.60 — RF–037–1(14) 1970); BF–037–1(1) 1962

SCALE: (In Miles) 4" = 1 mile

Date Released
Oct 2004 GN
Revised
Nov., 06 D.B.
Feb., 08 D.B.
Jan., 10 D.B.
Feb. 11 D.B.
Feb. 12 D.B.
Sept. 12 E.P.J.
Dec. 13 E.P.J.
July 14 D.B.

ROAD INVENTORY

MAUI RTE 37
HALEAKALA HWY. & KULA HWY.

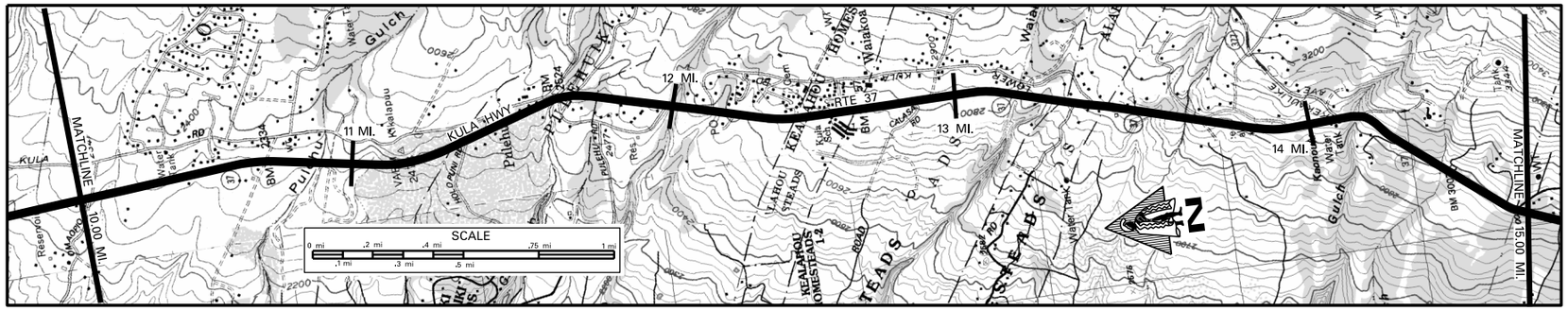
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 21.35 miles
a. Survey Length: 21.35 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

*



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

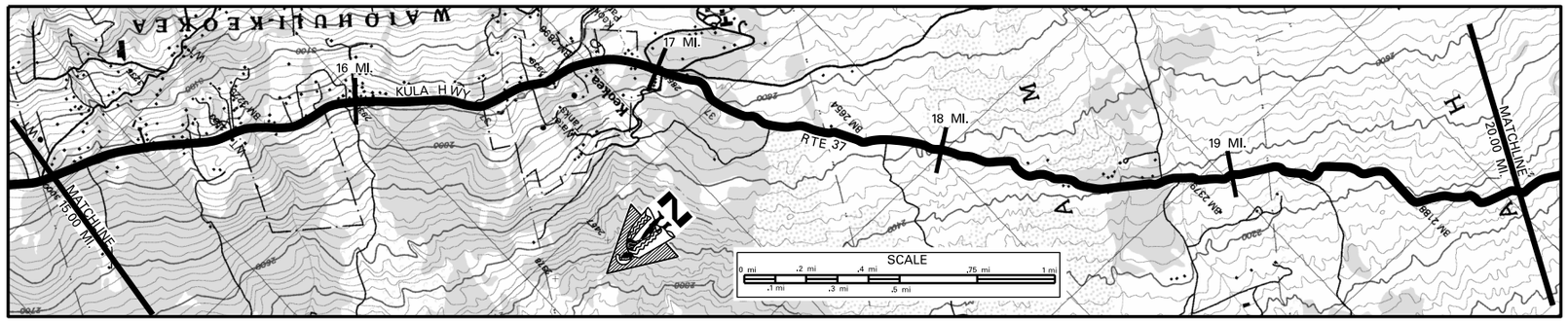
Total Route Length: 21.35 miles

a. Survey Length: 21.35 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) | 17.03 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
23' RC DECK GIRDER 1933, H-15 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 15.89 16.26 16.52 | 17.03 17.36 17.67 | BRUSH AND PASTURE LAND
STONEWALL 17.65 18.52
WIRE / WOOD AND STONEWALL 18.60 18.67 18.78

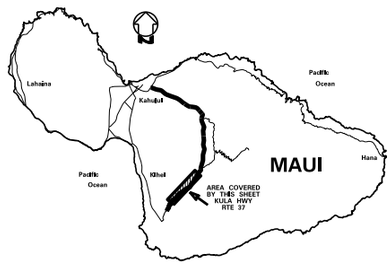
Right of Way Fence: Type – Right and Left (All fences: Wire on Wood unless indicated)
16.48

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C)
17.03

Project No., Type of Construction, and Year Constructed
37E–01–12M, PAVEMENT PREV. MAIN., 2013

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



Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET # 3

15.00 mi.

PUEO DRIVE CULVERT 15.06 mi. 15.03 mi.
LAUVIE DR. PLACE LEPELEPE WAIOHULI "A" BR. 15.30 mi. 15.28 mi. 15.27 mi. 15.24 mi.
MALIA ULI PL. CULVERT 15.42 mi. 15.40 mi.
MALAMAHALE PL. 15.56 mi.
WAIOHULI "B" BR. KULA MAKAI FARM LN. 15.63 mi. 15.68 mi.
MAUKANAN ROAD 15.78 mi.
CULVERT 15.97 mi.
CROSS ROAD 16.15 mi.
PAVED ROAD TO PARK 16.28 mi.
THOMPSON ROAD KEOKEA PL. 16.65 mi.
KA'AMANA RD 16.80 mi. 16.78 mi.
(ROAD TO KULA SANITORIUM) 17.00 mi. 16.97 mi.
CULVERT 17.28 mi. 17.22 mi.
KEALAKAPU ROAD KAMAOLE RD. 18.26 mi.
(DOCTOR SUN YAT SEN MEMORIAL PARK) 18.61 mi. 18.73 mi. 18.79 mi.
19.28 mi.

KULA HIGHWAY

(=10 = 85)

MP 15 | 15.5 MP | 16 MP | 16.5 MP | 17 MP | 18 MP | 19 MP

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
17.03

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

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'
17.03

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
RURAL (99999)

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

Speed: 1–Design, 2–Posted
35 MPH (2) | 25 MPH (1) / 35 MPH (1) 16.65 17.11 | 25 MPH (1)

Intersection Control Devices: Type, Location and Cycle Timing

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

HPMS Sections – AADT 2013
2,600 | 1,347

HPMS Sections – AADT 2012
2,510 | 1,305

HPMS Sections – AADT 2011
2,400 | 1,300
17.03

DOD Sections

Census Tracts

Functional Classification
MAJOR COLLECTOR (5)

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

Previous Projects: Project No., Date and Limits
37CD–01–02M, REPAIR AND MAINTENANCE, 2004 17.28
STP–037–1(18) WIDEN & RESURFACE 1994 | 37E–01–93M WIDEN & RESURFACE 1994
17.03 17.03
37D–01–75 1978 (WIDEN AND RESURFACE)
FAP 13A, 1932 16.56 | FAP 5–13A 1932 17.01 | 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.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	E.P.J.
July 14	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

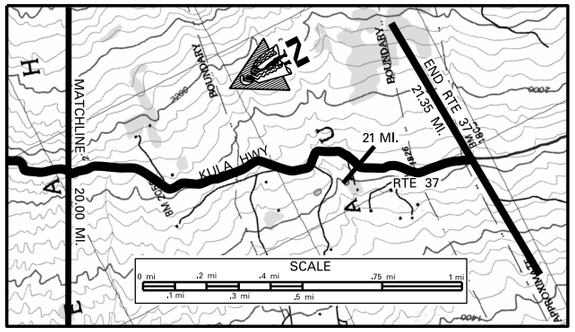
Total Route Length: 21.35 **miles**

a. Survey Length: 21.35 **miles**

b. Proposed Length: 0.00 **miles**

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

*



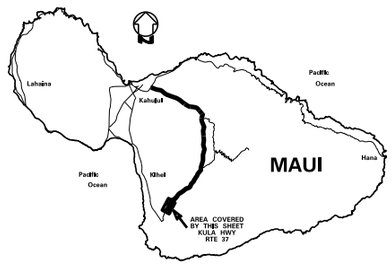
SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

Structure Carrying Road
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- 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 (20.98)
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	37E–01–12M, PAVEMENT PREV. MAIN., 2013 (21.35)
Project No., Type of Construction, and Year Constructed	37CDE–01–07M, RESURFACE, 2010 (21.35)



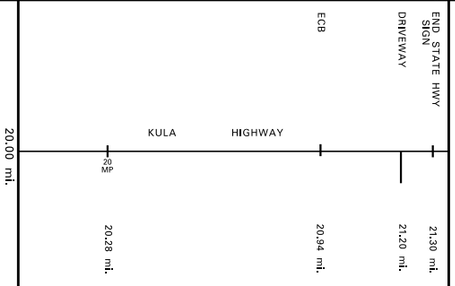
Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #4

20.00 mi.



* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '12 VIDEOLOG & '12 FEATURES DATABASE.

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

*21.35 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided
- Shoulder: Width and Type — 2' AC
- Pavement: Width and Type — 20' AC
- Shoulder: Width and Type — 2' AC

Divided
- 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 Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)	DE A DA EB D A EB E FB E D ABA
Superelevation (Range)	
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)	C D C D
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	RURAL (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	ROLLING (2)
Speed: 1–Design, 2–Posted	25 MPH (1) (NOT POSTED)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Stations (Current Year)	B74 0037 01703
HPMS Sections – AADT 2013	1,347
HPMS Sections – AADT 2012	1,305
HPMS Sections – AADT 2011	1,300
DOD Sections	
Census Tracts	
Functional Classification	MAJOR COLLECTOR (5)
National Highway System (NHS)	NOT ON NHS (0)
Previous Projects: Project No., Date and Limits	37E–01–93M RESURFACE 1994

Date Released
Oct 2004 GN

Revised	
Nov., 06	D.B.
April, 09	D.B.
Jan., 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.

ROAD INVENTORY

MAUI RTE 310
NORTH KIHEI ROAD

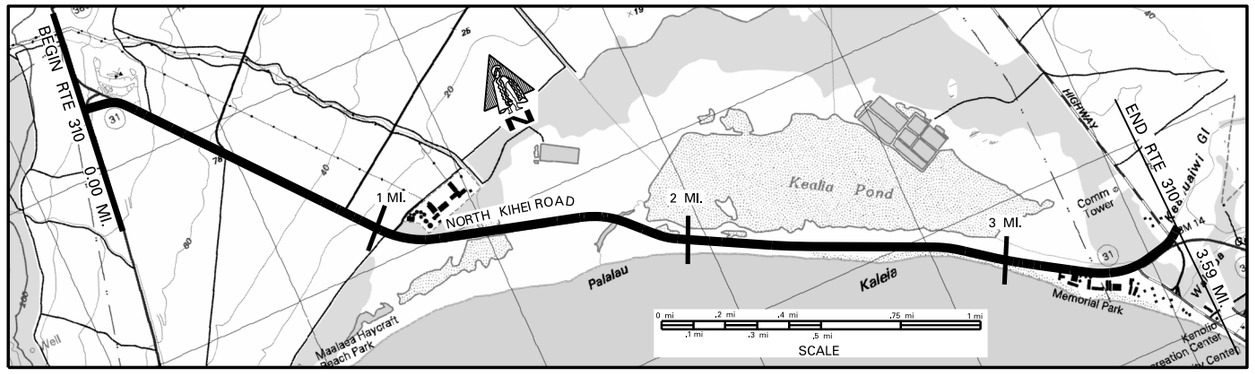
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length:	3.59	MILES (a+b)
a. Existing Length:	3.59	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	3.59	MILES (a+b, less c)
a. Existing Length:	3.59	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

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

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: 200' | 130' | 60' | 40' | 110' – 160' | 160' – 340'

Available Right of Way Width (Needs Study): 1000' Clear, Cane Field 30' from Pavement | Ranch & Pasture (L), Beach (R) | Resort Area

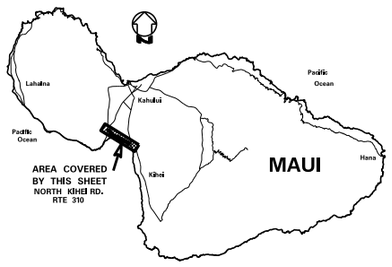
Right of Way Fence: Type – Right and Left: Wire | Wire | Wire

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: 310A–01–13M, RESURFACE, 2014

Project No., Type of Construction, and Year Constructed: STP–0310(4), PREVENTIVE MAINTENANCE, 2009



Road Diagram
* MP = Milepost Signage

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

End Divided Hwy Park & Ride Access On–Ramp 0.01 mi.

Paved Road 0.08 mi.

Cane Haul Road 0.09 mi.

0.17 mi.

Telem. Sta. 310008 0.45 mi.

Cane Haul Road 0.47 mi.

Road to Maui Electric Co. 0.73 mi.

9+35

0.87 mi.

North Kihei Road

1.03 mi.

Culvert 1.56 mi.

Road to Lookout 1.74 mi.

Road from Lookout 1.82 mi.

1.90 mi.

2.04 mi.

0.50 MP — 1MP — 1.50 MP — 2MP — 2.50 MP — 3MP

Indicates Grass & / or Physical Barrier on Median.

2.55 mi.

End Divided 2.96 mi.

Begin Divided 3.08 mi.

3.17 mi.

End Divided 3.33 mi.

Begin Divided 3.45 mi.

Mokulele Hwy South Kihei Road

508+27.45

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '12 VIDEOLOG & '12 FEATURES DATABASE.
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)
*3.59 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided
- Shoulder: Width and Type: 10' AC
- Pavement: Width and Type: (42' AC) — 36' AC | 24' AC — Note: Pavement Widths Include Turning Lanes from 0.00 to 0.10
- Shoulder: Width and Type: 0 | 10' AC

Median: Width and Type: 0'–10' Painted AC | Milled Shoulder Rumble Strip / Milled Centerline Rumble Strip | 6' AC | (0'–12' Painted AC) | 0'–12' Painted AC | 12'–24' Painted AC | 12' AC 12' AC

Undivided
- Shoulder: Width and Type: 0 | 0'
- Pavement: Width and Type: (16' AC) — 24' AC — (12' AC) — Note: Pavement Widths Include Turning Lanes from 0.00 to 0.10 | 12' AC | 12' AC 3.45 | 24' AC | 12' AC
- Shoulder: Width and Type: 10' AC | 6' AC

Number of Traffic Lanes: (3–14') (1–16') 1–12 | 2–11' | 2–12' | 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 | All 12' Turning Lanes

(Right Side): 1–12' (R) TL | Two–Way (L) Turning Lanes | All 12' Turning Lanes

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: 4 M.V. | 9 HPS

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban (99998)

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

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

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

Traffic Stations (Current Year): (B74 0310 00000) | B74 0310 00010 | B74 0310 00308 | B74 0310 00334

HPMS Sections – AADT 2013: (14,100) | 15,500 | 10,934 | 19,609

HPMS Sections – AADT 2012: (15,261) | 15,000 | 10,322 | 18,512

HPMS Sections – AADT 2011: (14,800) | 14,700 | 19,536 | 14,800

DOD Sections

Census Tracts

Functional Classification: Minor Arterial (4)

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

Previous Projects: Project No., Date and Limits

0.15 — BR–NH–030–1(24) New Alignment, 2002

0.11 — 310A–01–00M, (R) 2001

[310A–01–91M (R) 1992] — 0.05 — 310A–01–91M (R), 1992 — HWY–M–02–76M (R) 1976 — WDRC 14(1) 1948

2.95 — STP–031–1(8), (R) 1996 — 3.26 — 3.54 — [STP–0900(58), G.R. & SHLDR. IMP., 2004]

2.95 — STP–031–1(8), (R) 1996 — 3.32 — 3.54 — [TQF–RF–031–1(6), 1981 (New Construction)]

County

SCALE: (In Miles) 4" = 1 mile

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.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	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

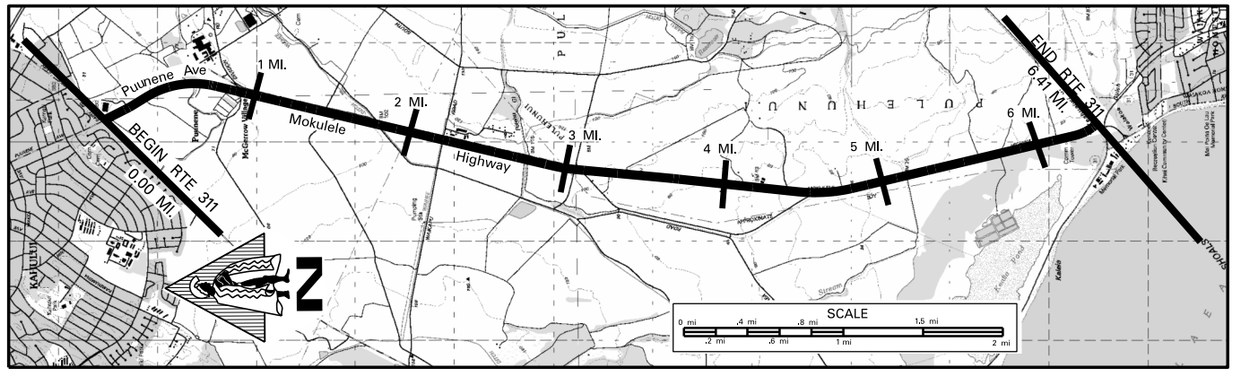
Total Route Length: 6.41 miles

a. Survey Length: 6.41 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

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 Railway

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)

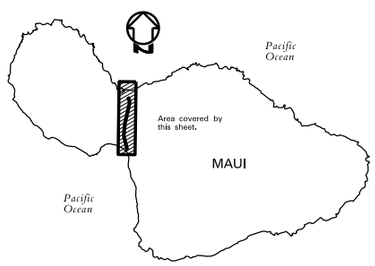
Right of Way Fence: Type – Right and Left: Chain Link; Chain Link; Chain Link

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

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

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; NH–0311(5), WIDENING, 2005; 311A–01–93M, Resurf., 1993; NH–311–(7), WIDENING, 2006; (311A–01–93M, Resurf., 1993)



Road Diagram

* MP = Milepost Signage

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

Ho'okele St. Driveway to Acc. to Ho'okele St.; Hansen Road; Cane Haul Rd. & T.C.; Cane Haul Rd.; Cane Haul Rd.; MAUI BASEYARD ROAD; TELEM. STA. 311023; Puhelu Bridge; Beg. Grass Median; Kamaaina Rd. (L) Mokulele Hwy. (Alternate Rte.) (R); MOKULELE HWY; End Grass Median; Beg. Grass Median Mahinmoha Loop (R) Road to Maui Raceway Park (L); Culvert; Service Road Culvert; Kolalpa Gulch; End Grass Median Kealia Pond Road (R); Culvert; Beg. Grass Median; Kealiahiawi Gulch; End Grass Median

PUUNENE AVENUE — MOKULELE HWY

Indicates Grass & / or Physical Barrier on Median.

Centerline Culvert; Centerline Culvert; Centerline Culvert

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '12 VIDEOLOG & '12 FEATURES DATABASE.

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

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; 0; 4' AC; 0; 4' AC; 0; 4' AC; 0; 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; 0; 4' AC; 0; 4' AC; 0; 4' AC; 0; 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)

Sidewalk: Width and Type (Right and Left): 10' AC Bike Route (12' AC Bike Route); 10' AC Shared–Use Path

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban (99998)

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

Speed: 1–Design, 2–Posted: 30 MPH (2); 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 2013: 16,700; 31,838; 31,000

HPMS Sections – AADT 2012: 27,008; 30,056; 30,000

HPMS Sections – AADT 2011: 26,100; 30,647; 30,867

DOD Sections

Census Tracts

Functional Classification: Major Collector (5)

National Highway System (NHS): 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

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.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 12	E.P.J.
July 14	D.B.

