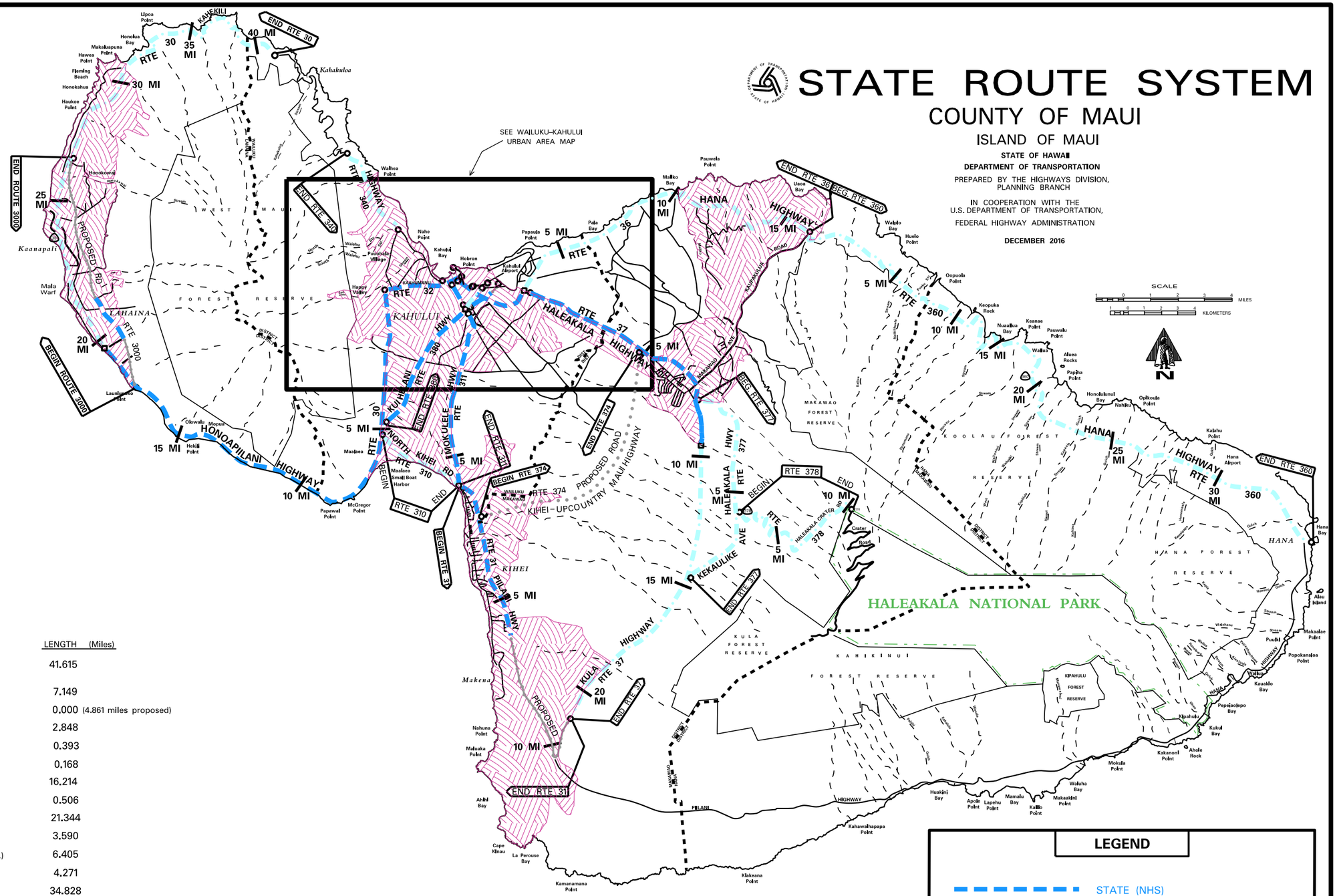
STATE ROUTE SYSTEM

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 2016



MAUI:

	ROUTE		LENGTH (Miles)	
✱	30	(High St., Honoapiilani Hwy., Kahekili Hwy.)	41.615	
✱	31	(Piilani Hwy.)	7.149	
	31	(Piilani Hwy. extension)	0.000	(4.861 miles proposed)
✱	32	(Main St., Kaahumanu Ave.)	2.848	
✱	32A	(Hobron Ave.)	0.393	
✱	32B	(Wharf St.)	0.168	
✱	36	(Hana Hwy.)	16.214	
✱	36A	(Haleakala Hwy., Keolani Pl.)	0.506	
✱	37	(Haleakala Hwy., Kula Hwy.)	21.344	
✱	310	(North Kihei Rd.)	3.590	
✱	311	(Puunene Ave. Mokulele Hwy.)	6.405	
✱	340	(Kahekili Hwy.)	4.271	
✱	360	(Hana Hwy., Keawa Pl.)	34.828	
	374	(Kihei–Upcountry Maui Hwy)	0.000	(9.80 mi. proposed No SLD)
✱	377	(Haleakala Hwy., Kekaulike Ave.)	9.137	
✱	378	(Haleakala Crater Rd.)	10.099	
✱	380	(Dairy Road, Kuihelani Hwy.)	6.171	
	3000	(Lahaina Bypass)	2.320	(8.37 miles proposed)
✱	3400	(Kahului Beach Rd., Waiehu Beach Rd.)	2.624	
✱	3500	(Puunene Ave.)	1.110	
✱	3800		0.850	(1.67 miles proposed)

MAUI TOTAL = 171.642

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

COUNTY OF MAUI:

	LENGTH (Miles)
MAUI	170.792
MOLOKAI	53.484
LANAI	13.665
TOTAL	**237.941**

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	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	E.P.J.
Dec. 14	E.P.J.
Jan. 16	E.P.J.
Dec. 16	E.P.J.