ROAD INVENTORY

MAUI RTE 340
KAHEKILI HIGHWAY

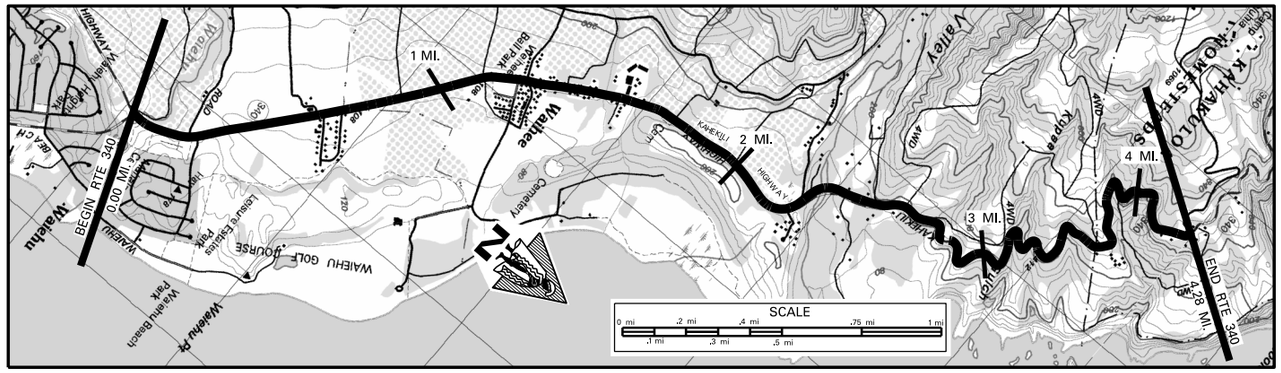
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 4.28 miles
a. Survey Length: 4.28 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 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 (2.42)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- CULVERT 1967 HS20 34'
- CULVERT 10' (0.92)
- PRESTRESSED BEAM 1967 HS20 245'

Vertical Clearance
- 24'
- 28'

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies
- 70' – 240' (2.00)
- 80' – 200' (2.42)
- 40'

Available Right of Way Width (Needs Study)
- CLEAR 1000' SUGAR, 25' FROM PAVEMENT (1.33)
- RES. AREA (1.62)
- HEAVY BRUSH AND TREES / PASTURE BEYOND

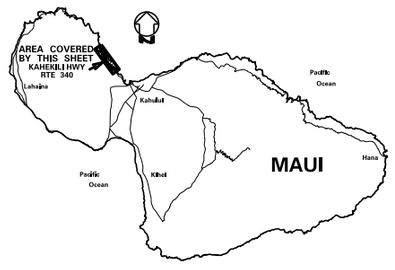
Right of Way Fence: Type – Right and Left
- CHAINLINK 10' FROM PAVEMENT (1.14 – 1.22)

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 (0.00)
- PERMIT MA-05-17, IMP., 2006 (0.23)
- PERMIT #MA-07-15, IMPRVTS., 2008 (0.95 – 1.28)
- 226+50 (4.28)

Project No., Type of Construction, and Year Constructed
- 340D-01-05M, RESURF., 2007



Road Diagram

* MP = Milepost Signage

BEGIN ROUTE 340 0.00 mi.
ON KAHEKILI HIGHWAY AT THE CENTERLINE JUNCTION WITH WAIEHU BEACH ROAD AT WAILUKU URBAN BOUNDARY (SAME LOCATION AS END ROUTE 3400)

RD TO CEMETERY & RD TO WAIEHU STR. CULVERT (0.06 mi. 0.02 mi.)
HOAUNA STREET MALAHN ROAD (0.22 mi. 0.19 mi.)
BEGIN DIVIDED (0.34 mi. 0.33 mi.)
NA WAI EHA PL. (0.45 mi.)
TELEM. STA. 340006 (0.55 mi.)
KOHOMUA STREET & KAU U PL. (R) (0.62 mi. 0.60 mi.)
HOʻOLA HOU ST. (0.68 mi.)
CULVERT (0.78 mi.)
END DIVIDED (0.92 mi.)
OMILU ST. (1.08 mi.)
WILIPOHAKU ST. KUHINIA ST. HALEWAU ROAD (1.15 mi. 1.28 mi. 1.27 mi. 1.25 mi.)
PAVED ROAD CULVERT (1.38 mi.)
UNPAVED ROAD (1.53 mi. 1.52 mi.)
UNPAVED ROAD (1.78 mi.)
UNPAVED ROAD CULVERT (1.90 mi.)
ECB (2.01 mi. 1.97 mi.)
WAIHEE VALLEY RD (2.10 mi.)
WAIHEE BRIDGE #2 PAVED ROAD (2.22 mi.)
PAVED ROAD (2.32 mi. 2.30 mi.)
CULVERT (2.38 mi.)
CULVERT (2.42 mi.)
CULVERT (2.64 mi.)
CULVERT ECB (3.19 mi.)
CULVERT (3.33 mi. 3.32 mi. 3.31 mi.)
CULVERT (3.50 mi.)
CULVERT (3.88 mi.)
RD TO MALUHIA & CAMP SIGN (R) CULVERT (4.05 mi.)
END STATE HWY. (L) CULVERT (4.14 mi.)
ECB (4.28 mi.)

KAHEKILI HIGHWAY
OKI PLACE
3 MP
4 MP
5 MP
6 MP
11+20
177+20

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '12 VIDEOLOG & '12 FEATURES DATABASE. END ROUTE 340 ON KAHEKILI HIGHWAY AT THE CENTERLINE ENTRANCE TO CAMP MALUHIA. *4.28 mi.

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Divided Highway — Undivided

Shoulder: Width and Type
- 6' AC | 2'–4' GRS (0.50) | 2'–6' AC (0.70) | 2'–4' GRS (0.89) | 6' AC (0.97) | 2' AC (1.12) | 2' AC (1.26) | 0 (1.52) | 2' AC (1.99) | 2' AC & 10' Grass (2.21) | 2' AC (2.42) | 2' – 4' AC

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

Shoulder: Width and Type
- 6' AC | 0 | 6' AC (1.17) | 4' AC (1.24) | 2' AC (1.28) | 2' AC (1.99) | 2' AC & 10' Grass | 2' AC | 2' – 4' AC

Divided Highway

Median: Width and Type
- (0.33) 10' PAINT (1.15)

Shoulder: Width and Type
- 0

Pavement: Width and Type
- 12' AC (1.17) (11' AC)

Shoulder: Width and Type
- 6' AC (0.38) | 0 | 0 (1.12)

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

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
- (0.17) (0.25) (0.27) (0.45) (0.49) (0.55) (0.62) (0.66) (0.68) (0.73) (0.78) (0.81) (1.17) (1.88)

(Right Side)

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

Sidewalk: Width and Type (Right and Left)
- (0.20) (0.25) (0.36) 4'–6' CONC. S.W. (1.12) 4' CONC. S.W. (1.81)

Curb and/or Gutter: Type (Right and Left) — AC CURBS
- 2' CONC. GUTTER/CURB (1.17)
- 6' CONC. GUTTERS (2.21)
- 3' CONC. GUTTERS (2.39 – 2.46)
- 3' AC GUTTER (4.14 – 4.27)

Protective Devices: Type, Location and Number — METAL RAILS ON CONCRETE POSTS
- (0.06) (0.89) M/M (0.94)

Illumination: Type, Location and Number
- 7 MV (1.78)
- 1 MV (2.27 – 2.37)

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)
- C (0.00) A (0.10) AB (0.24) A (0.38) A (1.13) C (1.18) B (1.24) AB (1.34) A (1.46) A (1.67) A (1.73) A (1.85) A (1.99) A (2.11) D (2.27) BAB (2.43) D (2.54) E (2.77) E (2.84) E (3.15) F (3.33) E (3.46) AF (3.62) E (3.86) F (4.00) E (4.08) E (4.18) F (4.27)

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)
- C (0.11) B (0.53) A (0.89) B (1.64) A (1.66) C (1.74) B (2.09) A (2.15) B (2.53) D

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
- SMALL URBAN (99998) (2.32)
- RURAL (99999)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous
- ROLLING (2) (0.28) | FLAT (1) (0.73) (1.06) | ROLLING (2) (1.47) | MOUNTAINOUS (3) (2.42)

Speed: 1–Design, 2–Posted
- 35 MPH (2) (0.35) | 30 MPH (2) | 35 MPH (2) | 20 MPH (2) | NOT POSTED
- 30 MPH (2) | (25 MPH (2)) (1.00) (1.13)

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 2013
- 6,400 | 4,248 | 1,179 | 10

HPMS Sections – AADT 2012
- 6,300 | 4,116 | 1,113 | 904

HPMS Sections – AADT 2011
- 3,800 | 4,000 | 1,175 | 870

DOD Sections (1.24) (2.21) (2.42)

Census Tracts

Functional Classification
- MAJOR COLLECTOR (5)

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

Previous Projects: Project No., Date and Limits

- (0.26) ← (3400B-01-97M, RESURFACE, 1998)
- 340D-01-93M, RESURFACE, 1994
- S-0341(3) (0.21) COUNTY (1.99) S-0330(2) (2.42) COUNTY
- 1966 — 1967

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3 | 4 | 5

Date Released
Oct 2004 GN

Revised	
Nov. 06	D.B.
Feb. 08	D.B.
Dec. 09	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	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

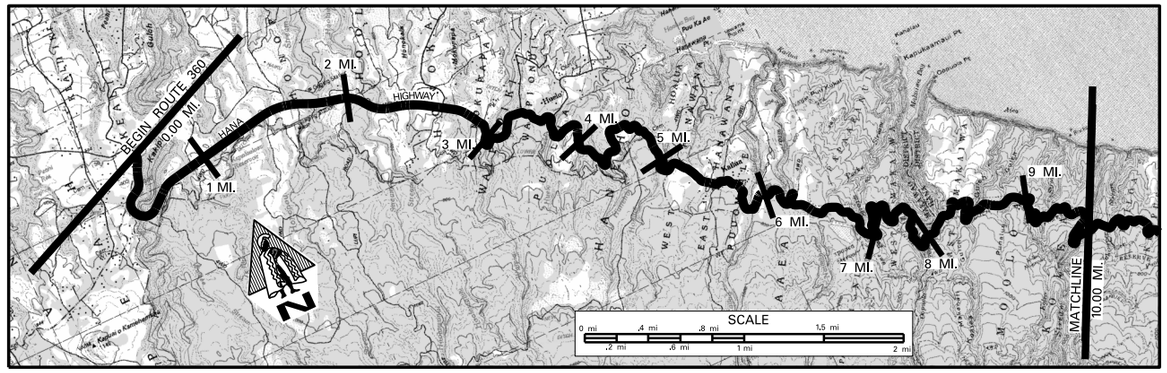
Total Route Length: 34.84 miles

a. Survey Length: 34.84 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

0.45	2.14	5.09	5.86	6.22	7.94	8.24	8.57	8.88
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
33′	210′	49′	40′	64′	30′	18′	22′	41′

Vertical Clearance

24′	24′	16′	20′	19′	20′	16′	15′	12′

Structure Over Pass Phwy

Vertical Clearance

Horizontal Clearance

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

0.78	2.79	4.82	5.87	
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)

2.71	2.89	3.55	3.58	4.70	4.80	5.58	5.65	6.42	6.53	6.59	6.75	6.77	8.30	8.44	8.73	8.77	8.90	8.94	9.44	9.65
Wire		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

3.32	4.15	8.95	9.43
360A–01–10M, 2013 (Resurfacing)			

Project No., Type of Construction, and Year Constructed

0.00	3.32	4.15	9.43	
ARR–0360(10), PREV. MAINT., 2010		360A–01–94M, 1995 (Resurfacing & Improvements)	(360A–02–05M, (R), 2007)	

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(L) MP

Culvert 0.04 mi. 0.02 mi. | Gated Driveway 0.45 mi. | Honopou Rd. 0.69 mi. | Gated Driveway 1.02 mi. | Uaoma Ln. 1.44 mi. | Hoolawa Br. ECB(R) Lupi Rd. 1.67 mi. | Uaoma Loop 2.63 mi. | E. Waipio Rd. 1.90 mi. | Door Of Fairy Rd. (Public Telephone(L)) 2.14 mi. 2.08 mi. 2.01 mi. | Culvert Honokala 2.63 mi. | Hoolua Bridge 3.01 mi. | Puuomalle Pl. Puuomalle Rd. Culvert 3.38 mi. | Public Telephone(L) Driveway 3.61 mi. | Kailua Bridge 3.95 mi. | Nailiilihaele Br. 4.25 mi. | PA Culvert 4.93 mi. | ECB(L) 5.07 mi. | Oopuola Br. 5.45 mi. 5.42 mi. | Makanali Br. 5.70 mi. 5.69 mi. | Kaalea Br. 5.93 mi. 5.85 mi. | Culvert 6.20 mi. | Koke Culvert 6.90 mi. | Waikamoi Br. Trail (R) 7.03 mi. | Waikamoi Br. ECB(L) 7.37 mi. | 7.70 mi. | 7.92 mi. 7.88 mi. | 8.22 mi. | 8.40 mi. | 8.55 mi. | 8.90 mi. | 9.13 mi. | 9.24 mi. | 9.45 mi. | 9.86 mi. 9.83 mi.

HANA HIGHWAY

290 + 20 | 374 + 55

MP: 1 | 2 | 3 | 4 | 5 | 5.5 | 6 | 7 | 7.5 | 8 | 8.5 | 9 | 9.5

CONTINUED ON SHEET #2.

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

0.42	2.42	2.67	2.79	4.15	4.47	9.87	9.92
Shoulder: Width and Type	6′–8′ AC	2′ AC	3.31	2′–4′ Grs.	3.61	0	4.48	2′–4′ Grs.	5.83	0–2′ Grass	6.42	2′–4′ Grs.	6.89	0–2′ Grass	10.06
Pavement: Width and Type	22′ AC			20′ AC			4.15	18′ AC							
Shoulder: Width and Type	4′–6′ AC	1.95	6′–14′ AC	2.40	4′–6′ AC	2.94	2′–4′ AC	3.34	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

2.82	4.15	
2–11′	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)

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

AC Swale | Concrete Barrier | Masonry Wall | Masonry Wall

(C, C&G) (Conc. C&G) (Conc. C&G)

Illumination: Type, Location and Number

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

Small Urban (99998) | Rural (99999)

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

Mountainous (3)

Speed: 1–Design, 2–Posted

1.01	2.62	2.82	2.90	
Not Posted	35 MPH (2)	25 MPH (2)	(25 MPH (2))	15 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

2.63	
B74 0360 00000	B74 0360 00263
3,800	1,500
3,614	1,506
3,500	1,500

HPMS Sections – AADT 2013

HPMS Sections – AADT 2012

HPMS Sections – AADT 2011

DOD Sections

Census Tracts

Functional Classification

Major Collector (5)

National Highway System (NHS)

Not on NHS (0)

Previous Projects: Project No., Date and Limits

3.31	4.23	
STP–0900(39), (R) 1996	360A–01–80, 1981	360A–01–82, 1983 (Imprv.) & 360A–01–83M, 1983 (Resurfacing)

4.15	
	360A–01–94M, 1995 (Resurfacing & Improvements)

0.42	2.42	2.67	2.79	4.47	9.87	9.92
S–0360 (4), 1963	S–0360(3), 1963	F–32 (2), 1946,1957	(Job #5839, 1956)	C–360–01–63, 1967	County	A–360–01–62,1962	(360AB–01–00M, 2002, Repairs & Maintenance)
30 + 40	48 + 64.21	319 + 00	319 + 00	0 + 00	130 + 72.45		

SCALE: (In Miles) 2" = 1 mile

Date Released
Oct. 2003, D.B.

Revised	
Sept. 04	D.B.
Nov., 06	D.B.
Dec. 09	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	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
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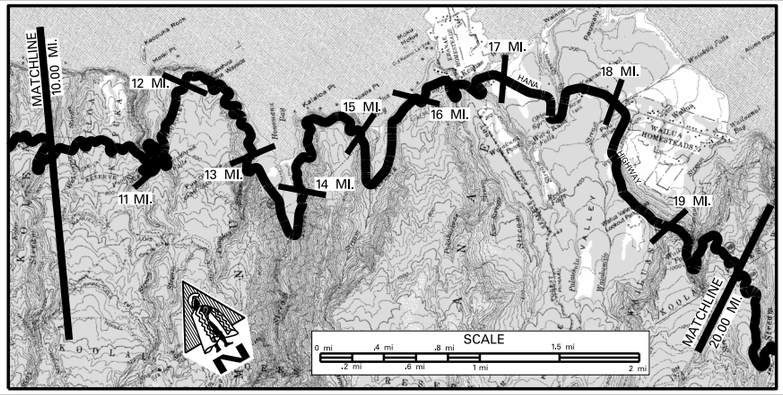
Total Route Length: 34.84 **miles**

a. Survey Length: 34.84 **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

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

| | | |

ROAD INVENTORY

MAUI RTE 360
HANA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
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U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

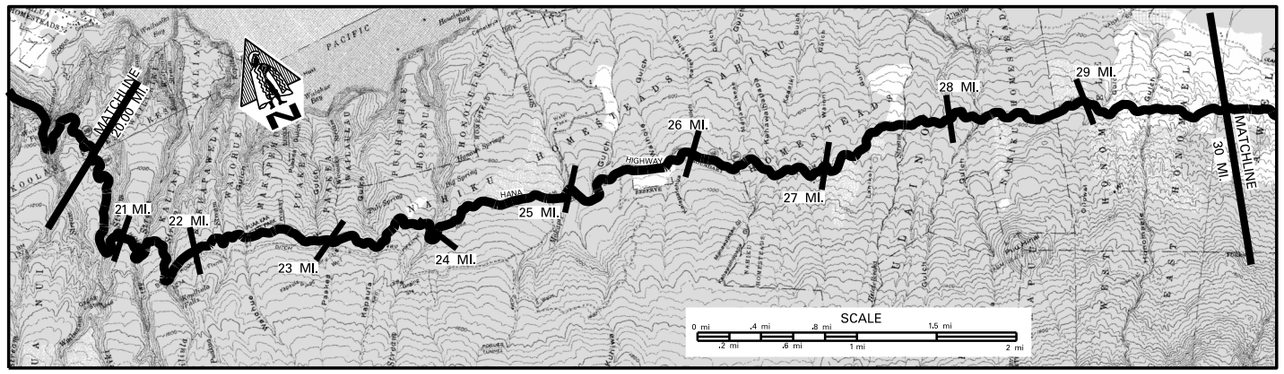
Total Route Length: 34.84 miles

a. Survey Length: 34.84 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

360 B (16.57 mi.)

Structure Carrying Road

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

Tee Beam 1937 H15	Tee Beam 1926 H15	Tee Beam 1926 H15	Tee Beam 1926 H15	Tee Beam 1937 H15	Tee Beam 1920 H15	Tee Beam 1926 H15	Conc. Masonry Arch 1926 H15	Tee Beam 1926	Tee Beam 1926 – H15	Conc. Masonry Arch 1926 – H15	Tee Beam 1926	Tee Beam H15 1926	1922	1921	1920	1920	Tee Beam – H15 1917	1917	1914	Slab 1908 – H15	Tee Beam 1914 – H15	Tee Beam 1924 – H15
62′	34′	76′	20′	40′	20′	49′	60′	23′	40′	60′	24′	24′	24′	22′	29′	24′	51′	28′	39′	48′	22′	38′
20.83	21.30	21.81	22.31	22.47	22.95	23.33	23.99	24.16	24.98	25.20	25.42	25.95	26.48	26.60	26.77	26.94	27.01	27.78	27.92	27.98	28.31	29.18	29.54
20′	18′	14′	22′	13′	12′	16′	20′	16′	16′	16′	16′	16′	16′	16′	16′	16′	16′	16′	16′	16′	13′	16′	16′

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 (W/W = Wire on Wood)

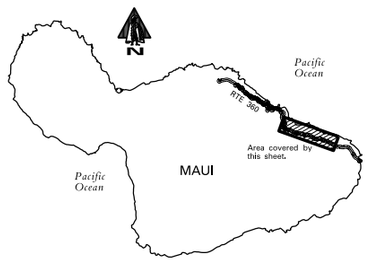
Heavy Grass & Trees | W/W | Res. / Farm Area | Wire on Wood | Clr. 1000′ – Pasture, Grass – 15′ from Pvmt.

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: (360AB–01–88 (R) 1990) | 360B–01–08M, RESURFACE, 2010 | 360B–01–09M, RESURFACE, 2010

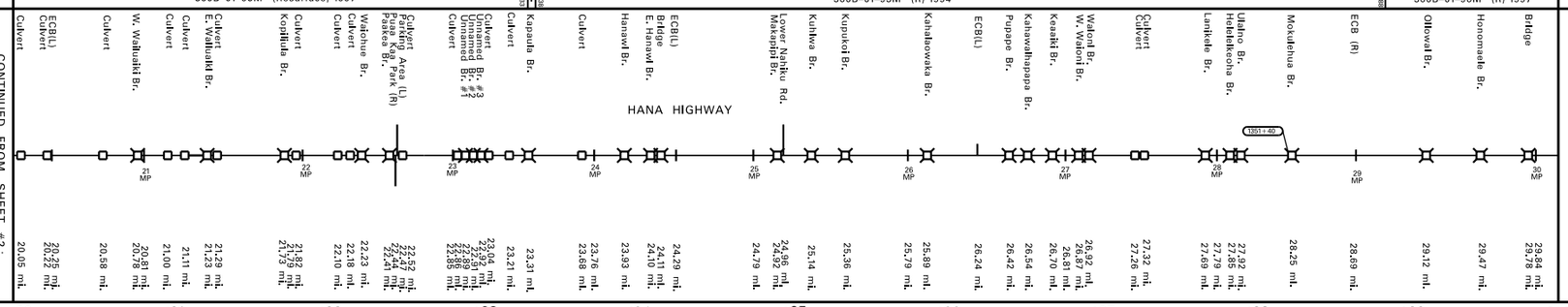
Project No., Type of Construction, and Year Constructed: 360B–01–95M (Resurface) 1997 | 360B–01–93M (R) 1994 | 360B–01–96M (R) 1997



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #2.



20.05 mi. | 20.22 mi. | 20.25 mi. | 20.58 mi. | 20.78 mi. | 20.81 mi. | 21.00 mi. | 21.11 mi. | 21.23 mi. | 21.29 mi. | 21.73 mi. | 21.82 mi. | 22.10 mi. | 22.18 mi. | 22.23 mi. | 22.41 mi. | 22.44 mi. | 22.57 mi. | 22.85 mi. | 22.88 mi. | 22.91 mi. | 23.04 mi. | 23.21 mi. | 23.31 mi. | 23.68 mi. | 23.76 mi. | 23.93 mi. | 24.10 mi. | 24.11 mi. | 24.29 mi. | 24.79 mi. | 24.92 mi. | 24.96 mi. | 25.14 mi. | 25.36 mi. | 25.79 mi. | 25.89 mi. | 26.24 mi. | 26.42 mi. | 26.54 mi. | 26.70 mi. | 26.81 mi. | 26.87 mi. | 26.92 mi. | 27.26 mi. | 27.32 mi. | 27.69 mi. | 27.79 mi. | 27.85 mi. | 27.92 mi. | 28.25 mi. | 28.69 mi. | 29.12 mi. | 29.47 mi. | 29.78 mi. | 29.84 mi.

CONTINUED ON SHEET #4.

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type: 0–2′ Grass | 2′–3′ AC | 0–2′ Grass

Pavement: Width and Type: 16′–18′ AC | 18′ AC

Shoulder: Width and Type: 0–2′ Grass | 1′ 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–(8′–9′) | 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) | (Masonry Wall) | (Conc. Barrier)

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

Illumination: Type, Location and Number

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

Rural (99999)

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B74 0360 01939

HPMS Sections – AADT 2013: 1,400

HPMS Sections – AADT 2012: 1,506

HPMS Sections – AADT 2011: 1,500

DOD Sections

Census Tracts

Functional Classification: Major Collector (5)

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

Previous Projects: Project No., Date and Limits

360B–01–85 1986 | 360AB–01–88 (Resurf, & Improv.) 1990 | 360B–01–93 (R) 1994 | 360B–01–80 (Improv.) 1981

County to State

SCALE: (In Miles) 2" = 1 mile

Date Released
Oct 2003, D.B.

Revised	
Aug. 04	D.B.
Nov., 06	D.B.
Dec. 09	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	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

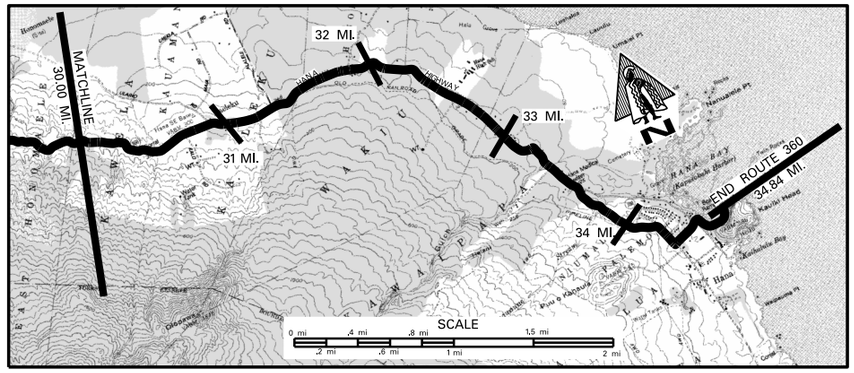
Total Route Length: 34.84 **miles**

a. Survey Length: 34.84 **miles**

b. Proposed Length: 0.00 **miles**

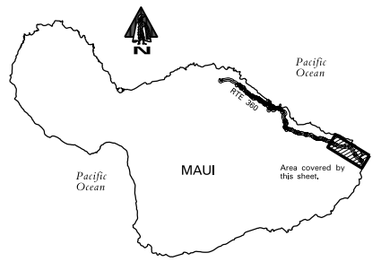
c. Other Length: * 0.00 **miles**

*



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description	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	
Structure Carrying Road — Vertical Clearance	73'	
Structure Carrying Road — Horizontal Clearance	26'	
Structure over Road — Vertical Clearance		
Structure over Road — 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 / W/W / Wood / Various / Chain Link / 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	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.-

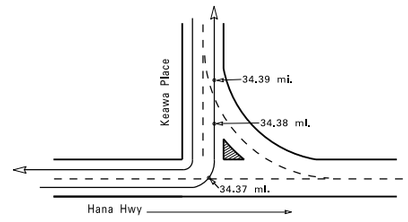
Bridge; Bridge (Resurf.) 1997; Bridge; ECB(L); Kalo Rd.; Ulaino St.; Olopawa Rd.; Alalele Pl. (Rd. to Hana Airport); Kahekili Pl.; Culvert; To Waianapanapa State Park; Hana High School; Hana Elementary School; ECB(L); Waikoloa Rd. (Reduced Speed Disposal Site); Kanaloa Pl.; Kawaipapa Dr.; Bridge (Improv.) 1981; Bridge 33.87 mi.; Hana Mtn. Ridge Observatory & Hana Mtn. Ridge Telephone(R); Hana Mtn. Center; Kauiki St.; Pa'animai Park; Keawa Pl. (L); Keaniki Dr.; Alau St.; Culvert; Ukeke Rd.; HANA HIGHWAY; KEAWA PLACE; Hana angle point

1427 + 35; 1548 + 60; 31 MP; 32 MP; 33 MP; 34 MP

30.02 mi.; 30.13 mi.; 30.44 mi.; 30.58 mi.; 30.72 mi.; 30.82 mi.; 30.90 mi.; 31.11 mi.; 31.21 mi.; 31.31 mi.; 31.48 mi.; 31.82 mi.; 31.85 mi.; 32.50 mi.; 32.51 mi.; 32.61 mi.; 32.77 mi.; 33.05 mi.; 33.40 mi.; 33.57 mi.; 33.65 mi.; 33.82 mi.; 34.00 mi.; 34.08 mi.; 34.24 mi.; 34.30 mi.; 34.37 mi.; 34.55 mi.; 34.59 mi.

END ROUTE 360 ON KEAWA PLACE AT THE WHARF ON HANA BAY. *34.84 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '12 VIDEOLOG & '12 FEATURES DATABASE.



SCALE: (In Miles) 2" = 1 mile

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'–6.5' 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; (Conc. Curb); AC Roll Curb	
Protective Devices: Type, Location and Number (Metal Rails on Metal Posts unless otherwise noted.)	Masonry Wall	
Illumination: Type, Location and Number	MV	MV
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)	A B AC D C A BA D A E D A B A A A B C EA C ED EBA BD AB D AF C A EA E	
Superelevation (Range)		
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)	C B C B A B C B A B C B A C A	
Vertical Curve: Crest or Sag, Curve Limits		
Area and Development:	(Mountainous (3)); Rural (99999)	
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Flat (1); Rolling (2); Rolling (2)	
Speed: 1–Design, 2–Posted	35 MPH (2); 15 MPH (2); 35 MPH (2); 30 MPH (2); Not Posted; 35 MPH (2); (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 2013	1,400; 1,554; 1,900; 1,845	
HPMS Sections – AADT 2012	1,506; 1,506; 1,807; 1,773	
HPMS Sections – AADT 2011	1,500; 1,500; 1,700; 1,838	
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

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.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.

ROAD INVENTORY
MAUI RTE 377
KEKAULIKE AVE & HALEAKALA HWY

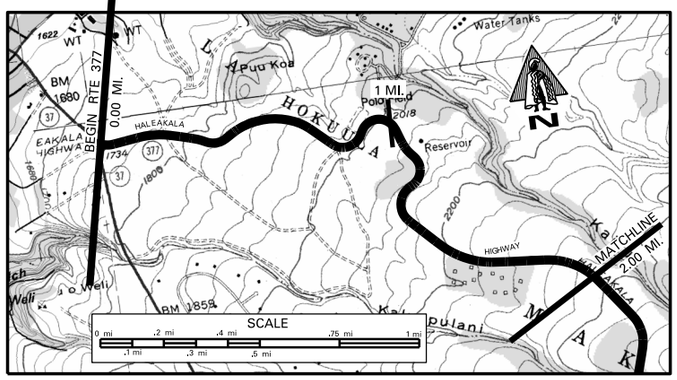
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

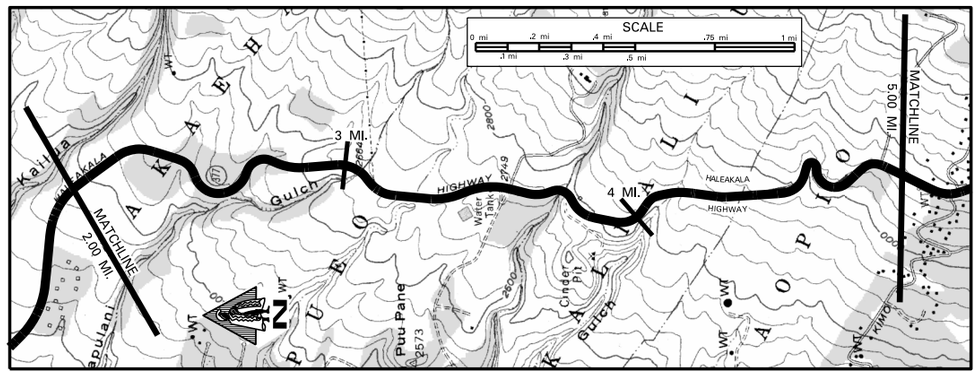
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

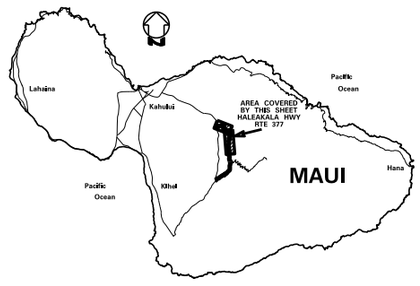
Total Route Length: 9.14 miles
a. Survey Length: 9.14 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles

*





	SCALE: (In Miles) 4" = 1 mile	0 1 2 3 4 5
	Maintenance Control Sections : Length and Description	0.00 Begin 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	N O N E
	Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	6+00 — S T A T E
	Project No., Type of Construction, and Year Constructed	STP–0377(005), 2012, PREVENTIVE MAINTENANCE
	Project No., Type of Construction, and Year Constructed 377A–02–81M 1981 RESURFACE	STP–0377(3), 1995 GUARDRAIL AND SHOULDER IMPROVEMENT



Road Diagram
* MP = Milepost Signage

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

SPUR & END DIV. 0.03 mi. 0.03 mi.
BEGIN DIVIDED 0.00 mi.
BEGIN DIVIDED 0.28 mi. 0.27 mi.
TRACTOR CROSSING KING KEKAULIKI HIGH SCHOOL END DIVIDED 0.38 mi. 0.20 mi.
CULVERT 0.86 mi. 0.81 mi.
CULVERT 0.95 mi.
ECB (L) KEALALOA AVE & "2000' ELEV." SIGN (R) 1.02 mi. 0.99 mi.
HALEAKALA 1.93 mi.
CULVERT 2.41 mi.
2500' ELEV. SIGN 2.56 mi.
CULVERT 2.73 mi.
CULVERT 2.91 mi.
CULVERT 3.05 mi.
ECB 3.16 mi.
WAIALE BRIDGE 3.71 mi.
HIGHWAY 3.89 mi.
CULVERT 4.63 mi.
5.00 mi.

CONTINUES ON SHEET # 2

	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	(11' AC) 22' AC — 22' AC — 18' AC
Divided Highway – Undivided	Shoulder: Width and Type	(0) 4' AC — 4' AC
Divided Highway	Median: Width and Type	(0–11' PAINTED AC) 0.02 / 0.20 / 3 FT PAINTED AC / 0.27
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' — 2 – 9'
	Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	0.03 / 0.27 / 0.38 11' T. L.
	(Right Side)	0.18 11' 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)	
	Protective Devices: Type, Location and Number ALL GUARDRAILS METAL ON METAL, EXCEPT WHEN NOTED	
	Illumination: Type, Location and Number	
	Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)	
	Superelevation (Range)	
	Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)	
	Vertical Curve: Crest or Sag, Curve Limits	
	Area and Development:	SMALL URBAN (99998) — SMALL URBAN (99998)
	Terrain: 1–Flat, 2–Rolling, 3–Mountainous	ROLLING (2)
	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 2013	3,500 — 2,700
	HPMS Sections – AADT 2012	4,217 — 2,410
	HPMS Sections – AADT 2011	4,100 — 2,300
	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–0377(4), 1994 RESURFACE
		377A–01–83M 1983 RESURFACE — 377A–01–85M 1985 RESURFACE
		377A–02–81M 1981 RESURFACE — JOB #5569 1952 RESURFACE
		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.
Feb. 12	D.B.
Sept. 12	E.P.J.
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ROAD INVENTORY

MAUI RTE 377
KEKAULIKE AVE & HALEAKALA HWY

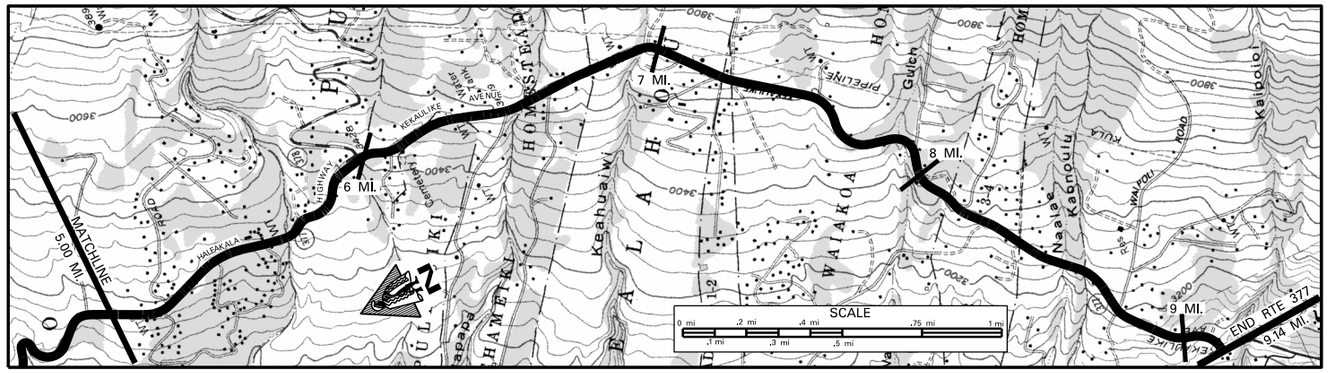
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 9.14 miles
a. Survey Length: 9.14 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

377A (9.13 MI)

End 377A on Kekaulike Hwy, 50' East of centerline intersection with Kula Hwy. 9.14

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)

PASTURE AND RANCH AREA

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

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)

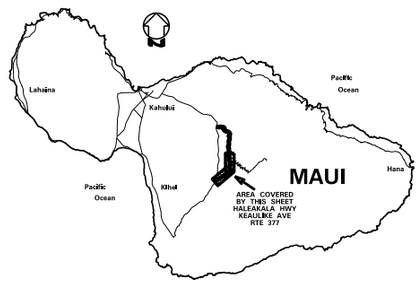
S T A T E

Project No., Type of Construction, and Year Constructed

STP–0377(005), 2012, PREVENTIVE MAINTENANCE
377B–01–96M 1998 RESURFACE

Project No., Type of Construction, and Year Constructed

STP–0377(3) 1995 GUARDRAILS & SHLDR IMPR.
RS–0377(2) 1987 IMPROVEMENTS



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET # 1 — 5.00 mi.

HALEAKALA HIGHWAY — KEKAULIKE AVENUE

LOWER KIMO DR. / UPPER KIMO DR. — CULVERT — AINAKULA ROAD — KUALANI DRIVE — POHAKUOKALA BR. — KUALONO PLACE — CULVERT — CULVERT SPUR — HALEAKALA CRATER RD. (RTE 378) — PUANANI PLACE — PULEHUKI ROAD — KAMEHAMEHA ROAD — HAPAPA BRIDGE — JOHNSON ROAD — HAPAPA ROAD — PULEHU BRIDGE — PAVED ROAD — ECB(L) — KOMO PLACE — IHE PLACE — HOMESTEAD (L) — KOLOHALA DRIVE — COPP ROAD — WAHELANI ROAD — CULVERT — TELEM. STA. 377073 — CULVERT — CULVERT — WAIAKOA ROAD — 'ALAE ROAD — LOLE PL. / FOSTER PL. — NAALAE GULCH BR. — KAONOULU BRIDGE — WAPOLI ROAD

317 + 65 | 0 + 00 | 6 MP & ECB | 7 MP | 8 MP | 9 MP | 9.17 MP

5.18 mi. | 5.20 mi. | 5.26 mi. | 5.40 mi. | 5.57 mi. | 5.63 mi. | 5.70 mi. | 5.89 mi. | 5.98 mi. | 6.00 mi. | 6.03 mi. | 6.09 mi. | 6.49 mi. | 6.56 mi. | 6.59 mi. | 6.63 mi. | 6.93 mi. | 6.96 mi. | 6.98 mi. | 7.09 mi. | 7.23 mi. | 7.26 mi. | 7.42 mi. | 7.47 mi. | 7.81 mi. | 7.86 mi. | 7.90 mi. | 7.97 mi. | 7.98 mi. | 8.15 mi. | 8.38 mi. | 8.39 mi. | 8.54 mi. | 8.60 mi. | 8.78 mi. | 8.95 mi. | 9.13 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '12 VIDEOLOG & '12 FEATURES DATABASE.
END ROUTE 377 ON KEKAULIKE AVENUE AT THE EAST EDGE OF PAVEMENT OF KULA HIGHWAY (RTE 37)
*9.14 mi.

SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

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' – 8' GRASS | 4'AC / 10'–18' GRS | 4' AC / 4' – 8' GRASS

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

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

A | C | A | B | A | D | D | A | B | A | B | A | D | A | A | B | A | D | A | A | D | C | A | B | A | A | C | A | C | C | DF

Superelevation (Range)

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

D | C | D | E | D | C | D | E | F

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: SMALL URBAN (99998)

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

Speed: 1–Design, 2–Posted 30 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

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

HPMS Sections – AADT 2013 2,700 | 1,100

HPMS Sections – AADT 2012 2,410 | 1,100

HPMS Sections – AADT 2011 2,300 | 1,300

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–0377(4) 1994 RESURFACE
377A–01–85M 1985 RESURFACE
JOB #5569 1952 RESURFACE
FAP – 5B 1929, 1933
FAP–E–13A 1932
RS–0377(2) 1987 IMPROVEMENTS
FAP–E–13A 1932
FAP – 13A 1932, 1934
BF–037–1(1) 1962

SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

Date Released
Oct 2004 GN

Revised	
FEB., 06	D.B.
Nov., 06	D.B.
Dec. 09	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	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
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FEDERAL HIGHWAY ADMINISTRATION

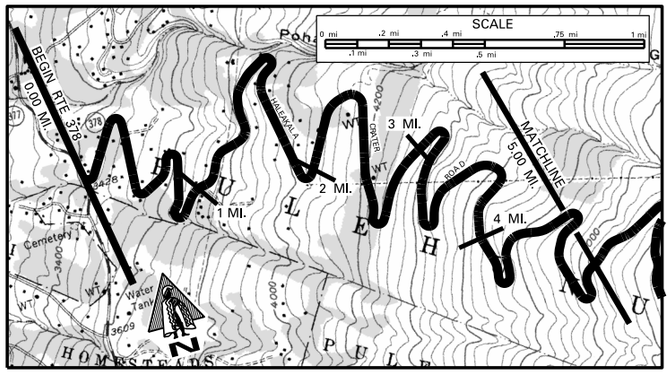
Total Route Length: 10.11 miles

a. Survey Length: 10.11 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

0.02 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; OPEN PASTURE 1000' ACROSS

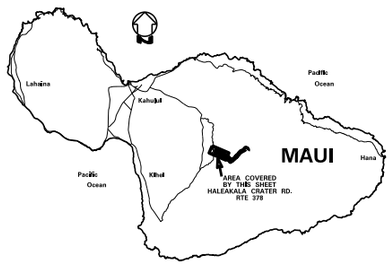
Right of Way Fence: Type – Right and Left — W. F. = WIRE FENCE; W. F.; 1.49 1.54 WOOD FENCE

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

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

Project No., Type of Construction, and Year Constructed (STP-0377(005), 2012 PREVENTIVE MAINT.) — STP-0378(003), 2012, PREVENTIVE MAINTENANCE

Project No., Type of Construction, and Year Constructed (378A-01-92M 1993, RESURFACE) — 378A-01-04M, RESURFACE, 2006



Road Diagram

* MP = Milepost Signage

BEGIN ROUTE 378 ON THE NORTH SPUR OF HALEAKALA CRATER ROAD AT THE EDGE OF PAVEMENT OF KEKAULIKE AVE (RTE 377) 0.00 mi.