STATE ROUTE SYSTEM

COUNTY OF MAUI

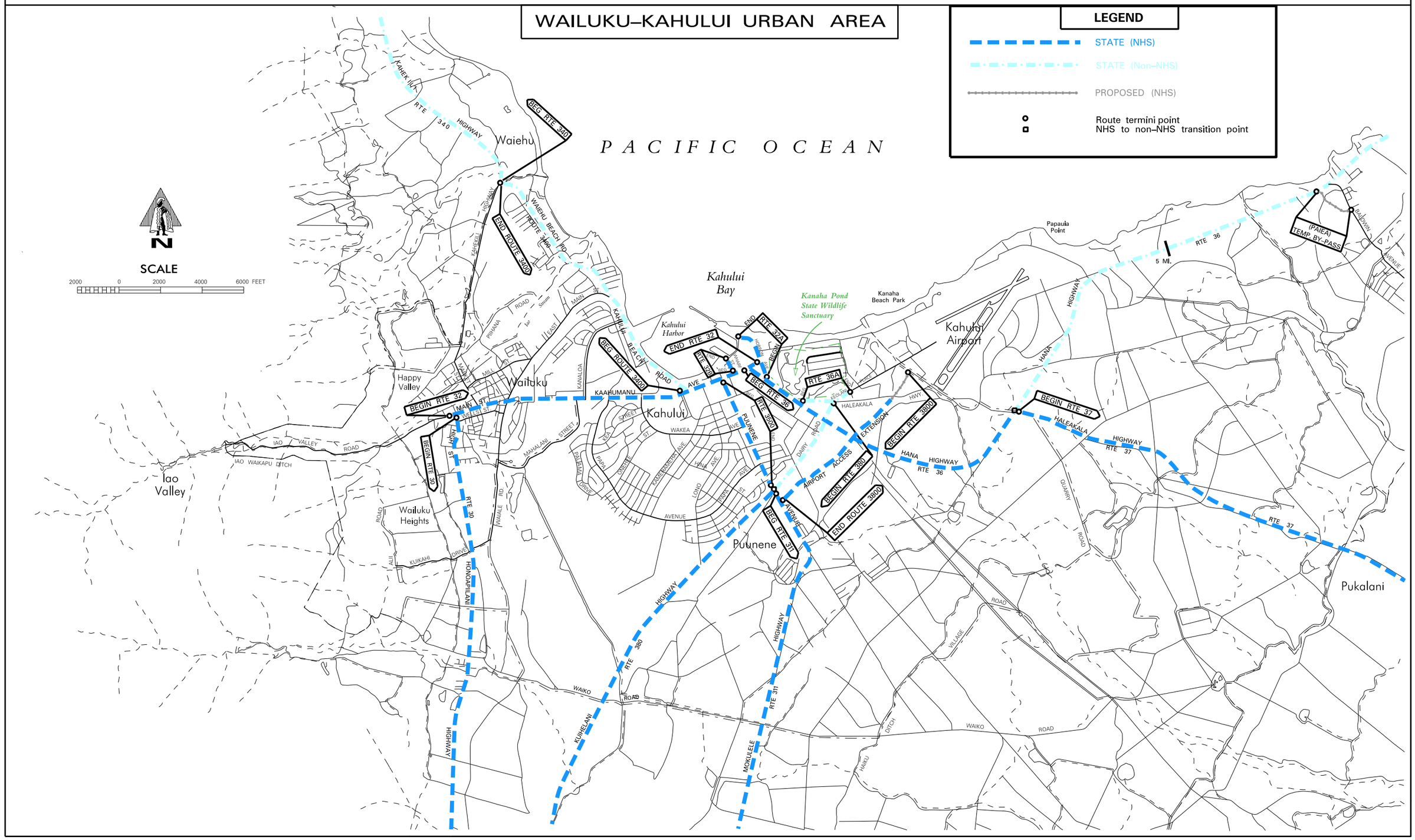
ISLAND OF MAUI

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 2016

WAILUKU–KAHULUI URBAN AREA



Date Released	
Dec 2002	JK
Revised	
Jan. 04	DB
Feb. 08	DB
Feb. 11	DB
Feb. 12	DB
May 13	EPJ
Dec 14	EPJ
Jan. 16	EPJ
Dec 16	EPJ