SPUR AND M.P. 0.03 mi. — PALENA PLACE 0.10 mi. — 3500' ELEV. Sign 0.31 mi. — PONI MOI PLACE 0.33 mi. — CULVERT 1.06 mi. — CULVERT 1.21 mi. — 4000' ELEV. Sign 1.79 mi. — CULVERT 2.05 mi. — CULVERT 2.44 mi. — CULVERT 2.53 mi. — CULVERT 2.81 mi. — CULVERT 2.87 mi. — CATTLE GUARD 2.94 mi. — CULVERT 2.97 mi. — CULVERT 4.04 mi. — CULVERT 4.24 mi. — CULVERT 4.43 mi.

HALEAKALA CRATER ROAD

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

Divided Highway – Undivided

- Shoulder: Width and Type — 2'–4' AC; 4' – 6' GRASS; 4' – 6' GRASS; 2' AC
- Pavement: Width and Type — 22' AC (12' AC SHLR. & BIKE PULL OUT) (12' AC SHLR. & BIKE PULL OUT)
- Shoulder: Width and Type — 2'–4' AC; 4' – 6' GRASS; 2' 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 – 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)

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

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

Illumination: Type, Location and Number — NONE

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: — RURAL (99999)

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year) — B74 0378 00000

HPMS Sections – AADT 2013 — 1,500

HPMS Sections – AADT 2012 — 1,807

HPMS Sections – AADT 2011 — 1,700

DOD Sections

Census Tracts

Functional Classification — MAJOR COLLECTOR (5)

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

Previous Projects: Project No., Date and Limits

0.02 378A-01-00MR 2003 MAINTENANCE & REPAIRS; 378A-01-92M 1993 RESURFACE

0.04 (STP-0377(4) 1994 RESURFACE)

0.03 370A-02-67 1967; 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

Date Released
Oct 2004 GN

Revised	
Nov., 06	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.

ROAD INVENTORY

MAUI RTE 378
HALEAKALA CRATER ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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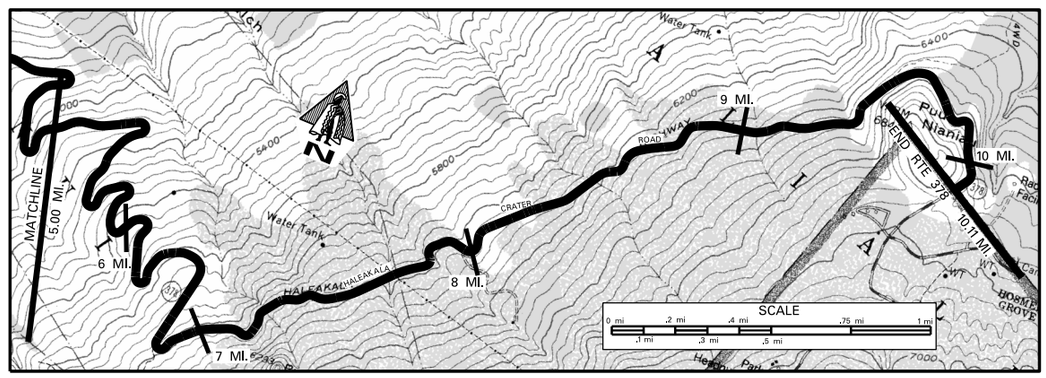
Total Route Length: 10.11 miles

a. Survey Length: 10.11 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 (10.11)

Structure Carrying Road

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

97′ — PRESTRESSED BEAM 1934 (1970) H15 — 56′

Vertical Clearance

Horizontal Clearance

27′ — 27′

Structure Over Road

Vertical Clearance

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)

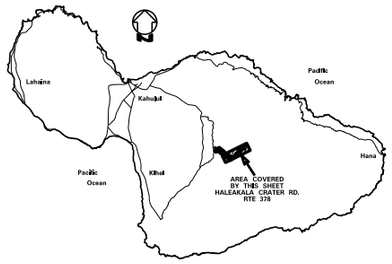
S T A T E — @ END PROJECT (877 + 00) (378A–01–92M, 1993, RESURFACE) (10.11)

Project No., Type of Construction, and Year Constructed

378A–01–04M, RESURFACE, 2006 (10.10)

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 ×3 — CULVERT — CULVERT — CULVERT — LOOKOUT CULVERT — CULVERT — POHAKUOKALA BRIDGE — CATTLE GUARD CULVERT — WAHALE BRIDGE — CULVERT — CATTLE GUARD — 6500′ ELEVATION SIGN — CULVERT — CATTLE GUARD @ CENTERLINE CATTLEGUARD (877 + 20)

HALEAKALA CRATER ROAD

(833 + 80)

6 MP | 7 MP | 8 MP | 9 MP | 10.19 MP | 10.19 MP

5.06 mi. | 5.13 mi. | 5.20 mi. | 5.33 mi. | 5.93 mi. | 6.21 mi. | 6.64 mi. | 6.88 mi. | 6.93 mi. | 7.22 mi. | 7.26 mi. | 7.45 mi. | 7.67 mi. | 7.91 mi. | 8.25 mi. | 8.27 mi. | 8.47 mi. | 8.89 mi. | 9.21 mi. | 9.30 mi. | 9.42 mi. | 9.90 mi. | 9.87 mi. | 10.11 mi. | 10.07 mi.

END RTE 378 ON HALEAKALA CRATER RD. AT THE NAT'L PARK BDRY @ THE CATTLE GUARD NEAR THE "END STATE HWY SIGN".

**10.11 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '92 VIDEOLOG & '92 FEATURES DATABASE.

SCALE: (In Miles) 4" = 1 mile

5 | 6 | 7 | 8 | 9 | 10

Divided Highway — Undivided

Shoulder: Width and Type

2′ AC — 6.92 — 6.96 — 2′ AC

Pavement: Width and Type

(12′ AC SHLR & BIKE PULL OUT) — 22′ AC

Shoulder: Width and Type

2′ AC — 10.11 mi.

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 ARE METAL ON METAL

5.23 | 5.32 | 5.39 | 5.49 | 5.76 | 5.82 | 7.11 | 7.18 | 7.26 | 7.27 | 7.31 | 7.36 | 7.38 | 7.48 | 7.66 | 7.72 | 7.87 | 7.90 | 8.03 | 8.07 | 8.42 | 8.89 | 9.21 | 9.28 | 9.43 | 9.54 | 9.62 | 9.74 | 9.99 | 10.05

Illumination: Type, Location and Number

N O N E

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

C D B A F A C A D EDA F EB F D A F E D F E A E m A F EA CA EF D AD AB A B F A F E A BA C A DE D A E F A CA B E A D A F A CA EA

5.04 | 5.12 | 6.86 | 7.50 | 7.88 | 8.07 | 9.95

Superelevation (Range)

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

D E D E C B D E C D E D E

2.38 | 6.95 | 8.54 | 8.63 | 8.82 | 9.07 | 9.33

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL (99999)

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

MOUNTAINOUS (3)

Speed: 1–Design, 2–Posted

30 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

B74 0378 00000 — 2,700 — B74 0378 00770

HPMS Sections – AADT 2013

1,500 — 1,737

HPMS Sections – AADT 2012

1,807 — 1,669

HPMS Sections – AADT 2011

1,700 — 1,730

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) — 8.60 — 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.
Feb 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.

ROAD INVENTORY

MAUI RTE 380
DAIRY ROAD, KUIHELANI HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

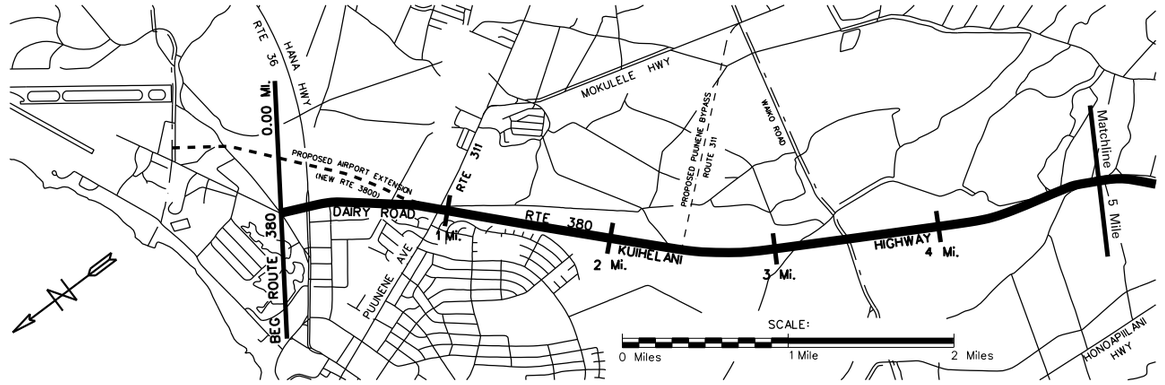
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length: 6.17 MILES (a+b)
- a. Existing Length: 6.17 MILES
- b. Proposed Length: 0.00 MILES

Total Travel Way Length: 6.17 MILES (a+b, less c)
- a. Existing Length: 6.17 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 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
- 61', Tee Beam, HS–20, 1970
- 77', Culvert, HS–20, 1970
- 25', Precast Conc Plank, HL–93, 2003
- 60', Precast Prestressed Conc Beam, HL–93, 2003
- 78', 3 Span Culvert, HL–93, 2003

Vertical Clearance: 3.12
Horizontal Clearance: 44' / 36' / 44' / 36' / 44' / 36'

Structure Over Road

Vertical Clearance: 3.11 / 4.12 / 4.37
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 3.45 | CLEAR 1000' – SUGAR CANE 30' FROM PAVEMENT

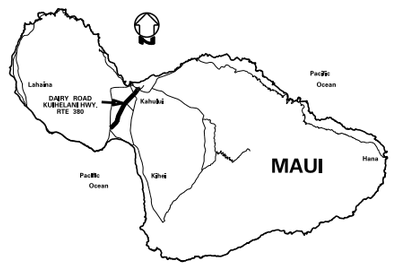
Right of Way Fence: Type – Right and Left: WOOD/CONC. 3.75 | METAL ON WOOD 4.40

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–0900(080), PREVENTIVE MAINTENANCE, 2014

Project No., Type of Construction, and Year Constructed: 380A–01–89M (R) 1990 | 270 + 80 0.38 | 276 + 80 0.98 | (NH–0380(9), (Widening) 2003 | NH–0380(11), PREV. MAINT., 2009



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

Begin Route 380 on Dairy Road at the South edge of pavement of Intersection with Haleakala Hwy and Keolani Place (Rte 36A).

Hana Hwy (Rte 36) 0.09 mi. | Kele St. 0.17 mi. | Alamaha St. 0.31 mi. | Ohekani St. (Mall Ent./Exit) 0.38 mi. | Maui Marketplace Dr. 0.48 mi. | Entrance/Exit (R) Mall Entrance/Exit 0.57 mi. | Hukilike St. 0.59 mi. | Begin DK, Hwy & Pakoula St. (L) 0.66 mi. | Puunene Ave. 0.74 mi. | Beg. Measured Mile 0.88 mi. | Parking Exit 0.96 mi. | 1.25 mi. | Telem. Sta. 380015 1.15 mi. | Cane Haul Rd. 1.22 mi. | 1 MP | 2 MP | 2.50 MP | End Measured Mile 1.45 mi. | Private Access 1.52 mi. | Maui Land Parkway 2.38 mi. | 1.68 mi. | 2 MP | 2.50 MP | 202 + 10 2.18 mi. | 2.22 mi. | 2.76 mi. | 3 MP | Paved Road 3.03 mi. | Waihee Ditch Br. 3.11 mi. (offset) | 3.12 mi. | 3.50 MP | 145 + 30 3.26 mi. | Waiko Road 3.47 mi. | Tractor Crossing & Cane Haul Rd. 3.62 mi. | 4 MP | 3.68 mi. | Waiakapu Stream Br. 4.13 mi. | 4.50 MP | Cane Haul Rd. 4.30 mi. | Kuihelani 3 Span Culvert 4.34 mi. | 4.38 mi. | 5 MP | Cane Haul Rd. 4.76 mi. | 4.89 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 | 4'–6' AC | 10' AC | 10'–25' AC | 10' AC

Pavement: Width and Type: 40' AC | 50' AC | 40' AC | 50' AC | 48' AC | 50' AC | 44' AC | 22' AC | 24' AC

Shoulder: Width and Type: 0 | 4'–6' AC | 0 | 8' AC | 10' AC | 0 | 4' AC | 10' AC

Median: Width and Type: 10' Painted AC | 10' Painted AC | 8'–14' Painted AC | 18' Grass | 14' Painted AC | 10' Grass | 18' Grass

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

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

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

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

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) (All 10' Turning Lanes): 10' (L) TL | 12' TL | 12' TL | 12' TL

(Right Side) (All 10' Turning Lanes): L TL | 12' TL | 12' TL | 12' TL

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

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

Curb and/or Gutter: Type (Right and Left): Conc. Curb | AC Curb | Conc. Curb | 2' Conc. Gutter | 2' Conc. Gutter

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number: M.V. | HPS | HPS

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban (99998)

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

Speed: 1–Design, 2–Posted: Not Posted | 30 MPH (2) | 45 MPH (2) | 45 MPH (2) | 55 MPH (2) | 45 MPH (2) | 55 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing: 3 Phase 2 Phase

Traffic Stations (Current Year): B74 0380 00000 | B74 0380 00096 | B74 0380 00237 | B74 0380 00345

HPMS Sections – AADT 2013: 34,700 | 22,600 | 16,680 | 17,366

HPMS Sections – AADT 2012: 31,473 | 21,900 | 16,164 | 16,394

HPMS Sections – AADT 2011: 32,147 | 15,600 | 19,544 | 16,768

DOD Sections

Census Tracts

Functional Classification: Major Collector (5) | Principal Arterial (3)

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

Previous Projects: Project No., Date and Limits
- NH–0380(9), (Widening) 2003
- 380A–01–89M (R) 1990 | 380A–01– 99M (R), 2000
- 380A–01–89M (R), 1990
- (FAP SC 1931) 3800A–01–81M 1981 (Resurf.) | S–0380(6) 1971
- DANG 8(1), 1945 County | 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
Feb. 12	DB
Sept 12	EPJ
Dec. 13	EPJ
July 14	DB

ROAD INVENTORY

MAUI RTE 380
KUIHELANI HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

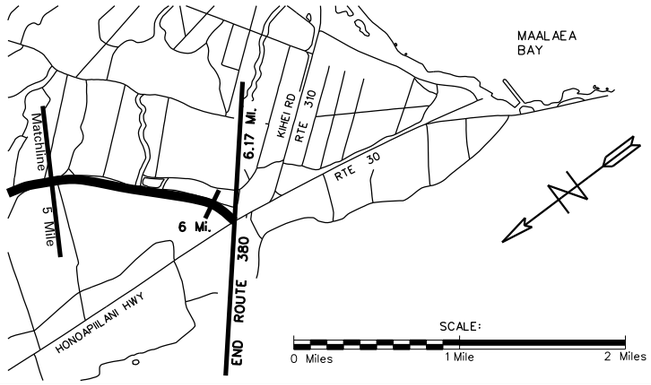
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length: 6.17 MILES (a+b)
- a. Existing Length: 6.17 MILES
- b. Proposed Length: 0.00 MILES

Total Travel Way Length: 6.17 MILES (a+b, less c)
- a. Existing Length: 6.17 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: ? 380 A (6.17 mi.) — END 380-A ON KUIHELANI HWY, 56' EAST OF THE EAST E/F ON HONOAPIILANI HWY.

Structure Carrying Road
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: 37' | SLAB 1970 HS-20 PRECAST, PRESTRESSED CONC. 47' | BEAM, HL-93, 2003
- Vertical Clearance
- Horizontal Clearance: 5.95 | 44' 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

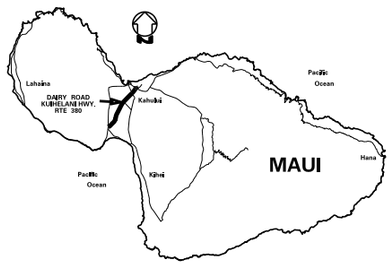
Right of Way Fence: Type – Right and Left

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

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

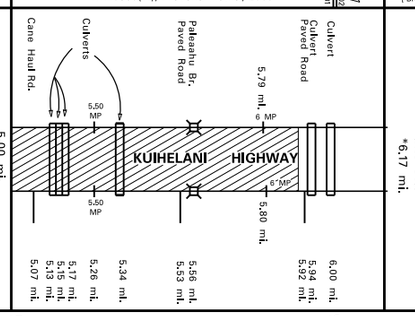
Project No., Type of Construction, and Year Constructed: NH-0900(080), Preventive Maintenance, 2014 (10+00 – 0+65)

Project No., Type of Construction, and Year Constructed: NH-0380(11), Prevent. Maint., 2009 (6.01 – 6.07) [BR-NH-030-1(24) (Widening) 2002]



Indicates Grass & / or Physical Barrier on Median.

Road Diagram



*NOTE: ROUTE LENGTH ADJUSTED TO MATCH '12 VIDEOLOG & '12 FEATURES DATABASE.
End Rte 380 on Kuihelani Hwy at the East edge of pavement of Honoapiilani Highway (Rte 30).
*6.17 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided
- Shoulder: Width and Type: 10' AC
- Pavement: Width and Type: 24' AC — 12' AC
- Shoulder: Width and Type: 10' AC — 0

Divided Highway
- Median: Width and Type: 18' Grass — 10'–18' AC (5.90 – 6.02) — 10' Painted AC
- Shoulder: Width and Type: 4' AC
- 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'

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

(Right Side): Double (L) TLs; Single (R) TL

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban (99998)

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

Speed: 1–Design, 2–Posted: 55 MPH (1) — 45 MPH (1) — Not Posted 35 MPH (1)

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

Traffic Stations (Current Year): B74 0380 00345

HPMS Sections – AADT 2013: 17,366

HPMS Sections – AADT 2012: 16,394

HPMS Sections – AADT 2011: 16,768

DOD Sections

Census Tracts

Functional Classification: Principal Arterial (3)

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

Previous Projects: Project No., Date and Limits:
- NH-0380(9) (Widening) 2003
- 380A-01-99M (R) 2000
- 380A-01-89M (R), 1990
- S-0380 (6), 1971
- S-038 (6), 1969

SCALE: (In Miles) 4" = 1 mile

Date Released
July 2002, DB

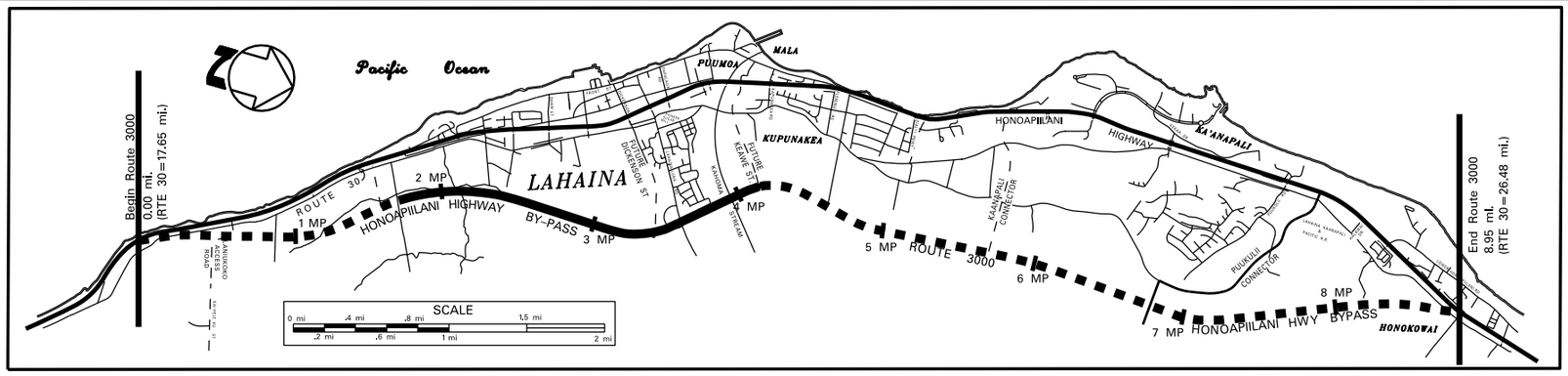
Revised	
Nov., 06	D.B.
Dec. 09	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.