2

STATE ROUTE SYSTEM

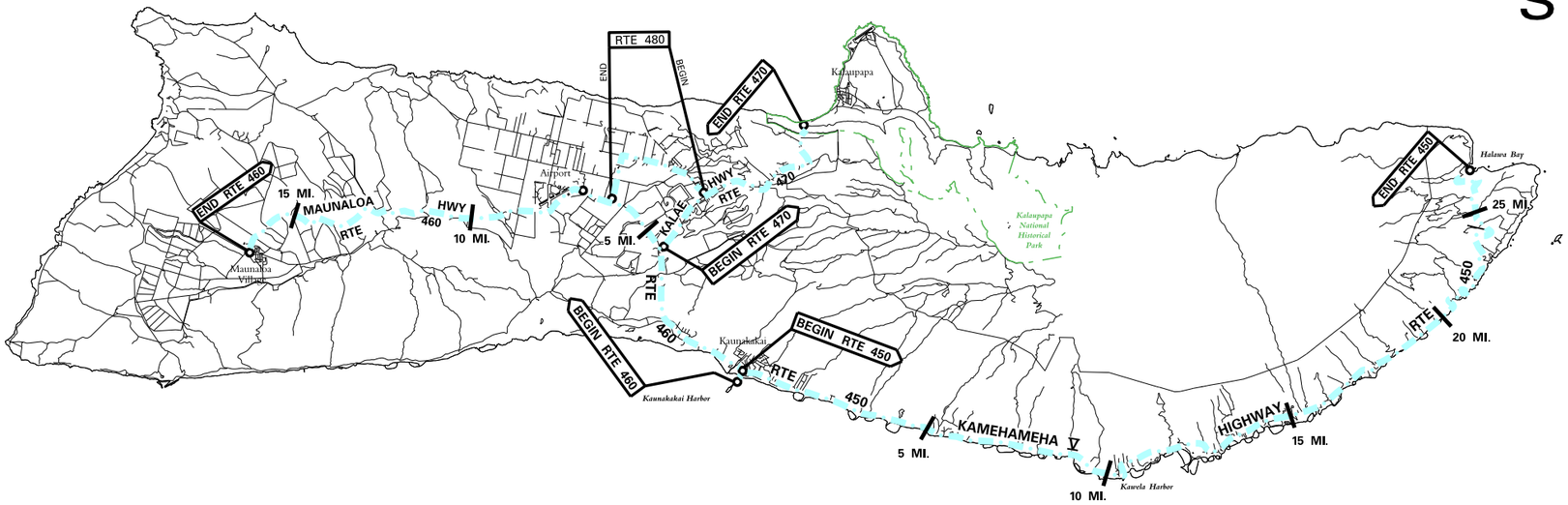
COUNTY OF MAUI

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 2016



KALOHI CHANNEL

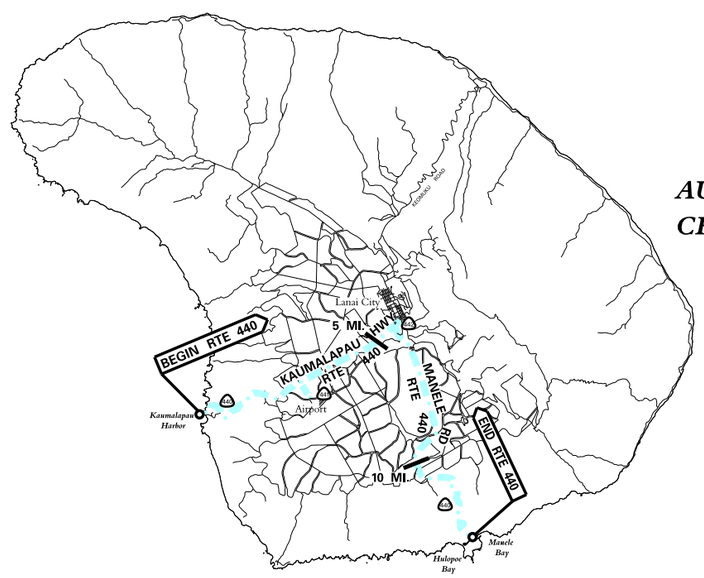
N

SCALE

1 0 1 2 3 4 MILES

1 0 1 2 3 4 KILOMETERS

PACIFIC OCEAN



AUAU CHANNEL

ROUTE LENGTH MILES)

MOLOKAI:

*	450	Kamehameha V Highway	27.499
*	460	Kaunakakai Pl. & Maunaloa Hwy.	16.547
*	470	Kalae Highway	5.777
*	480	Farrington Ave & Puupeelua Ave	3.661
		MOLOKAI Total =	**53.484**

LANAI:

*	440	Kaumalapau Hwy & Manele Rd.	**13.168**
*	441	Access Road to Lanai Airport	**0.471**
	442	Lanai City Spur	**0.026**
		LANAI Total =	**13.665**

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

LEGEND

STATE (Non-NHS)

Route termini point

Date Released	
Dec 2002	JK
Revised	
Jun. 04	DB
May. 05	DB
Dec. 09	DB
Feb. 11	DB
Feb. 12	DB
May. 13	EPY
Dec. 14	EPY
Jun. 16	EPY
Dec. 16	EPY

③

ROAD INVENTORY

MAUI RTE 30

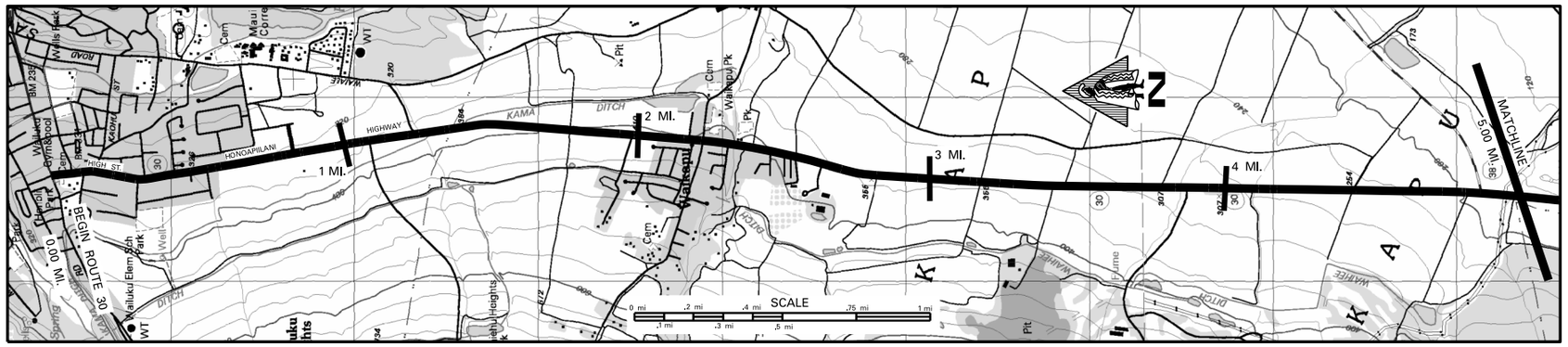
HIGH ST. – HONOAPIILANI HWY.

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: 41.615 miles
- a. Survey Length: 41.615 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: 0.00 miles



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description
(END 30E ON HIGH ST. 40' SOUTH OF THE CENTERLINE INTERSECTION WITH MAIN STREET.) — 30E (0.32MI.) — (BEGIN 30E ON HIGH STREET AT THE SOUTH E.P. OF KAHOOKELE ST.) — 30 D (4.88MI.)

Structure Carrying Road
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: SLAB, 1937, H-15 — 74' PRE-STRESSED CONC. GIRDER, HS-20-44, 2002
- Vertical Clearance: 39' — 4.59
- Horizontal Clearance: 24' — 38' N.B., 36' S.B.

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

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

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

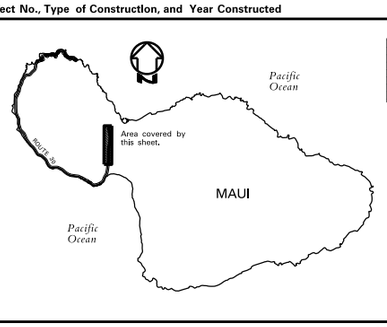
Right of Way Fence: Type – Right and Left: Pipe Fence — Chain Link — None — Stone Wall

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): (287 + 60) — (75 + 13.50)

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



Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP = Milepost Signage

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

S. HIGH ST. — Kaohu St. End Divided Hwy — Wells St. — Begin Div. Hwy — Kahookele St. — Kalo Pl. — Begin Divided Hwy — Keanu St. — Kehalani Parkway Culvert — Kukahi Dr. Culvert — Culvert End Divided Hwy — HONOAPIILANI — Cane Haul Rd. — Begin Divided Hwy — Piikana St. — Waiaiu Pl. — Waihanu Br. End Div. Hwy — Wilikina Pl. End Div. Hwy — E. Waiko Rd. (L) — W. Waiko Rd. (R) — Begin Divided Hwy — Olani Pl. — Lehuapueo Pl. — Maui Tropical Plantation Rd. — End Divided Hwy — HIGHWAY — Cane Haul Rd. Rd. to Quarry — Begin Divided Hwy — Rd. to Golf Cource — ECB — Culvert End Divided Hwy — Gravel Road — Begin Divided Hwy — Kulhoehani Hwy (Rte 380) — Pohakea Br.

CONTINUED ON SHEET 2. 5.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided
- Shoulder: Width and Type: 4'–6' AC — 6' AC — 4' AC/10' Grass — 6' AC — 6' AC — 10' AC
- Pavement: Width and Type: 12' AC — 24' 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 — 0 — 4'–6' AC — 0 — 4' AC/2' Grass — 0 — 6' AC — 0 — 6' AC — 0 — 6' AC — 0 — 4' AC
- Median: Width and Type: 0'–8' Paint — (0'–8' Paint) — 0'–12' Paint — 0'–12' Paint — 0'–12' Paint — 0'–12' Paint — 8'–18' Grass (32' Grass) (20' Grass) (Double Guardrails)

Divided Highway — Divided
- Shoulder: Width and Type: 0 — 0 — 0 — 0 — 0 — 4' AC
- Pavement: Width and Type: 14'–10' AC — 12' AC — 12' AC — 12' AC — 12' AC — 24' AC
- Shoulder: Width and Type: 0 — 0 — 6' AC — 4' AC/2' Grass — 6' AC — 6' AC — 6' AC — 8' AC

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

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 9' (L) Turn Lanes — 1–14'–10' — 1–12'

(Right Side): 8' Parallel Parking — 12' Turn Lanes — 10' Turn Lanes — 12' Turn Lanes — 12' Turn Lanes — (Transition Lane 0–12') — 12' Turn Lane

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

Curb and/or Gutter: Type (Right and Left): Conc. Curb — 4' Conc. S.W. — Conc. Curb — AC Curb — 2' Conc. C & G — 2' Conc. C & G — 2' Conc. Curb & Gutter — Conc. Curb & Gutter

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

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): A — B — A — 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): A — B — A — B — A — C — 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)

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 00053 — (B74 0030 00486)

HPMS Sections – AADT 2015: 13,756 — 11,245 — 13,600 — 29,478

HPMS Sections – AADT 2014: N/A — 13,600 — N/A

HPMS Sections – AADT 2013: 12,757 — 10,900 — 16,402 — 13,100 — 13,300 — 27,336

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

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.
Jan 16	E.P.J.
Jan 17	E.P.J.