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: 2.32 miles
b. Proposed Length: 6.63 miles
c. Other Length: * 0.00 miles
*



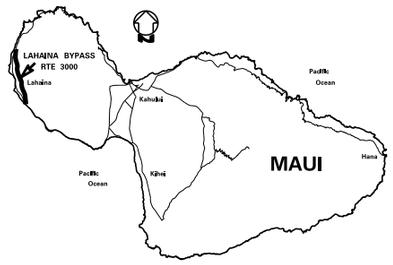
SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

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

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

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



Road Diagram
* MP = Milepost Signage

SCALE: (In Miles) 2" = 1 mile

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

- Number of Traffic Lanes
- Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
- (Right Side)
- Frontage Road: No. of Lanes, and Width (Right and Left)
- Sidewalk: Width and Type (Right and Left)
- Curb and/or Gutter: Type (Right and Left)
- Protective Devices: Type, Location and Number
- Illumination: Type, Location and Number
- Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)
- Superelevation (Range)
- Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)
- Vertical Curve: Crest or Sag, Curve Limits
- Area and Development:
- Terrain: 1–Flat, 2–Rolling, 3–Mountainous
- Speed: 1–Design, 2–Posted
- Intersection Control Devices: Type, Location and Cycle Timing
- Traffic Station
- HPMS Section – AADT
- HPMS Section – AADT
- HPMS Section – AADT
- DOD Sections
- Census Tracts
- Functional Classification
- National Highway System (NHS)
- Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 1 mile

Date Released
Dec 2004 JK

Revised	
Nov., 06	D.B.
Feb., 09	D.B.
Feb., 11	D.B.
Feb., 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.

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

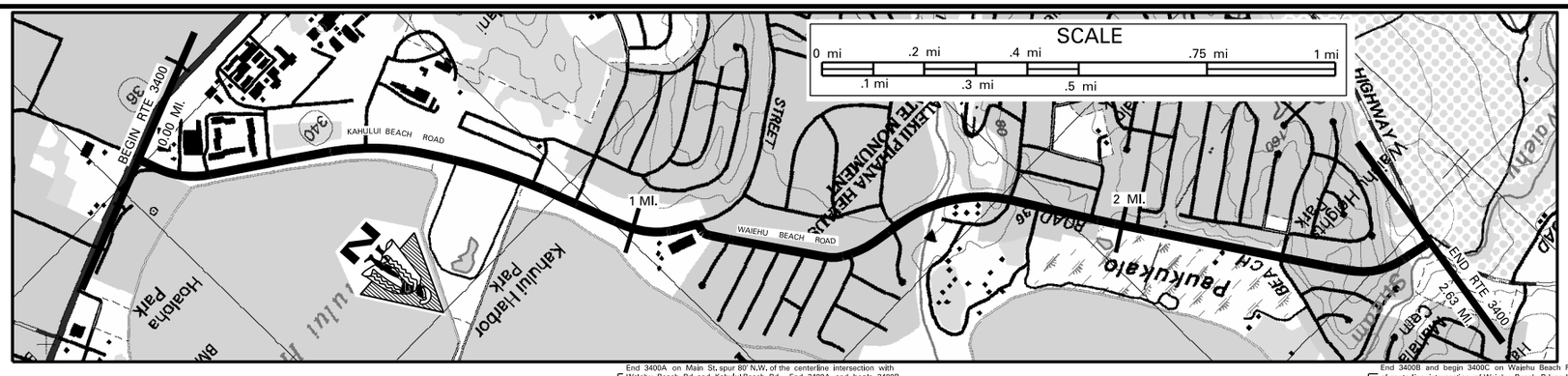
Total Route Length: 2.63 miles

a. Survey Length: 2.63 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

0 | 1 | 2 | 3

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 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. — 3400B (1.46 MI) — 2.61 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. — 3400C (0.01 MI)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: TEE BEAM 1953 H20 182'

Vertical Clearance: 28'

Horizontal Clearance:

Structure Over Road

Vertical Clearance:

Horizontal Clearance:

Right of Way Width (min.–max.) if varies: 120' | 0.51 | 80' – 200' | 1.97 | 70' – 240'

Available Right of Way Width (Needs Study): COMMERCIAL / RESIDENTIAL | 1.31 | 1.38 | 1.48 | BRUSH | 1.96 | 2.32 | SAND

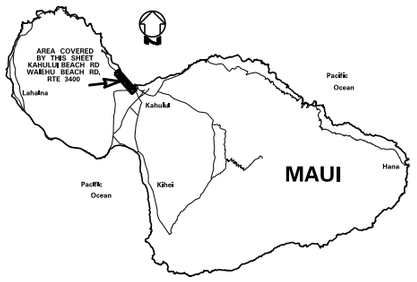
Right of Way Fence: Type – Right and Left: 1.17 | NONE

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): 3400AB–02–90 1992 IMPROVEMENTS | 30+10 | 38+10 | 8+80 | 38+84.08 | 4+00

Project No., Type of Construction, and Year Constructed: 3400A–01–07M, RESURFACING, 2009 | 1.13 | 1.14 | 3400B–01–10M, RESURFACE, 2011

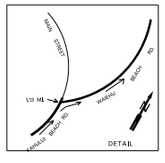
Project No., Type of Construction, and Year Constructed: 0.14 | 3400A–02–91 IMPROVEMENTS 1995 | 0.37 | HWY–M–05–04, IMPR, 2006 | 0.72 | 3400A–02–91 IMPROVEMENTS 1995 | 1.12 | 3400A–01–97 1998 | 1.37 | 3400B–01–97M 1998 RESURFACE (ALSO ROUTE 340) | 1.79 | 3400B–02–98 2 WAY (L) TLS | 2.11 | 3400B–01–97M 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 | KAHEE PLACE | WAHINEPIO AVE. | SMALL BOAT HARBOR ROAD | KANALOA AVE. | NISEI MEMORIAL CENTER ACCESS | MAIN ST. | ELUENE ST. | KANAALU PL. | LINEKONA PLACE END DIVIDED | KAKOO STREET | KALANA PLACE | UKALI ST. BEGIN DIVIDED | EHA ST. | IAO BRIDGE END DIVIDED | BEGIN DIVIDED | KUKONA PL. END DIVIDED | KUHIO PL.(L) KAAE RD.(R) | KEALIHI DR. BEGIN DIVIDED | MAKAALA DR. END DIVIDED | WAILUPE DR. BEGIN DIVIDED | WAILUPE DR. END DIVIDED | WAILUKU URBAN BOUNDARY

54+25 | 35+00 | 35+60 | 35+30 | PAVED ROAD | NUKUWAI PLACE | LOWER WAIEHU BEACH RD. | 2.6 MP

KAHULUI BEACH ROAD — WAIEHU BEACH ROAD

0.09 mi. | 0.27 mi. | 0.46 mi. | 0.63 mi. | 0.88 mi. | 1.02 mi. | 1.06 mi. | 1.13 mi. | 1.20 mi. | 1.25 mi. | 1.29 mi. | 1.30 mi. | 1.35 mi. | 1.40 mi. | 1.44 mi. | 1.47 mi. | 1.54 mi. | 1.60 mi. | 1.62 mi. | 1.70 mi. | 1.78 mi. | 1.79 mi. | 1.84 mi. | 1.94 mi. | 1.97 mi. | 2.00 mi. | 2.03 mi. | 2.10 mi. | 2.26 mi. | 2.32 mi. | 2.38 mi. | 2.58 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '12 VIDEOLOG & '12 FEATURES DATABASE.

*2.63 Mi.

END ROUTE 3400 ON WAIEHU BEACH ROAD AT THE CENTERLINE JUNCTION WITH KAHEKILI HIGHWAY ALONG THE WAILUKU URBAN BOUNDARY.

SCALE: (In Miles) 4" = 1 mile

0 | 1 | 2 | 3

Divided Highway

Undivided

Shoulder: Width and Type: 4' AC | 6' AC | 11' AC | 4' – 6' AC | 6' AC | 10' AC | 6' AC

Pavement: Width and Type: 12' AC | 36' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 35' AC | 12' AC | 24' AC | 12' AC | 24' AC

Shoulder: Width and Type: 0' | 0' | 2' AC | 0' | 0' | 4' – 6' AC | 0' | 4'–6' AC | 0' | 6' | 0' | 6' AC | 0' | 10' AC | 6' AC

Median: Width and Type: 6'–24' GRASS W/CURB | 0'–12' PAINT | 12' GRASS (FLUSH) | 0'–12' PAINT | 12' GRASS (FLUSH) | 0'–12' PAINT | 11' PAINTED AC | 0'–8' PAINT | 11' PAINT | 11' PAINT | 10' PAINT

Shoulder: Width and Type: 0' | 2' AC | 0' | 2' AC | 0' | 0' | 0' | 0' | 0' | 0' | 0'

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

Shoulder: Width and Type: 4' AC | 6' AC (6' BIKE LANE) | 6' AC | 11' AC | 4' – 6' AC | 6' AC | 6' AC | 10' AC

Number of Traffic Lanes: 3–12' | 4 – 12' | 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): 4' CONC.

Curb and/or Gutter: Type (Right and Left) T.S. = TRIANGULAR SWALE C. & G. = CURB & GUTTER B.C. = BITUMINOUS CURB L.D.D. = LINED DRAINAGE DITCH: T. S. | C. & G. | L. D. D. | B. C. | B. C. | M/M

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number: MV | MV | MV | MV | M/M | M/M | M/M

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: SMALL URBAN (99998)

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

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

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

Traffic Stations (Current Year): B74 3400 00000 | B74 3400 00046 | B74 3400 00113 | B74 3400 00232

HPMS Sections – AADT 2013: 30,900 | 33,300 | 9,600 | 7,200

HPMS Sections – AADT 2012: 31,927 | 29,919 | 11,646 | 6,928

HPMS Sections – AADT 2011: 30,800 | 28,900 | 11,200 | 6,700

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)

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 | 1.51 | 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.
Feb 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	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

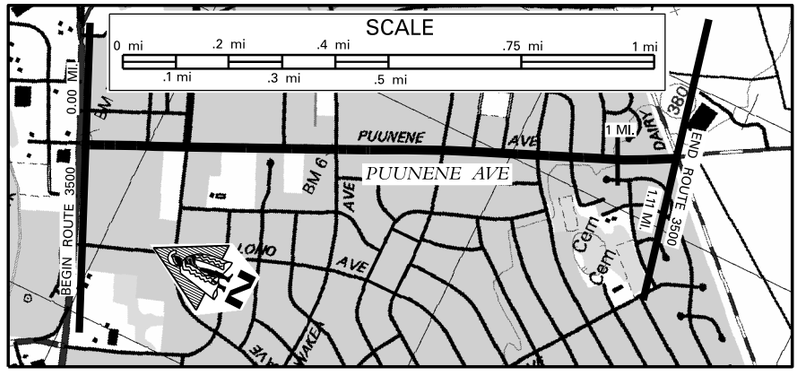
Total Route Length: 1.11 miles

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

0.01 Begin 3500A on Puunene Avenue 85' S. of centerline with Kaahumanu Avenue.

End 3500A on Puunene Avenue 10' from the S.E. edge of pavement of Kuihelani Hwy.

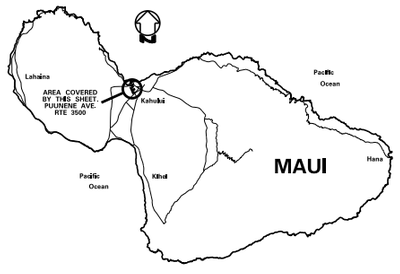
Structure Carrying Road

- 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
- Right of Way Fence: Type – Right and Left: 0.24 CHAINLINK 0.43; 0.86 TILE 0.92; 0.95 CHAINLINK 1.00 CHAINLINK
- Control of Access: 1–None, 2–Partial, 3–Full
- Jurisdiction, Transfer Phase No. and Date (C to S or S to C): 37+30 STATE 94+80 1.09
- Project No., Type of Construction, and Year Constructed: 3500A–01–08M, RESURFACE, 2011
- Project No., Type of Construction, and Year Constructed: STP–3500(5) 1996 RESURFACE 0.47; HES–STP–3500(3) 1996 IMPROVEMENT 0.78; STP–3500(5) 1996 RESURFACE



Road Diagram

* MP = Milepost Signage

0.00 MI. (+ FAR EDGE OF PAV'T) BEGIN ROUTE 3500 ON PUUNENE AVENUE AT THE SOUTHEAST EDGE OF PAVEMENT WITH KAAHUMANU HIGHWAY (ROUTE 32)

BEGIN DIVIDED 0.10 mi. — END DIVIDED 0.14 mi. — KAMEHAMEHA AVE. 0.19 mi. (47+45) — HOLOLEA ST. 0.38 mi. — WAKEA AVE. 0.48 mi. (62+20) — E. KAUAI ST. 0.68 mi. — KUULA ST. 0.73 mi. — AIM ST. 0.79 mi. — PAPA AVE. 0.86 mi. (85+75) — E. HAWAII ST. 0.92 mi. — PUUKANI ST. 0.98 mi. — 1 MP 1.06 mi. 1.05 mi. — 1 MP

PUUNENE AVENUE

DAIRY ROAD *1.11 MI. (+ NEAR EDGE OF PAV'T) KUIHELANI HWY.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '12 VIDEOLOG & '12 FEATURES DATABASE.

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 2 3

Divided Highway

Undivided

- Shoulder: Width and Type: 0.04 (44' AC) 2' AC 0.45 4' AC 0.77 0.79 4' – 6' AC
- Pavement: Width and Type: (33' AC) 22' AC 44' AC 0.24 0.28 55' AC 0.36 44' AC 0.48 33' AC 0.53 22' AC 0.70 3.4 0.72 34' AC 0.77 3.4 34' AC 0.83 22' AC 0.98 11' AC 1.07 2.4 AC
- Shoulder: Width and Type: 2'–4' AC 0' 2' AC 4' AC 0.73 4' – 6' AC 0'

Divided Highway

- Median: Width and Type: 0.10 (0' – 10' PAINT) 0.14 0.73 (22' AC) 0.98 — 0'–30' TREES AND GUARDRAILS (L & R)
- Shoulder: Width and Type: 0' 0'
- Pavement: Width and Type: 22' AC 2 AC 22' AC 1.07 2.4
- Shoulder: Width and Type: 4' – 6' AC 1.13 AC

- Number of Traffic Lanes: 1–11' 2–11' 0.04 0.04 4 – 11' 0.48 2–11' 1–11' 0.53 0.53 2 – 11' 1.00 2–11' 2–12'
- Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 11' 0.04 0.19 10' 0.14 0.24 0.26 0.38 11' 0.48 11' 0.50 0.53 0.68 12' 0.86 12' 0.94 13' 1.00 2–11' 1.07
- (Right Side): 0.14 10' 0.24 0.48 11' 0.53 0.68 12' 0.86 12' 0.94 13' 1.00 11'
- Frontage Road: No. of Lanes, and Width (Right and Left): 0.48 0.54 0.73 0.77 0.79 0.83 1.02
- 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; 0.93
- 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 0.97 M / M
- Illumination: Type, Location and Number: 18 MV
- Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62): A 0.09 B 0.11 A
- Superelevation (Range)
- Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45): A 0.56 B
- Vertical Curve: Crest or Sag, Curve Limits
- Area and Development: SMALL URBAN (99998)
- Terrain: 1–Flat, 2–Rolling, 3–Mountainous: FLAT (1)
- Speed: 1–Design, 2–Posted: 30 MPH (2)
- Intersection Control Devices: Type, Location and Cycle Timing: 0.01 4 PHASE TRAFFIC LIGHT 0.46 3 PHASE 0.56
- Traffic Stations (Current Year): B74 3500 00000 — B74 3500 00046
- HPMS Sections – AADT 2013: 15,022 — 26,500
- HPMS Sections – AADT 2012: 14,558 — 25,903
- HPMS Sections – AADT 2011: 14,100 — 25,000
- 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
- 0.00 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.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 12	E.P.J.
July 14	D.B.

ROAD INVENTORY

MAUI RTE 3800
PROPOSED AIRPORT EXTENSION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

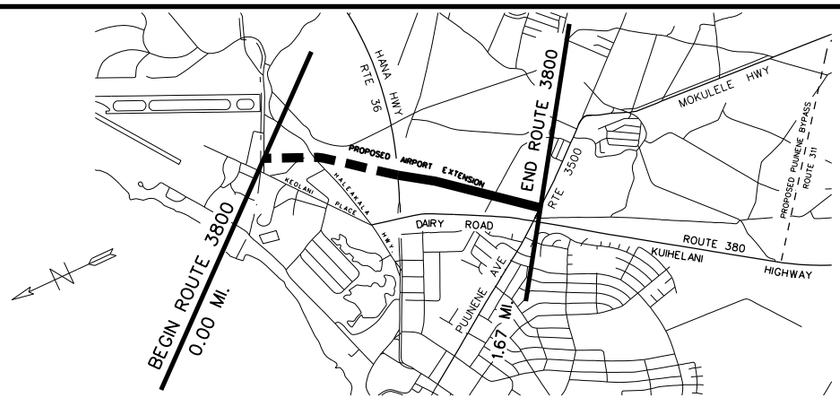
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length: 1.67 MILES (a+b)
- a. Existing Length: 1.08 MILES
- b. Proposed Length: 0.59 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 _____



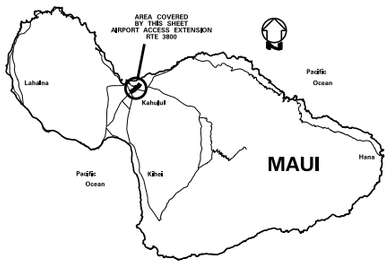
SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

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

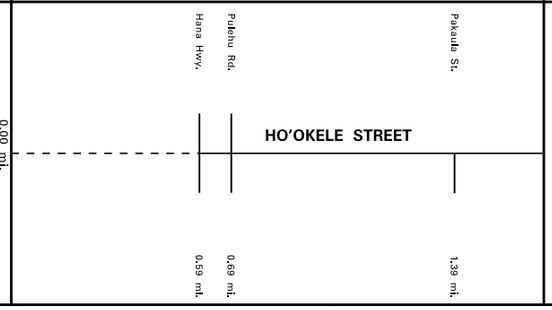
Structure Over Road
- Vertical Clearance
- Horizontal Clearance

- 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

Begin Route 3800 on Proposed Road at the Kahului Airport Boundary. 0.00 mi.



END ROUTE 3800 ON HO'OKELE STREET AT NORTHEAST EDGE OF PAVEMENT WITH PUUNENE AVENUE (RTE 311) 1.67 mi.

SCALE: (In Miles) 4" = 1 mile

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 Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)
- Superelevation (Range)
- Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)
- Vertical Curve: Crest or Sag, Curve Limits
- Area and Development: Small Urban (99998)
- Terrain: 1–Flat, 2–Rolling, 3–Mountainous
- Speed: 1–Design, 2–Posted
- Intersection Control Devices: Type, Location and Cycle Timing
- Traffic Station: B74 3800 00000
- HPMS Sections – AADT
- HPMS Sections – AADT
- HPMS Sections – 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) 4" = 1 mile

Date Released
July 2002, DB

Revised	
FEB.,06	D.B.
Nov., 06	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 14	E.P.J.