ROAD INVENTORY

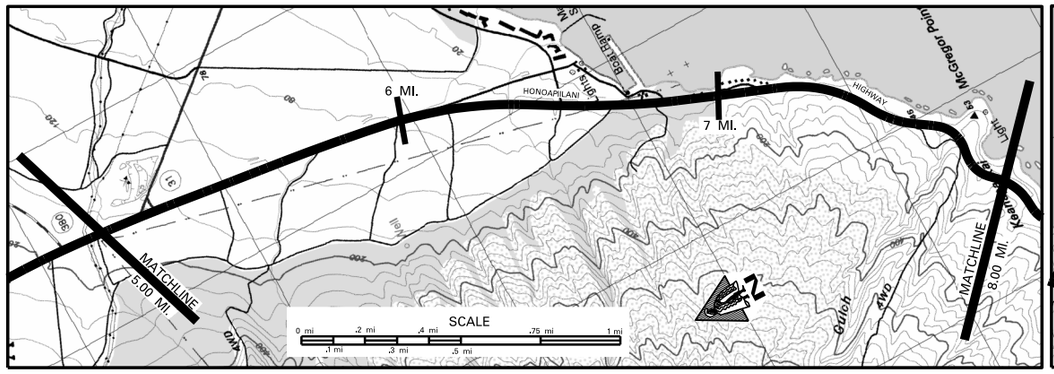
MAUI RTE 30
HONOAPIILANI HWY

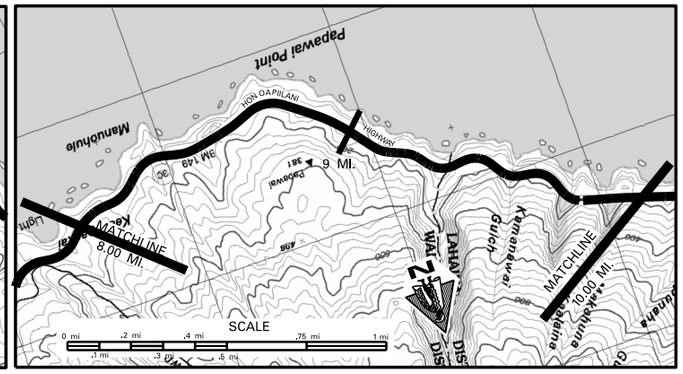
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 41.615 miles
a. Survey Length: 41.615 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 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' | 160'–180' | 80'–100' | 70' – 125' | 70' – 160' | 120'–490'

Available Right of Way Width (Needs Study): 1000' Clear, Sugar Cane Field 25' From E.P. | 1000' Clear, Pineapple Field, 35' from E.P. | Residential Area | Brush and Trees

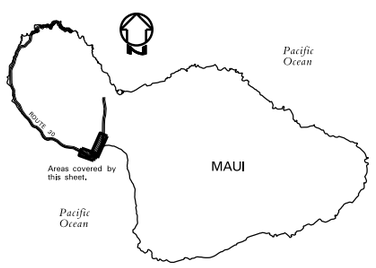
Right of Way Fence: Type – Right and Left: Wire on Wood | Wire on Wood | Wire on Wood | Wire on Wood | Wire | Rock Fall Protection

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): 13+75 STP–0900(073),(R),2015 | State | 93+00

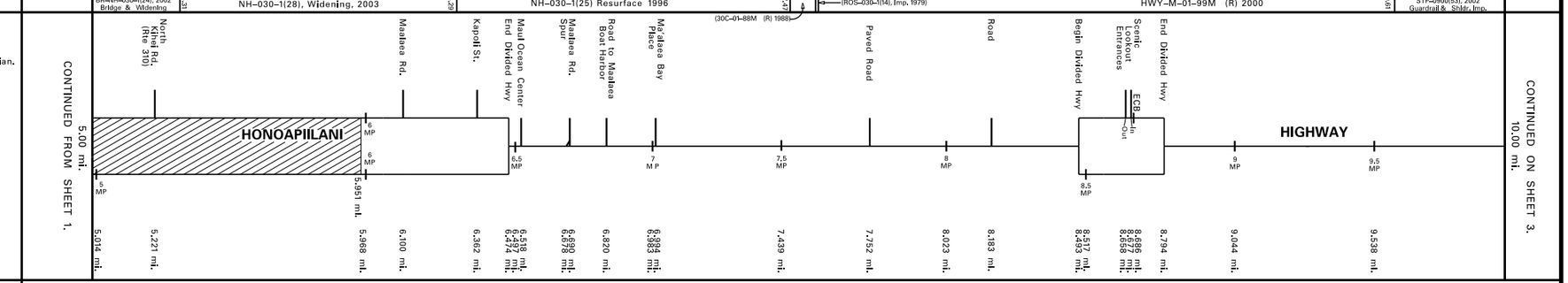
Project No., Type of Construction, and Year Constructed: NH–0900(080), Preventive Maintenance, 2014 | STP–0900(53), 2002 Guardrail & Shldr. Imp. | NH–030–1(047) PAVE. PREV. MAIN. 2014

Project No., Type of Construction, and Year Constructed: BR–NH–030–1(24), 2002 Bridge & Widening | NH–030–1(28), Widening, 2003 | NH–030–1(25) Resurface 1996 | (30C–01–88M (R) 1988) | (ROS–030–1(14), Imp. 1979) | HWY–M–01–99M (R) 2000 | STP–0900(53), 2002 Guardrail & Shldr. Imp.



Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP = Milepost Signage



SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type (Combination Shldr./Bike Route from 6.83mi. to 20.23mi.)	10' AC	8' AC	4'–6' AC	(See Note)	6'–8' AC	4'–6' AC	6'–8' AC	8'–10' AC
Pavement: Width and Type	24' AC	Shldr Milled Rumble Strip	36' AC	Shldr Milled Rumble Strip	24' AC	12' AC	24' AC
Shoulder: Width and Type (Combination Shldr./Bike Route from 6.83mi. to 20.23mi.)	4' AC	0	(See Note)	6'–8' AC	0	6'–8' AC	8'–10' AC
Median: Width and Type	32' Grass	22' Grass	0–10' Paint CL Milled Rumble Strip	CL Milled Rumble Strip	0–14' Painted AC
Shoulder: Width and Type	4' AC	0	0
Pavement: Width and Type	24' AC	12' AC	12' AC
Shoulder: Width and Type (Combination Shldr./Bike Route from 6.83mi. to 20.23mi.)	8'–10' AC	6'–8' AC	6'–8' AC

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

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

(Right Side) (All 12' TLs.): 11' Turn Lane | 11' Merge Lane

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

Sidewalk: Width and Type (Right and Left): CB A

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

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

Illumination: Type, Location and Number: 15 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 | C | AC | B | A | C | A | CA | C | D | A

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

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

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

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

Intersection Control Devices: Type, Location and Cycle Timing: 45 MPH (Min. 35 MPH) (2) | 3 Phase

Traffic Stations (Current Year): B74 0030 00486 | B74 0030 00511 | B74 0030 00611

HPMS Sections – AADT 2015: 29,478 | 24,091 | 26,500

HPMS Sections – AADT 2014: N/A | N/A

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

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
- (30C–01–92M (R) 1993) NH–030–1(25) Resurface 1996 | HWY–M–01–99M (R) 2000
- (30D–01–82M (R) 1982) 30C–01–86M (R) 1986 | 30C–01–88M (R) 1988 | 30C–01–90M (R) 1990 | HES–STP–030–1(20) 1994 | 30C–01–90M (R) 1990
- 30CD–01–84(Shldr. Imprv.) 1985 | ROS–030–1(14) Safety Imprv. 1979 | LT–M–01–78 (R) 1979 | ROS–030–1(12) 1977
- 30BC–01–70 (1970) | 30BC–01–71, (R) 1971 | Resurf 1950 | 30C–01–75M Resurf 1975
- FAP – 13G 1936 | NRH – 13C 1934 | NRH – 13D 1935 | F–30(5) 1953

SCALE: (In Miles) 4" = 1 mile

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.
Jan 16	E.P.J.
Jan 17	E.P.J.

ROAD INVENTORY

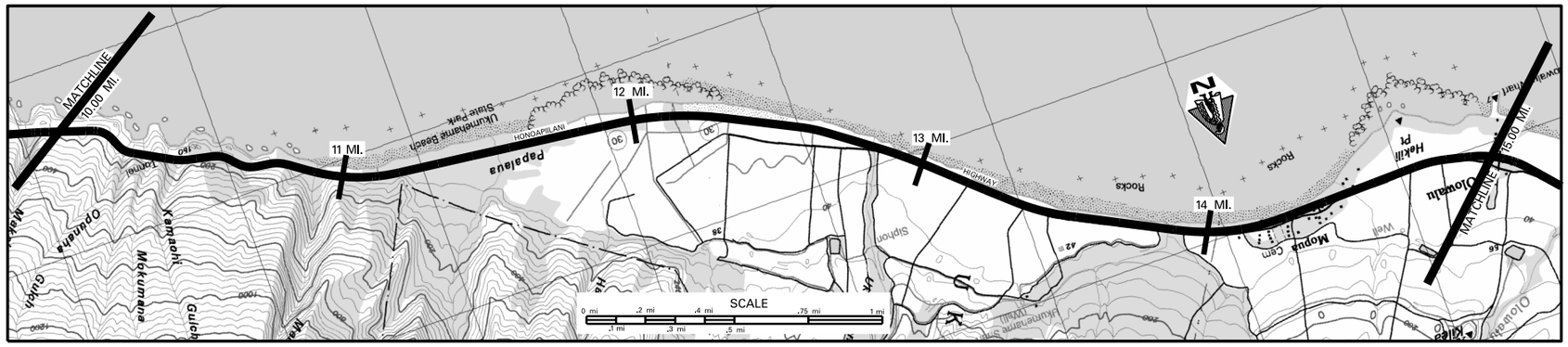
MAUI RTE 30
HONOAPIILANI HWY

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: 41.615 miles
- a. Survey Length: 41.615 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: Tunnel 1950 (10.34); RC, Flat Slab H20, 1950 (12.62)
- Vertical Clearance: 35'
- Horizontal Clearance
- Vertical Clearance: 44'

Structure Over Road

- Horizontal Clearance

Right of Way Width (min.–max.) if varies: (120'–490') (10.03); 80'–345' (12.46)

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.

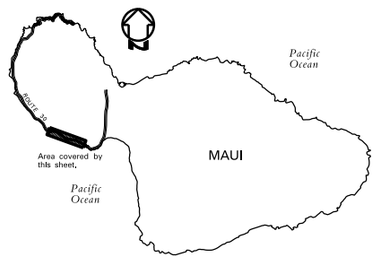
Right of Way Fence: Type – Right and Left: Rock Fall Protection (10.40–11.07); Wire (11.72–10.79)

Control of Access: 1–None, 2–Partial, 3–Full: None; (NH–030–1(053), Guardrail & Shoulder Improvements, 2016)

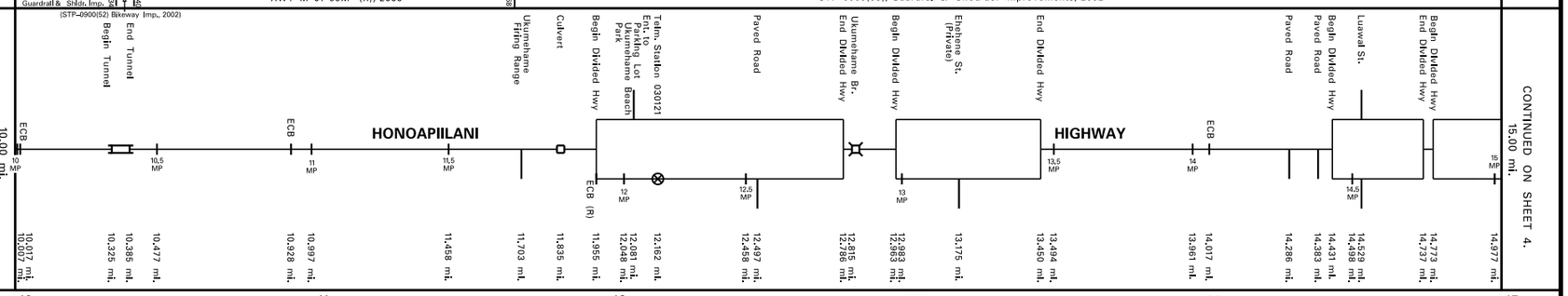
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State; 109+00 (13.14); 99+00 (13.35); 32+00 (14.62)

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

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



SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided

- Shoulder: Width and Type (Combination Shldr./Bike Route from 6.83mi. to 20.23mi.): 8'–10' AC; 8'–10' AC; 18'–20' AC; 8' AC; 10' AC; 4' AC; 6' AC; 4' AC/ 6' Grs
- Pavement: Width and Type: (5' PCC); 24' AC; 12' AC; 24' AC; 12' AC; 24' AC; 12' AC; 12' AC
- Shoulder: Width and Type (Combination Shldr./Bike Route from 6.83mi. to 20.23mi.): 6'–8' AC; 8'–10' AC; 6' AC; 0; 6' AC; 0; 6' AC; 0; 0

Divided

- Median: Width and Type: 0'–12' Painted AC; 0'–12' Painted AC; 0'–10' Painted; 0'–10' Painted
- Shoulder: Width and Type: 0; 0; 0; 0
- Pavement: Width and Type: 12' AC; 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; 6' AC

Number of Traffic Lanes: 2–12'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number All Metal Rails on Metal Posts unless otherwise noted. CB = Concrete Barrier; 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 (10.40); B (10.47); A (10.53); C (10.72); D (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; C (10.70); (10.95); A (11.08); B (11.42); A

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Mountainous (3); Rural (99999); Flat (1)

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B74 0030 00611

HPMS Sections – AADT 2015: 26,500

HPMS Sections – AADT 2014: N/A; N/A

HPMS Sections – AADT 2013: 24,656; 24,600; 28,161

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); NH–030–1(047) PAVE. PREV. MAIN. 2014; (HES–STP–030–1(19)); HWY–M–01–99M (R), 2000; 30C–01–90M, (R), 1990; LT–M–01–78 (R) 1979; ROS–030–1(14) 1979 Safety Improv.; 30C–01–90M (R) 1990; 30AC–01–87M (R) 1988; (30C–01–78, GR/Shldr., 1981); STP–030–1(21) (R) 1994; ROS–030–1(12) 1977; 30C–01–78 (Guardrail & Shldr.) 1981; 30AC–01–87M (R) 1989; 30C–01–78 G.R. & Shldr., 1981; 30C–01–75M (R) 1975; 30C–02–72 (R) 1972; (F–30(5) 1953); F–30(3) 1951; F–30(3) 1950

SCALE: (In Miles) 4" = 1 mile

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.
Jan 16	E.P.J.
Jan 17	E.P.J.

ROAD INVENTORY

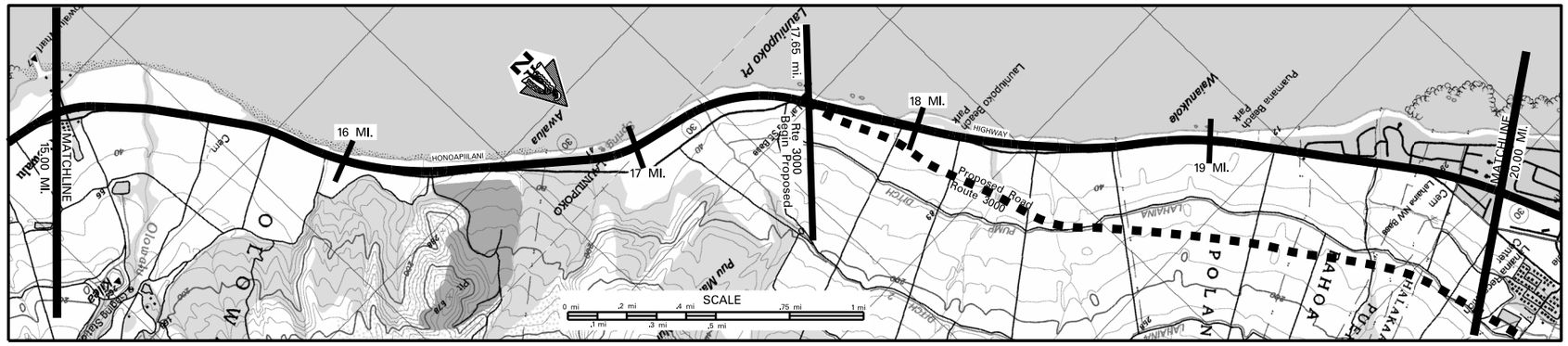
MAUI RTE 30
HONOAPIILANI HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