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

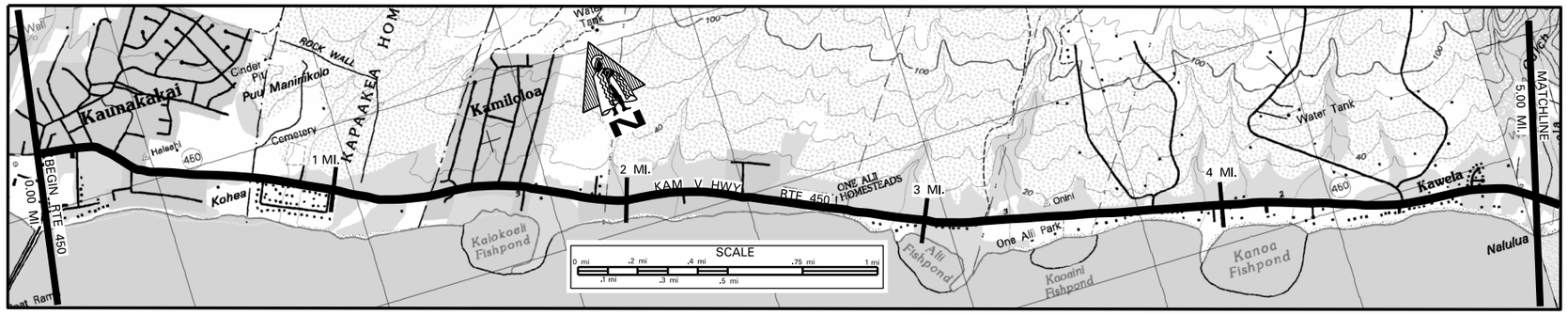
Total Route Length: 27.50 miles

a. Survey Length: 27.50 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

0.02 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') | SLAB 1940 H20 (23')

Vertical Clearance

Horizontal Clearance — 26' | 26'

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 | TREES AND BUSHES (FEW HOMES) (3.46)

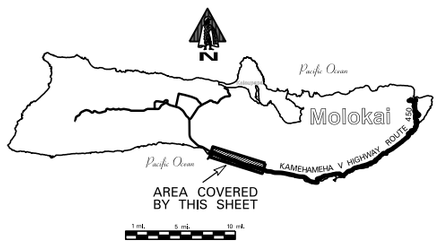
Right of Way Fence: Type – Right and Left — WIRE ON WOOD 15' FROM PAVEMENT (3.36) | WIRE ON WOOD 15' FROM PAVEMENT

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C) — STATE (1+80 to 205+00)

Project No., Type of Construction, and Year Constructed — 450A–01–08M, RESURFACE, 2009

Project No., Type of Construction, and Year Constructed — 0.01 450AB–01–01M 2001 RESURFACE 1.89 | STP–0450(6) 1996 RESURFACE 3.88



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. 0.13 mi. | KAMOI ST. 0.19 mi. | AELOA ST. 0.25 mi. | KAUNAKAKAI SCH. 0.29 mi. | OKI PLACE 0.33 mi. | ROAD TO "DUKE MALU" PARK 0.47 mi. | ALANUI KAIMI IKE EDUCATION CTR. 0.70 mi. | KAPAAKEA LOOP 0.77 mi. | CULVERT 0.85 mi. | KAPAAKEA CEMETERY 0.89 mi. | CULVERT 0.90 mi. | KAPAAKEA LOOP 1.00 mi. | CULVERT 1.20 mi. | HOTEL ENT. 1.34 mi. | KAMILOLOA HOTEL ENT. 1.41 mi. | PLACE 1.43 mi. | AAHI ST. 1.48 mi. | CULVERT 1.52 mi. | ILIAHI PLACE 1.56 mi. | CULVERT 1.62 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. | CULVERT 2.39 mi. | PANO PLACE 2.47 mi. | KAM V HWY | ONEALII PARK #1 3.01 mi. | MAKANUI RD. 3.34 mi. | MAKAKUPAIA BRIDGE 3.77 mi. | 3.94 mi. | HOOULU PL. 4.02 mi. | CULVERT 4.30 mi. | ULUANUI RD. 4.60 mi. | 4.66 mi. | KAMAKANA PLACE 4.83 mi. | 5.00 mi.

0 MP | 1 MP | 2 MP | 3 MP | 4 MP | 5 MP

17+60 | 53+40 | 90+00 | 126+30

5.00 mi.

CONTINUES ON SHEET #2

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type — 6' AC (0.25) | 12' AC (1.00) | 6' AC (1.80) | 4' AC

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

Shoulder: Width and Type — 6' AC | 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' (1.80) | 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) — 6' BP (0.27 – 1.01)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number — MERCURY VAPOR (1.00 – 1.48) | MERCURY VAPOR (2.37 – 2.46) | 1 MV (2.48 – 2.80) | 1 MV (3.25 – 3.92) | (3.96)

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62) — A | BA (0.18 – 0.24) | B (0.24 – 0.42) | A

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45) — A | B (1.88 – 2.00) | A | B (2.96 – 3.10) | A | B (4.17 – 4.23) | A

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: — RURAL (99999)

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

Speed: 1–Design, 2–Posted — 35 MPH (2) NOT POSTED (0.47) | 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year) — B75 0450 00000 | B75 0450 00134 | B75 0450 00189

HPMS Sections – AADT 2013 — 5,900 | 4,600 | 2,694

HPMS Sections – AADT 2012 — 7,430 | 4,724 | 2,610

HPMS Sections – AADT 2011 — 7,200 (1.34) | 4,985 (1.89) | 2,500

DOD Sections

Census Tracts

Functional Classification — MAJOR COLLECTOR (5)

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

Previous Projects: Project No., Date and Limits

1.28 STP–0450(7) 1998 1.79

HWY–M–06–06M 1997 1.80 | HWY–M–02–90 1991 SHOULDER IMPROVEMENT 3.63

RS–0450(4) 1988 RESURFACE | RS–0450(1) 1979 RESURFACE

0.51 450A–01–72 1972 RESURFACE 1.99

COUNTY 1.00 1.90 | FAS 2A 1940 | FAS 2A(1) 1938

SCALE: (In Miles) 4" = 1 mile

Date Released
Oct 2004 GN

Revised	
Nov., 06	D.B.
Dec.09	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	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

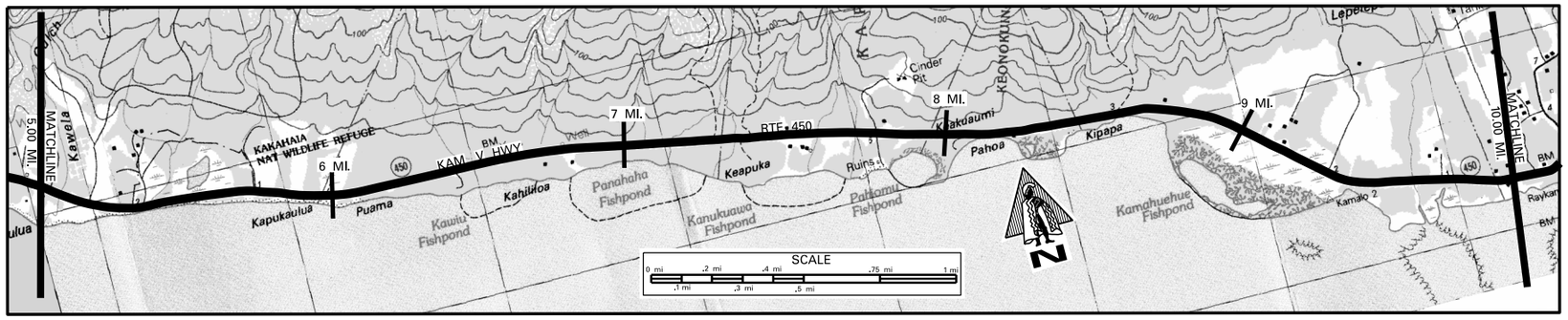
Total Route Length: 27.50 miles

a. Survey Length: 27.50 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 2014 H15 56'

PRESTRESSED CONCRETE SLAB 1981 HS-20-44 43'

Vertical Clearance

Horizontal Clearance

26'

28'

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

5.52 WIRE ON WOOD 15' FROM PAVEMENT — 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)

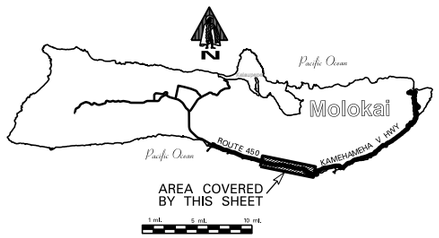
STATE

Project No., Type of Construction, and Year Constructed

5.04 (BR-0450(8) 2014 BRIDGE REPLACEMENT) 5.18 — 7.17 450AB-01-01M 2001 RESURFACE 7.91 — STP-0450(9) GAURDRAIL AND SHOULDER IMPROVEMENTS 2013

Project No., Type of Construction, and Year Constructed

5.04 STP-0450(6) 1996 RESURFACE 7.38 — 7.38 STP-0450(7) 1998 7.84



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #1

5.00 mi.

KAWELA BRIDGE — ONOMI DR. — CULVERT — CULVERT — CULVERT — CULVERT — CULVERT — CULVERT — CULVERT — FORD — CULVERT — PROJ. MARKER — CULVERT — CULVERT — CULVERT — KAMALO BRIDGE — CULVERT — CULVERT

KAMEHAMEHA V HIGHWAY

5 MP — 6 MP — 9 MP

5.00 mi. 5.10 mi. 5.21 mi. 5.41 mi. 5.52 mi. 6.01 mi. 6.18 mi. 6.44 mi. 7.14 mi. 7.27 mi. 7.75 mi. 7.95 mi. 8.15 mi. 8.35 mi. 8.51 mi. 8.71 mi. 9.02 mi. 9.63 mi. 9.84 mi. 9.91 mi. 9.98 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 GRASS UNLESS NOTED — (4' AC) 10' AC — 4' AC

Pavement: Width and Type — (22' AC) 24' AC — 22' AC — 7.14 — 20' AC

Shoulder: Width and Type GRASS UNLESS NOTED — (4' AC) 10' AC — 4' AC

5.04 5.18

Divided Highway

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes — (2 – 11') 2 – 12' — 2 – 11' — 7.14 — 2 – 10'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — 5.04 5.18 — 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

5.15 5.04 5.04 6.17 6.21 6.44 6.47 7.11 7.15 7.25 7.38 9.63 9.91

Illumination: Type, Location and Number

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

A — 9.38 C 9.46 A 9.89 B 9.95 A

Superelevation (Range)

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

A — 6.44 B 6.60 A 7.04 B 7.27 A 7.48 B 7.84 A 8.46 B 8.54 A 9.92 B

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (99999)

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

FLAT (1) — 6.14 — 6.27 — ROLLING (2) / FLAT (1) — 8.52 — 8.71 — FLAT (1) / 35 MPH (1) / 35 MPH (2)

Speed: 1–Design, 2–Posted

35 MPH (2) — 6.39 — 45 MPH (MIN. 35 MPH) (2) — 8.72

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

B75 0450 00189 — B75 0450 00522 — B75 0450 00784

HPMS Sections – AADT 2013

2,694 — 1,200 — 1,347

HPMS Sections – AADT 2012

2,610 — 1,406 — 1,305

HPMS Sections – AADT 2011

2,500 — 5.22 — 1,300 — 7.84 — 1,300

DOD Sections

Census Tracts

Functional Classification MAJOR COLLECTOR (5)

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

Previous Projects: Project No., Date and Limits

7.17 HWY-M-06-96M 1997

7.14 RS-0450(1) 1979 RESURFACE — 450AB-01-89M 1990 RESURFACE

FAS 2A 1940 — 7.13 — STA. 399+56 — 7.28 — S-2(2) — STA. 430+25 — STA. 0+00 — 8.14 — 450AB-01-76M 1976 RESURFACE

FAS 2A(1) 1938 — 1947 — COUNTY

Date Released
Oct 2004 GN

Revised	
Aug., 06	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	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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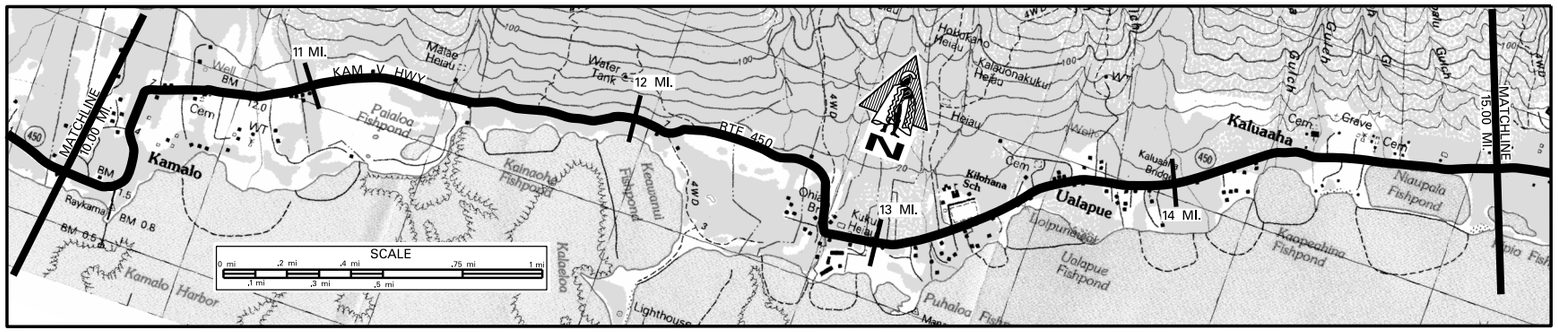
Total Route Length: 27.50 miles

a. Survey Length: 27.50 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

Horizontal Clearance

18′ — 21′

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 — WIRE

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

11.39 NONE 13.03

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

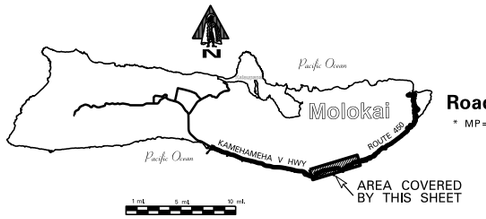
STATE

Project No., Type of Construction, and Year Constructed

STP-0450(9) GAURDRAIL AND SHOULDER IMPROVEMENTS 2013 — 11.34 — 450B-01-02M RESURFACE

Project No., Type of Construction, and Year Constructed

450AB-01-01M RESURFACE 2001 — 11.39 — 2003



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #2

10.00 mi.

KAMALO WHARF ROAD — KAMALO CULVERT — FORD — CULVERT — CULVERT — OHIA BRIDGE — HAW'N TEL. SUBSTATION — Road to WAVECREST RESORTS — KILOHANA SCHOOL — UALAPUE PLACE — KALUAAHA BRIDGE — KEALANUI OHINA PL.

KAMEHAMEHA V HIGHWAY

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

10.00 mi. | 10.13 mi. | 10.10 mi. | 10.82 mi. | 11.01 mi. | 12.02 mi. | 12.12 mi. | 12.52 mi. | 12.81 mi. | 12.92 mi. | 12.98 mi. | 13.01 mi. | 13.18 mi. | 13.26 mi. | 13.42 mi. | 14.02 mi. | 14.13 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

4′ AC | 11.33 | 2′ – 4′ AC | 12.39 | 4′ AC / 2′ GRASS | 14.00 | 2′ – 4′ AC

Pavement: Width and Type

20′ AC | 10.15 | 18′ AC

Shoulder: Width and Type — ALL GRASS UNLESS NOTED

4′ AC | 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

2–10′ | 10.15 | 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 — 14.00 | 14.02 | 14.04 — METAL ON METAL

Illumination: Type, Location and Number

1 INCA.

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

A 10.09 | E 10.19 | AD 10.29 | C 10.37 | A 10.45 | F 10.60 | A 10.70 | B 10.82 | A 11.28 | B 11.33 | A 11.49 | BA 11.54 | B 11.59 | A 11.77 | C 11.77 | A 11.97 | D 11.92 | B 12.01 | D 12.11 | 12.19 | 12.35 | D 12.54 | A 12.79 | D 12.77 | ABE 12.87 | A 13.53 | B 13.80 | A 13.88 | CA 13.98 | B 14.02 | A 14.26 | BAD 14.58 | C 14.62 | A

Superelevation (Range)

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

B 10.66 | A 10.93 | B 11.08 | A 11.27 | B 11.63 | A 11.87 | B 11.88 | A 12.09 | B 13.24 | A 13.71 | B 14.28 | A

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL (99999)

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

10.74 — FLAT (1) — 13.59

Speed: 1–Design, 2–Posted

35 MPH (1) | 35 MPH (2) | 30 MPH (2) | 20 MPH (SCHOOL ZONE) | 20 MPH (SCHOOL ZONE) | 14.13 | 30 MPH (2)

13.12 | 13.95

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

B75 0450 00784 — B75 0450 01133 — B75 0450 01447

HPMS Sections – AADT 2013

1,347 — 1,261 — 991

HPMS Sections – AADT 2012

1,305 — 1,187 — 973

HPMS Sections – AADT 2011

1,300 — 11.23 — 1,253 — 14.47 — 1,026

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

450AB-01-89 1990 RESURFACE — 14.07

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 — 14.03 | 14.07 — 450B-01-80M 1980 RESURFACE

COUNTY

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.
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Dec. 13	E.P.J.
July 14	D.B.

ROAD INVENTORY

MOLOKAI RTE 450
KAMEHAMEHA V HIGHWAY

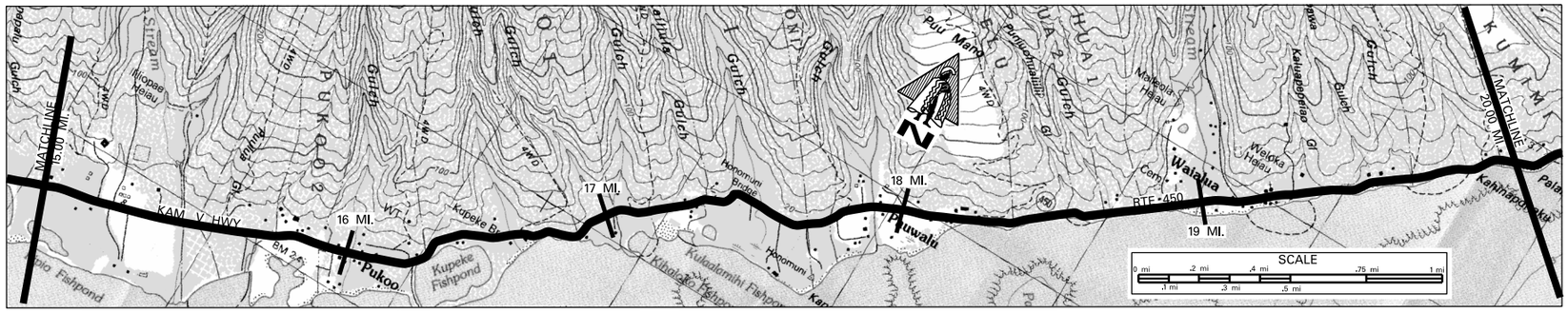
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 27.50 miles
a. Survey Length: 27.50 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

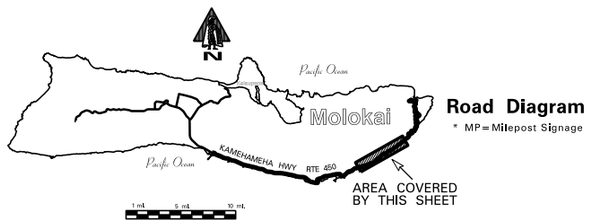
Right of Way Fence: Type – Right and Left WIRE ON METAL WIRE

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 | 450B-01-03M, RESURFACE, 2006 | (ER-12(4), BRIDGE REPLACEMENT, 2007) | 450B-01-03M, RESURFACE, 2006

Project No., Type of Construction, and Year Constructed
450B-01-94M RESURFACE 1996 | STP-0450(5) 1994 | COUNTY | 450B-01-88M 1988 (R)



Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET #3

15.00 mi.

MAPULEHU BRIDGE 15.03 mi. | BEACH PARK 15.49 mi. | FORD 15.71 mi. | KUPEKE BRIDGE 16.06 mi. 16.03 mi. | CULVERT 16.63 mi. | HONOMUNI BRIDGE 17.00 mi. 17.04 mi. | KAWAIKAPU BRIDGE 17.46 mi. | WAIALUA BRIDGE 17.89 mi. 18.02 mi. 18.99 mi. 19.02 mi.

KAMEHAMEHA V HIGHWAY 138+40

15 MP | 16 MP | 17 MP | 18 MP | 19 MP

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 | 4″ & 6″ GRASS | 0′ | 6′ GRASS | 0′ | 2′ – 6′ AC

Pavement: Width and Type 18′ AC | 16′ AC | 14′ BST | 14′ BP | 14′ – 18′ AC

Shoulder: Width and Type 2′ – 4′ AC | 6″ GRS | 0′ | 6′ – 8′ GRASS | 0′ | 6″ GRS | 2′ – 6′ AC

Divided Highway

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes 2–9′ | 2–7′ | 2 – 8′ | 2 – 7′ | 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

Illumination: Type, Location and Number

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)
A | BAC | A | DC | FE | A | AB | AE | D | CAF | DA | C | D | A | D | EB | A | C | A | CE | CB | AD | A | B | A | B | C | A | CE | D | B | AD | A | CB | D

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (99999)

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

Speed: 1–Design, 2–Posted 30 MPH (2) | (1) 20 MPH | 30 MPH (2) | 10 MPH (1) 20 MPH (1)

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 2013 991 | 529 | 529 | 290

HPMS Sections – AADT 2012 973 | 643 | 654 | 400

HPMS Sections – AADT 2011 1,026 | 678 | 678 | 396

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-01-03M, RESURFACE, 2006
450B-01-94M 1996 RESURFACE
STP-0450(5) 1994 GUARDRAIL AND SHOULDER IMPROVEMENTS
450B-01-80M 1980 RESURFACE | 450B-01-81M 1981 RESURFACE | 450B-01-87M 1987 RESURFACE
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.
Feb., 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.

ROAD INVENTORY

MOLOKAI RTE 450
KAMEHAMEHA V HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
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PREPARED BY THE
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FEDERAL HIGHWAY ADMINISTRATION

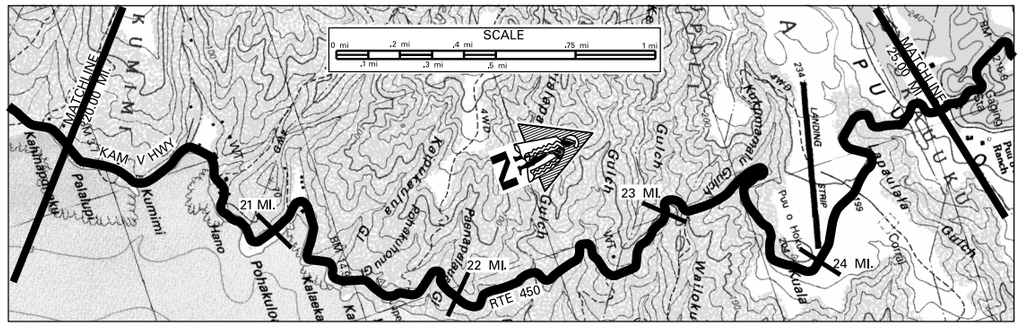
Total Route Length: 27.50 miles

a. Survey Length: 27.50 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

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

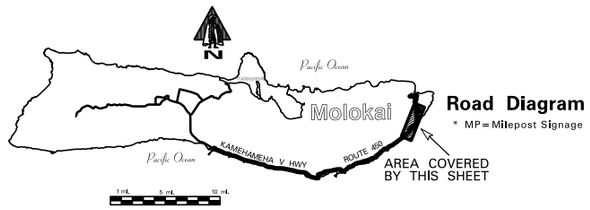
Right of Way Fence: Type – Right and Left: WOOD POST W/WIRE 10'–15' FROM PAVEMENT (2156–2372); WOOD ON WIRE 10'–15' FROM PAVEMENT (2372–2500)

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
- 2108 — 2218 — (450B–01–05M, Bridge Replacement, 2008) — 2270
- 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) — 2436



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #4

20.00 mi.

HONOULIWAI BR. (3 ARCH CULVERT) — 20.04 mi.
HONOULIMALOO BR. — 20.52 mi.
21.12 mi. 21.10 mi.
CULVERT — 22.01 mi.
BRANT FIELD — 23.01 mi.
RANCH ROAD — 24.01 mi. 24.20 mi. 24.94 mi. 24.93 mi.

KAMEHAMEHA V HIGHWAY

MP 20 · 21 (373 + 10) · 22 · 23 · 24 · 25 (139 + 70)

CONTINUES ON SHEET #6

25.00 mi.

SCALE: (In Miles) 4" = 1 mile

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): 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

Protective Devices: Type, Location and Number: PORTABLE CONC. BARRIER; M/M (2117 – 2174)

Illumination: Type, Location and Number: NONE

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (99999)

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

Speed: 1–Design, 2–Posted: 10 MPH (1); 20 MPH (2); 20 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B75 0450 01966 (B75 0450 02494)

HPMS Sections – AADT 2013: 290 (107)

HPMS Sections – AADT 2012: 400 (103)

HPMS Sections – AADT 2011: 396 (102)

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

COUNTY

SCALE: (In Miles) 4" = 1 mile

Date Released
Oct 2004 GN

Revised	
Nov., 06	D.B.
Mar., 09	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	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

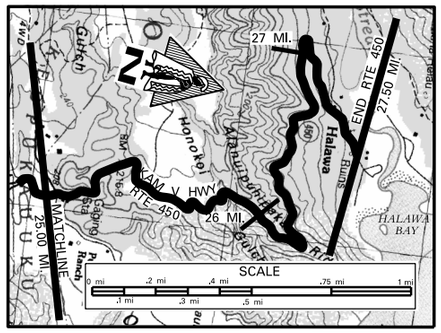
Total Route Length: 27.50 **miles**

a. Survey Length: 27.50 **miles**

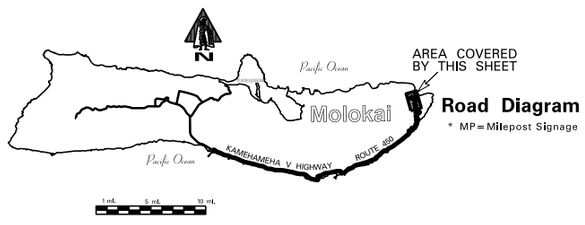
b. Proposed Length: 0.00 **miles**

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 25.55 / WOOD ON WIRE 10'–15' 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 — 275–60 — 27.50
	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



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #5

CULVERT — FORD — CULVERT — PARK ROAD ROAD TO CHURCH

KAMEHAMEHA V HIGHWAY

25.00 mi. — 26 MP — 27 MP — *27.50 mi.

25.04 mi. — 25.72 mi. — 25.96 mi. — 26.95 mi. — 27.43 mi. — 27.38 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '12 VIDEOLOG & '12 FEATURES DATABASE.

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
Divided Highway	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)	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	25.00 — (CRM) ROCK WALL — M/M 26.15 — N O N E — M/M 27.00 — M/M 27.14
	Illumination: Type, Location and Number	N O N E
	Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)	F 25.00 · E 25.16 · AFDE 25.24 · FEC 25.40 · AE 25.48 · FE 25.69 · F 25.77 · DFB 25.85 · FE 25.96 · FEC 26.07 · FE 26.28 · E 26.47 · F 26.71 · BF 26.87 · CA BD 26.95 · FC 27.03 · DFE 27.09 · FED 27.17 · EDEC 27.25 · EDC 27.33 · DEF
	Superelevation (Range)	
	Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)	E 25.02 · D · 25.52 C 25.57 · F · 26.02 E 26.08 · D
	Vertical Curve: Crest or Sag, Curve Limits	
	Area and Development:	RURAL (99999)
	Terrain: 1–Flat, 2–Rolling, 3–Mountainous	MOUNTAINOUS (3) — 27.10 — ROLLING (2)
	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 2013	107
	HPMS Sections – AADT 2012	103
	HPMS Sections – AADT 2011	102
	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	25 · 26 · 27 · 28 · 29 · 30

Date Released
Oct 2004 GN

Revised	
Nov., 06	D.B.
Feb., 09	D.B.
Feb., 11	D.B.
Feb., 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	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

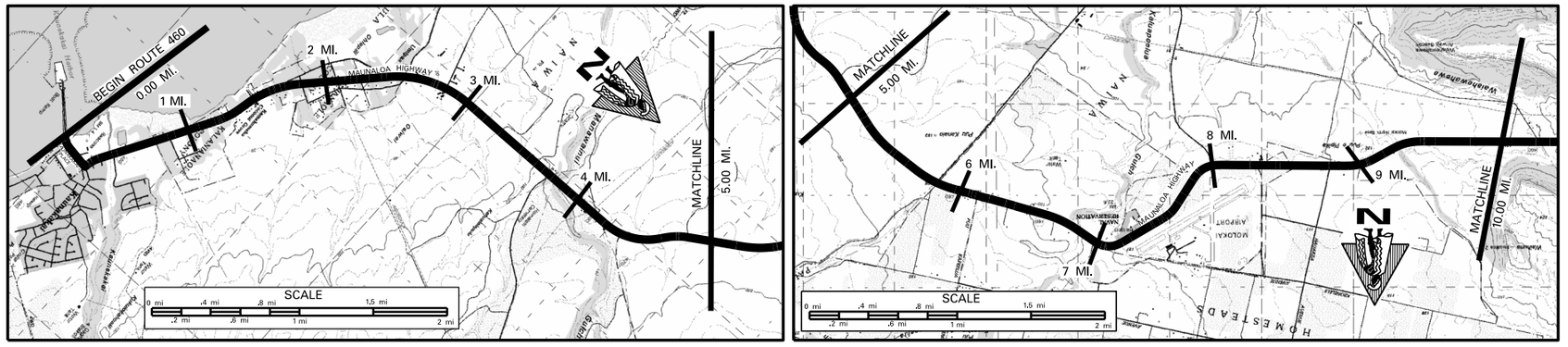
Total Route Length: 16.56 miles

a. Survey Length: 16.56 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*



SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

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'

Slab 1954 H–20 — 35' 35' 35' 35'

Prestressed Conc. Girder 1988, HS–20–44 — 364'

Vertical Clearance

0.43 — 1.66 1.83 2.29 2.54 — 3.76

Horizontal Clearance

36' — 36' 36' 36' 36' — 41'

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

80' (3.17) 70'–160' (4.19) 80'–160' (5.71) 50' (6.81) 80'–110' (7.84) 100' (9.80) 80'–400'

Available Right of Way Width (Needs Study)

Residential Area (1.53) 1000' Clear – Grass, Bushes 10'–15' from Pavement (4.45) 1000' Clear Pineapple 15'–25' from Pavement (5.71) Ranch and Pasture (7.08) Airport 30' (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 (146 + 00) (42 + 00)

Project No., Type of Construction, and Year Constructed

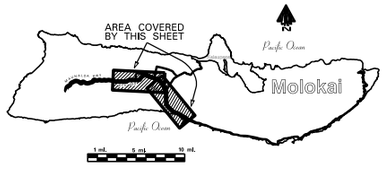
ARR–0460(14), Resurface, 2011 (5.09 – 7.05)

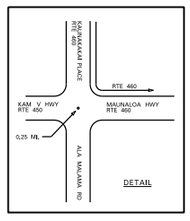
Project No., Type of Construction, and Year Constructed

(0 + 00) 460A–01–06M, RESURFACE, 2009 (144 + 00) (5.34 – 5.49) STP–0460(12), Resurface, 1998

Road Diagram

* MP = Milepost Signage





BEGIN RTE 460 ON KAUNAKAKAI PLACE AT THE BEGINNING OF KAUNAKAKAI WHARF. 0.00 MI.

Beach Pl. Begin & End Sts. Hwy Signs — Pollution Control Road — Ala Malama Jct. — Olioli Pl. — Hio Pl. — Kuhaa Ct. (R) — Kuhaa Ct. (L) — Kaluaa Pl. — Kamehameha V Hwy Rte 450 — Kapuaiwa Pl. — Kapuaiwa Rd. — Paved Road (R) — End Divided — Kalanianaole Ave — Lehua Ave. Kalamauda Br. #3 — Kahanu Ave — Kalamauda Br. #2 — Kalanianaole Ave — Begin Divided — Kalamauda Br. #1 — Likelike Ave — End Divided — Begin Divided — Rd. to Church (R) — Paved Rd. to Land Fill — Paved Rd. Water Tank (L) — Maunaloa Hwy Rte 460 — Paved Rd. — Manawainui Dr. Road to Cemetery — Del Monte Corp. Rd. — Kalae Hwy (Rte 470) — MAUNALOA HIGHWAY — Culvert — Culvert — Culvert — Pakaau Ave — Culvert — Puupuehua Ave (Rte 480) — Kaomalele Ave Culvert — Rte 465 Loop – — Culvert — Huai'ai Rd. Culvert — Launui St. (Airport Loop) (Rte 465) — Culvert — Culvert — Hauakea Ave. — Culvert — Project Mkr. S–2(11)

KAUNAKAKAI PLACE

0.00 mi. 0.05 mi. 0.15 mi. 0.29 mi. 0.32 mi. 0.38 mi. 0.48 mi. 0.50 mi. 0.58 mi. 0.86 mi. 1.00 mi. 1.16 mi. 1.24 mi. 1.35 mi. 1.38 mi. 1.50 mi. 1.56 mi. 1.66 mi. 1.83 mi. 2.06 mi. 2.08 mi. 2.24 mi. 2.29 mi. 2.53 mi. 2.54 mi. 2.82 mi. 2.84 mi. 2.98 mi. 3.00 mi. 3.30 mi. 3.57 mi. 3.75 mi. 3.76 mi. 3.83 mi. 3.96 mi. 4.02 mi. 4.28 mi. 4.38 mi. 5.02 mi. 5.12 mi. 5.23 mi. 5.61 mi. 5.80 mi. 6.01 mi. 6.05 mi. 6.96 mi. 7.01 mi. 7.36 mi. 7.38 mi. 7.88 mi. 8.31 mi. 8.43 mi. 8.51 mi. 8.79 mi. 8.59 mi. 9.40 mi. 9.78 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

4' AC (0.38) 8' AC (0.50) 4' AC (0.88) (0.98) — 4' AC — 4' AC Beg. Shldr. Rumble Strip — 8' AC — 4' AC (6.85) 8' AC (6.93) 4' AC End Shldr. Rumble Strip — 4' AC

Pavement: Width and Type

24' AC — 12' AC — 24' AC — 12' AC — 24' AC (8' PCC) (24' PCC) — 4' AC Beg. C.L. Rumble Strip — 24' AC End C.L. Rumble Strip (7.27) (7.78) 22' AC

Shoulder: Width and Type

4' AC (0.39) 8' AC (0.50) 4' AC — 0 — 4' AC — 0 — 4' AC (8' PCC) (3.36) 3.49 — 4' AC (4.63) 6' AC (4.89) (5.10) Beg. Shldr. Rumble Strip — 8' AC (5.72) 4' AC (6.21) 8' AC (6.72) 4' AC (6.87) (6.93) End Shldr. Rumble Strip — 4' AC

Median: Width and Type

12' Painted AC (1.24) — 12' Painted AC (1.52) (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' (2.82 – 2.97) (3.30 – 3.43) (4.30 – 4.40) 12' Lanes (7.78) 2–11'

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

1–12' (L) TL (1.28 – 1.44)

(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)

3' Conc. Gutter (4.63 – 4.89) AC Curb (5.87 – 6.07) AC Curb (6.86 – 6.92) (AC Curb) (7.55)

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

(1.38 – 1.82) (1.84 – 2.17) (2.08 – 2.26) (2.63 – 3.40) (3.54 – 4.47) (4.62 – 5.77) (6.13 – 6.21) (6.75 – 6.85) (7.48 – 7.81)

Illumination: Type, Location and Number

Mercury Vapor (1.49) 1 MV (1.62) 1 MV (1.84) 1 MV (2.08) 1 MV (2.26) 1 MV (2.63) 1 MV (3.40) 1 MV (6.08) 1 MV (6.71)

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

C (0.10) AF (0.27) B (0.38) A (6.97) C (7.19) A (7.48) B (7.83) A (8.05) A

Superelevation (Range)

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

A (0.50) B (0.57) A (2.27) B (2.32) E (3.05) D (3.27) C (3.93) E (4.05) D (4.33) C (4.79) B (6.44) C (6.57) B (7.76) C (7.83) B

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

Rural (99999)

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

(20 MPH (1)) (0.14) (0.42) Flat (1) (2.56) Rolling (2) (5.56) Flat (1)

Speed: 1–Design, 2–Posted

35 MPH (2) 20 MPH (2) (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 2013

1,200 — 5,400 — 6,008 — 4,800 — 2,530 — 2,176 — 1,300 — 959

HPMS Sections – AADT 2012

1,514 — 6,074 — 5,746 — 5,120 — 2,419 — 2,108 — 1,310 — 917

HPMS Sections – AADT 2011

1,598 — 6,300 — 5,790 — 4,573 — 2,482 — 2,100 — 1,241 — 910

(0.25) (1.35) (2.84) (4.38) (6.10) (8.31) (9.96)

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–0460(11), 1997 (5.51) (6.65) 460A–01–91M (Shoulder Paving), 1992
460A–01–90M (Shoulder Paving), 1991 (6.98)
RS–0460(1) Resurface, 1979
(0.43) 0.53 – (46A–02–71,1971) (3.76) 3.83 – (BR–0460(9), Bridge Replacement, 1988) (5.61) RS–0460(8), Resurf., 1987 (6.68) (7.04) 460B–01–83M Resurf., 1983
(NRH 19–A, 1935) (0.29) F–19(4) 1953, 1954 (3.11) FAP 19D, 1939 (4.12) F–046(1), 1955 (5.62) 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

0 1 2 3 4 5 6 7 8 9 10

Date Released
Mar. 04, D.B.

Revised	
Nov., 06	D.B.
Aug., 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	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

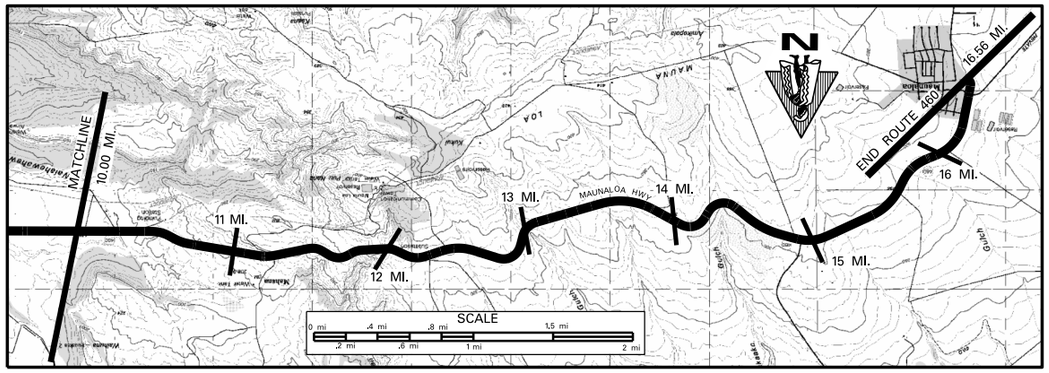
Total Route Length: 16.56 miles

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) | 1000' Clear – Grass, Bushes, 10'–20' from Pavement

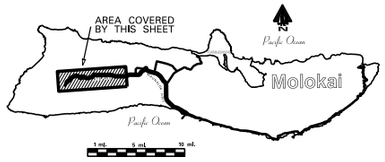
Right of Way Fence: Type – Right and Left — Wire on Wood 20'–30' from Pavement (10.26 – 12.19); Wire on Wood 20'–30' from Pavement (12.69 –)

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 | 460A–01–91M, Shldr. Paving, 1992 | RS–0900(24), Resurface, 1986



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #1

Culvert (10.83 mi.) | Culvert (10.96 mi.) | Kala Kai Rd. (11.13 mi.) | ECB #19 (11.97 mi.) | End Divided Ka'ana St. (12.93 mi.) | Begin Divided (14.01 mi.) | (14.97 mi.) | (14.91 mi.) | (16.23 mi.) | (16.40 mi.) | (16.32 mi.) | (16.56 mi.)

MAUNALOA HWY

11 MP | 12 MP | 13 MP | 14 MP | 15 MP | 17 MP

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '12 VIDEOLOG' & '12 FEATURES' DATABASE.
END RTE 460 ON MAUNALOA HIGHWAY AT THE CENTERLINE MONUMENT OF THE "KAUNAKAKAI VILLAGE WEST 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 | 8' AC | 4' AC | 10' | 8' | 15' | 10' | 8' | 9'–15' | 14' (9'–14' Grv.) (15')
- Pavement: Width and Type — 22' AC
- Shoulder: Width and Type — 4' AC | 10' | 8' | 15' | 10' | 8' | 9'–15' | 14' (14') (9'–14' Grv.)
- Median: Width and Type — (12' Painted AC) (Y15')
- Median Barriers:
- Shoulder: Width and Type — 0
- Pavement: Width and Type — 11' AC
- Shoulder: Width and Type — 14' Grass

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 otherwise noted; 3' Gutter

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: — Rural (99999)

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

Speed: 1–Design, 2–Posted — 45 MPH (2) | (45 MPH (2)) | (35 MPH (2)) | 20 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year) — B75 0460 00831 | B75 0460 01494

HPMS Sections – AADT 2013 — 959 | 738

HPMS Sections – AADT 2012 — 917 | 706

HPMS Sections – AADT 2011 — 910 | 693

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); (46A–01–71, Resurface, 1971); 460A–01–91M, Shldr. Paving, 1992; 460B–01–83M, Resurface, 1983; RS–0900(24), Resurface, 1986; (46A–01–71, 1971); FAS 21(1), 1949

Date Released
Mar. 04, D.B.

Revised	
Nov., 06	D.B.
Mar., 09	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	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

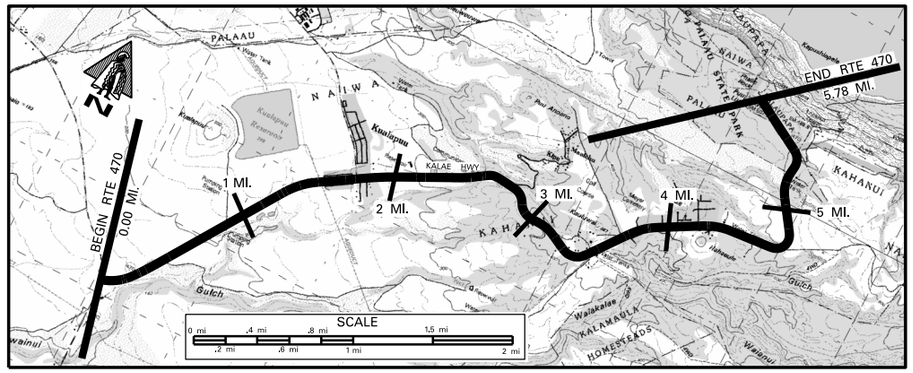
Total Route Length: 5.78 miles

a. **Survey Length:** 5.78 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' | 60' – 70' | 60' – 130'

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

1000' PINEAPPLE FIELD, 20' – 30' FROM PAVEMENT | RES. AREA | PASTURE AREA W/ SOME HOUSES | LARGE TREES & BUSHES

Available Right of Way Width (Needs Study)

NONE | 1000' CLR PINEAPPLE 20' FROM PAV'T | WIRE ON WOOD 10' – 25' FROM PAVEMENT | WIRE ON WOOD 18' – 25' 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)

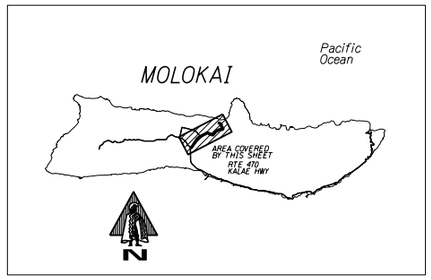
STATE

Project No., Type of Construction, and Year Constructed

ARR-0470(6), PREVENTIVE MAINTENANCE, 2010

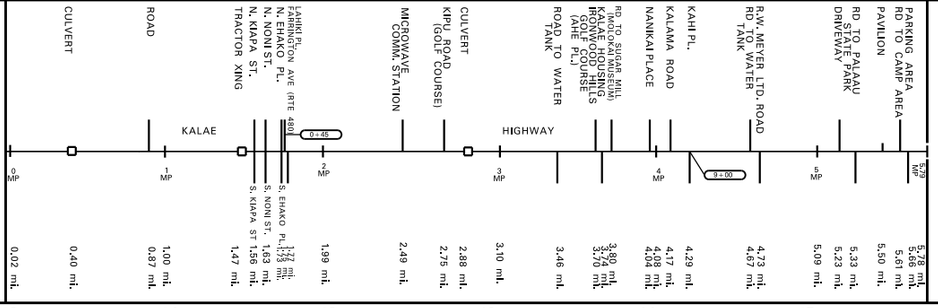
Project No., Type of Construction, and Year Constructed

STP-0470 (5) GUARDRAIL / SHOULDER IMPROVEMENT 2001 AND 470A-01-00M 2001 RESURFACE



Road Diagram

* MP = Milepost Signage



* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '12 VIDEOLOG & '12 FEATURES DATABASE.

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 | 8'–9' AC

Pavement: Width and Type

24' AC

Shoulder: Width and Type

6' AC | 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)

NONE

(Right Side)

NONE

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) ALL CONCRETE GUTTERS

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

Illumination: Type, Location and Number

M/V

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL (99999)

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

FLAT (1) | ROLLING (2)

Speed: 1–Design, 2–Posted

45 MPH (1) / 35 MPH (2) | 30 MPH (1) / 35 MPH (2) | 30 MPH (2) / (25 MPH (2)) | 25 MPH (1) / 25 MPH (2)

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 2013

2,300 | 896 | 840 | 250

HPMS Sections – AADT 2012

1,809 | 857 | 2,610 | 131

HPMS Sections – AADT 2011

1,910 | 848 | 2,600 | 130

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 | RS-0470(3) 1982 RESURFACE | 470A-01-92M 1993 RESURFACE

HWY-M-01-85M 1985 RESURFACE | HWY-M-01-82M 1982 RESURFACE | RS-0900(24) 1986 RESURFACE | REALIGNMENT 1971

F-047-1(1) 1957, 1958 | WPH – 19B 1936 | COUNTY | 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.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	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

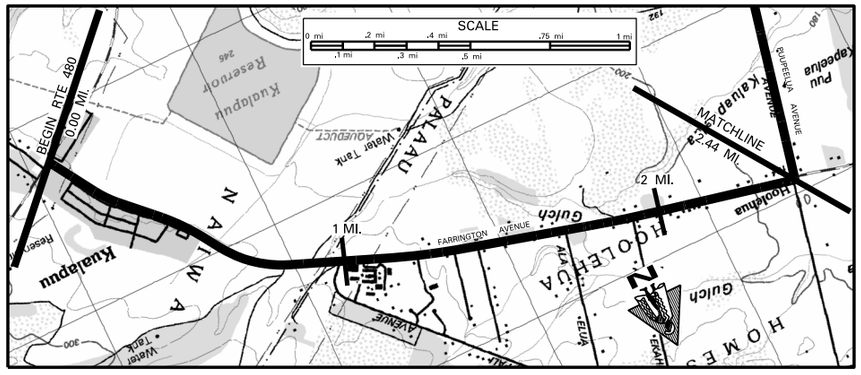
Total Route Length: 3.66 miles

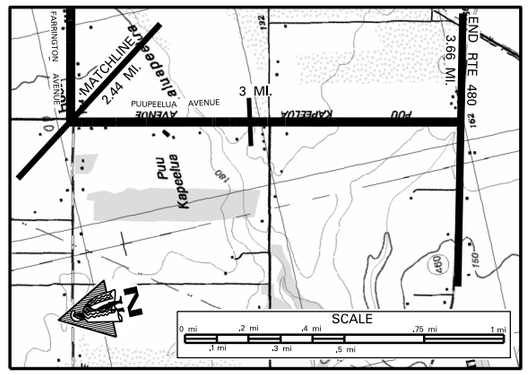
a. Survey Length: 3.66 miles

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 Other 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. 0.25 | CLEAR 1000' PINEAPPLE 15' – 20' FROM EDGE OF PAVEMENT 0.87 | CLEAR 1000' GRASS & TREES 15' – 20' FROM PAVEMENT

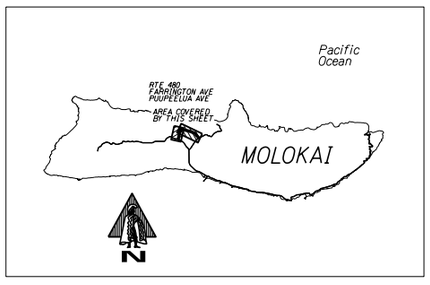
Right of Way Fence: Type – Right and Left: 1.37 WIRE ON WOOD 15' – 20' FROM PAVEMENT 2.60

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): 128 + 70 | S T A T E | 0 + 17 3.66

Project No., Type of Construction, and Year Constructed: 0.00 ARR–0480(3), RESURFACE, 2010

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 0.04 mi. 0.00 mi. | 0 MP
'UWAO STREET 0.09 mi.
ALAEKEA STREET 0.23 mi.
EPANE STREET 0.33 mi.
0.46 mi.
LIHI PALI AVE. 0.96 mi. 0.89 mi. | 1 MP
H.S. EXIT PARKING LOT 1.11 mi. 1.05 mi.
FIRE STATION & KLEENEX PARKING LOT 1.23 mi. 1.21 mi.
ALA EKOLU ST. & MILE LEI KUKUI PLACE 1.42 mi. 1.35 mi.
ALA ELUA STREET 1.70 mi.
ALA EKAHI STREET 1.91 mi. | 2 MP
2.00 mi.
POST OFFICE ROAD ANGLE POINT OF PUUPEELUA AVE. & FARRINGTON AVE. 2.42 mi. 2.44 mi. 2.50 mi. | END MEASURED MILE
MOLOKAI BAPTIST CHURCH 2.71 mi.
MOOMOM AVE. 3.01 mi. 3.05 mi. | 3 MP
CULVERT 3.64 mi.

PUUPEELUA AVENUE

3.66 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '12 VIDEOLOG & '12 FEATURES DATABASE: 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): 0.55 | 4' AC FOOT PATH 2.44

Curb and/or Gutter: Type (Right and Left): CONCRETE CURB AND GUTTERS — 0.93 | 0.99 | 1.13

Protective Devices: Type, Location and Number: ALL METAL ON CONCRETE — 0.54 | 0.61 | 0.73 | 0.96 | 2.81 | 2.90

Illumination: Type, Location and Number: 0.02 1 MV | 0.81 | 0.86 | 0.97 MV | 1.07 | 1.24 1 MV | 1.49 1 MV | 1.72 1 MV | 1.93 1 MV | 2.82 | 2.92 | 3.08 1 MV

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62): (D) 0.02 | A | 2.43 | 2.45 (F) | A

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45): B | 1.68 | C | 1.94 | B | 2.76 | C | 2.82 | A | 3.07 | C | 3.39 | A

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (99999)

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

Speed: 1–Design, 2–Posted: NOT POSTED — 0.07 | 35 MPH (2) | 0.89 | 0.96 20 MPH (2) 1.25 | 1.32 | 35 MPH (2) | 3.95 | 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 2013: 2,300 | 1,450 | 1,600 | 1,476

HPMS Sections – AADT 2012: 2,209 | 1,406 | 1,714 | 1,411 | 3.66

HPMS Sections – AADT 2011: 2,100 | 0.99 | 1,400 | 1,654 | 3.05 | 1,344

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 | 0 + 00 | 64 + 50 | S–1(2) 1947

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.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.

ROAD INVENTORY

LANAI RTE. 440
KAUMALAPAU HWY., MANELE RD.

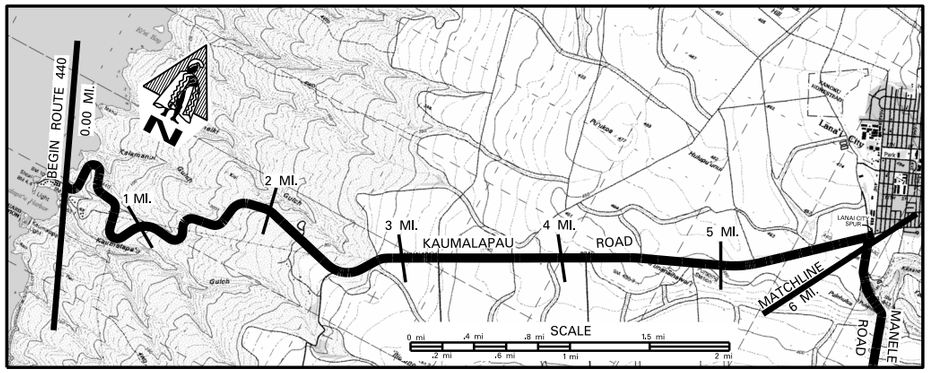
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

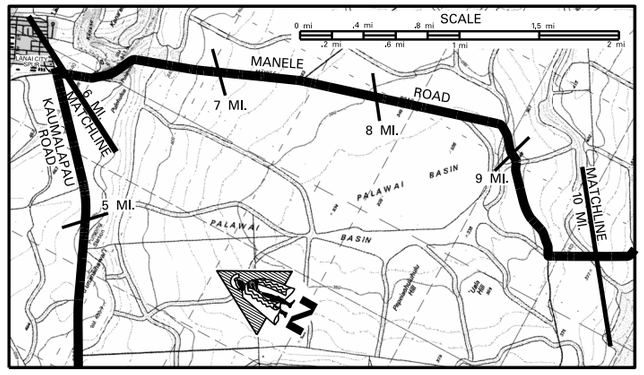
PREPARED BY THE HIGHWAYS PLANNING BRANCH IN COOPERATION WITH THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION

* 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

0 1 2 3 4 5 6 7 8 9 10

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' (0.00–1.93) | 80' – 130' (1.93–3.23) | 100' (3.23–4.63) | 80' – 150' (4.63–5.34) | 30' (5.34–9.44)

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)

STATE

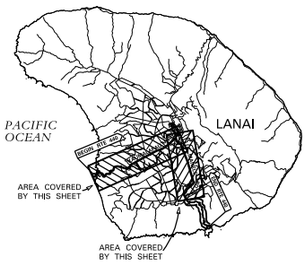
Project No., Type of Construction, and Year Constructed

440A–01–10M, PREV. MAINT., 2011 (440A–01–99M, Resurf, 2000) (0.00–2.27) | 440A–01–03M, Resurf, 2005 (2.27–3.12) | 440A–01–02M, (R) 2003 (3.12–4.00) | 440A–01–01M, (R), 2004 (4.00–4.63) | 440A–01–07M, Resurf., 2008 (4.63–5.34) | 440B–01–04M, Resurf., 2005 (5.34–5.97) | 440B – 02 – 98M, R, '99 (5.97–7.58) | (440B–01–04M, Resurf., 2005) (7.58–9.44)

Project No., Type of Construction, and Year Constructed

HWY – M – 02 – 97M, Shldr. Paving, 1998 (0.00–3.05) | 440A–01–02M, (R) 2003 (3.05–4.00) | 440A–01–96M, 1997 (4.00–4.63) | STP – 0440(6) Resurf, Worksite #1 1996 (4.63–5.37) | 440B 01 – 98M 1999 (Resurf.) (5.37–7.58) | STP–0440 (5), 1995 (Resurfacing & Improvements) (7.58–9.44)

(440A–01–92M, (R), 1992)



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. — Tractor Xing — Kaupili Road — Culvert — Paved Road — Refuse Road — Tractor Xing — Begin Divided — End Divided — Dirt Road — Airport Road — Pineapple Station Rd. — Pineapple Station Road — Tractor Xing — Pineapple Road — Mill Road — Road — Road — Dirt Road — Dirt Road — Hana Hwy & Manele Road — Hana Wai Street — Kaumalapau Highway — Manele Rd. — Beg. Measured Mile — Palawai Road — End Measured Mile — Culvert — Milepost #9 — Culvert — Culvert — Paved Road (Rte 440 Angle Pt.) — Culvert

KAUMALAPAU — HIGHWAY — KAUMALAPAU HWY — MANELE RD. — MANELE ROAD

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

This diagram shows a 150' segment of 440 A Maintenance Control Section

0.00 mi. 0.51 mi. 0.65 mi. 0.98 mi. 1.49 mi. 1.98 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. 3.71 mi. 3.71 mi. 3.88 mi. 3.95 mi. 4.00 mi. 4.16 mi. 4.19 mi. 4.31 mi. 4.63 mi. 4.84 mi. 5.00 mi. 5.22 mi. 5.57 mi. 5.97 mi. 6.03 mi. 7.02 mi. 7.52 mi. 7.53 mi. 8.01 mi. 8.53 mi. 8.92 mi. 9.01 mi. 9.08 mi. 9.38 mi. 9.72 mi. 9.97 mi. 9.98 mi.

CONT. 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 — ALL SHOULDERS GRASS EXCEPT WHERE OTHERWISE INDICATED
- Pavement: Width and Type
- Shoulder: Width and Type — ALL SHOULDERS GRASS EXCEPT WHERE OTHERWISE INDICATED
- Median: Width and Type
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type

6' AC | 6' GRV | 6' AC | 24' AC | 12' AC | 12' PAINTED AC | 0 | 24' AC | 6' AC | 6' GRV | 8' GRV | 6' – 10' | 2' AC | 20' AC | 2' AC | 4' GRS/GRV | 8' | 25' Dirt

Number of Traffic Lanes

2–12' | 2–10'

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

(Right Side)

12 TLs

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

Protective Devices: Type, Location and Number

ALL METAL ON METAL

Illumination: Type, Location and Number

NONE

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

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

RURAL (99999)

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

MOUNTAINOUS (3) (0.00–0.93) | ROLLING (2) (0.93–2.47) | FLAT (1) (2.47–9.44)

Speed: 1–Design, 2–Posted

30 MPH (2) | 45 MPH (2) | 45 MPH (2) / 20 MPH (2) / 35 MPH (2) / 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 2013

190 | 760 | 1,200 | 1,243 | 1,370

HPMS Sections – AADT 2012

121 | 612 | 1,305 | 1,205 | 1,310

HPMS Sections – AADT 2011

144 | 590 | 1,300 | 1,200 | 866

DOD Sections

Census Tracts

COUNTY

Functional Classification

MAJOR COLLECTOR (5)

National Highway System (NHS)

NOT ON NHS (0)

Previous Projects: Project No., Date and Limits

HWY – M – 02 – 97M, Shldr. Paving, 1998 (0.02–3.41) | 440A–01–03M, Resurf, 2005 (2.20–3.12) | 440A–01–99M, Resurf, 2000 (0.00–2.05) | 440A–01–90M, Shldr, Paving, 1998 (2.05–3.14) | 44A–02–88, Shldr.Imp, 1988 (1.28–1.89) | 440A–01–90M, Shldr, Paving, '90 (1.89–3.20) | RS–0440(2) Resurf, 1986 (3.14–3.42) | 440A–01–78M Resurf, 1979 (1.52–3.06) | (440–A–01–81M Imprv, 1981) (2.79–3.20) | 440A–01–96M, 1997 (3.42–4.99) | STP–0440(6) Resurf, Worksite #1 1996 (4.98–5.97) | 440B–01–98M (R) 1997 (5.97–6.61) | RS–0440(3) Resurf, 1987 (4.98–6.20) | STP–0440(5) 1995 (Resurfacing & Improvements) (6.20–9.44) | 440A 02 81 Imprv, 1981 (0.00–0.80) | S–0440(1) 1959, '60 (0.80–2.89) | 440A–01–73 Resurf, 1975 (3.20–5.98) | STA. 310 + 73.91 (5.98) | COUNTY

SCALE: (In Miles) 2" = 1 mile

0 1 2 3 4 5 6 7 8 9 10

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.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.

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ROAD INVENTORY

LANAI RTE. 440
MANELE ROAD, AIRPORT ROAD

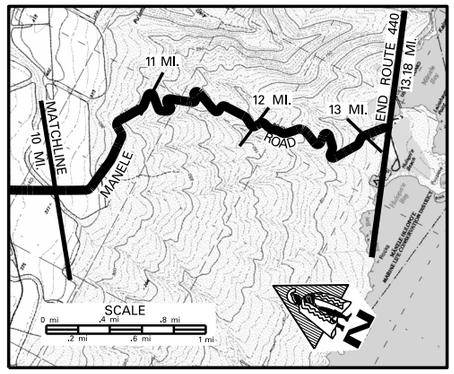
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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 (–)

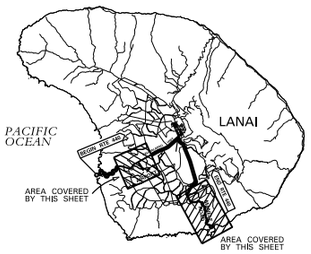
NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



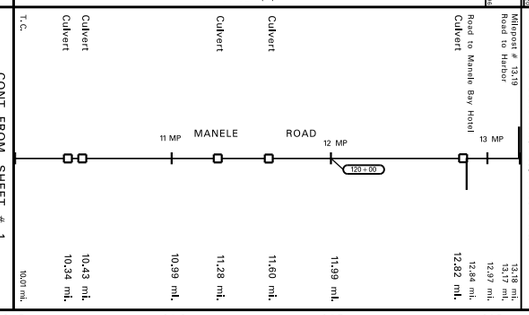


SCALE: (In Miles) 2" = 1 mile

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							
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	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	440B–01–04M, Resurf., 2005		STP–0440(6) (Resurface)		440A–01–88M Resurf.	319+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



SCALE: (In Miles) 2" = 1 mile

Divided Highway Undivided: Shoulder: Width and Type	ALL SHOULDERS GRASS EXCEPT WHERE OTHERWISE INDICATED	25' Dirt	6'		All Gravel	6'		
Divided Highway Undivided: Pavement: Width and Type			2'–4' 20' AC 2'–4'			20' AC		
Divided Highway Undivided: Shoulder: Width and Type	ALL SHOULDERS GRASS EXCEPT WHERE OTHERWISE INDICATED	25' Dirt	6' 4'–8' 2' 6' 2'–4'	6'–12'	All Gravel	4'	3'	
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	2–10'		2–11'	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 Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)								
Superelevation (Range)								
Grades: % Grade, Positive or Negative								
Vertical Curve: Crest or Sag, Curve Limits								
Area and Development:	RURAL (99999)				RURAL (99999)			(RURAL (99999))
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	FLAT (1) MOUNTAINOUS (3)			FLAT (1)	FLAT (1)			(FLAT (1))
Speed: 1–Design, 2–Posted	35 MPH (2)		25 MPH (2) (Not Posted)		NOT POSTED 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 2013	1,370	869	1,159		370		1,700	
HPMS Sections – AADT 2012	1,310	835	1,109	454	413		3,024	
HPMS Sections – AADT 2011	866	866	1,137	455	414		2,999	
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				S – 0440(1)			
	440B – 01 – 82M(R) 1982		440B – 01 – 83M(R) 1983		1959			

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