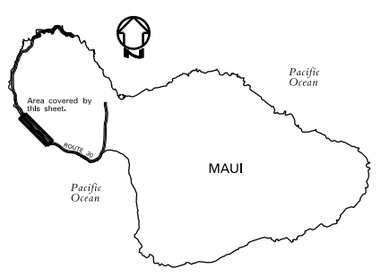
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 41.615 miles
a. Survey Length: 41.615 miles
b. Proposed Length: 0.00 miles
c. Other Length: 0.00 miles



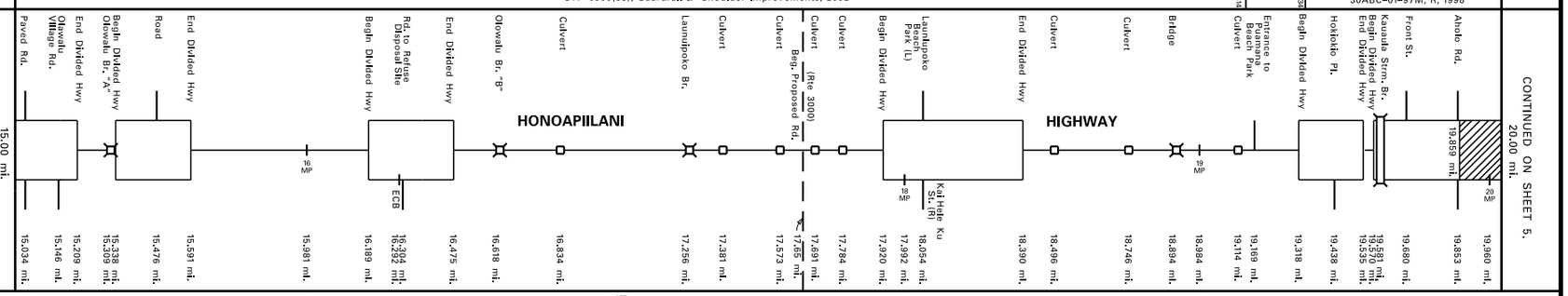
SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description																					
Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed		RC, Flat Slab H15, 1938 62'				RC Flat Slab, 1938, H15 26'				RC Flat Slab, 1938, H15 42'								Conc. Slab, 1971, HS 20 27'		
	Vertical Clearance																				
	Horizontal Clearance		24'				24'				24'								44'		
Structure Over Road	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																(STP-030-1(39), Widening, 2011) 155 + 50 / 128 + 00		
Project No., Type of Construction, and Year Constructed			30C-01-06-M, Resurf., 2008																(STP-0900(53) (G,R,/Shldr., 2002)		
Project No., Type of Construction, and Year Constructed			STP-0900(53), Guardrail & Shoulder Improvements, 2002																30ABC-01-97M, R, 1998		



Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP = Milepost Signage



SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided	Shoulder: Width and Type (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	12' AC	24' AC				12' AC	24' AC		(5' AC/ 10' Dirt)	12' AC	(24' AC)	12' AC	11' 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		12' Raised Trees & Shrubs w/ Curbs		
	Median Barriers:																				
	Shoulder: Width and Type	0		0		0					0				0		0				
	Pavement: Width and Type	12' AC		12' AC		12' AC					12' AC				12' AC		12' AC		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'												1–11' 2–11'		
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)		10' T.L.s		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.s		
Curb and/or Gutter: Type (Right and Left)																			Conc. Curb		
Protective Devices: Type, Location and Number	All Metal Rails on Metal Posts unless otherwise noted, CB=Concrete Barrier																				
Illumination: Type, Location and Number																					
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)							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				
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 00611						B74 0030 01765					B74 0030 01944				
HPMS Sections – AADT 2015							26,500					31,529					33,348				
HPMS Sections – AADT 2014							N/A								N/A						
HPMS Sections – AADT 2013							28,161					25,700					34,300				
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														
				15.33			STP-030-(21) (R) 1994										19.34	19.60	30-BC-01-87M (R) 1987		
			15.19	(30C-01-78 GR &Shldr, 1981)	30C-01-82M (R) 1982		30C-02-90 (GR & Shldr), 1991					17.91	30BC-02-86 Improvements, 1987								
					30C-02-72 Resurface 1972	16.20							30C-01-85M (R) 1985					19.49	F-30(1) 1957		
			F-30(3) 1950	15.27			F-30(4) 1951					16.83			F-30(1) 1957						
				0 + 00 / 136 + 50								17.84 / 0 + 00 / 235 + 90.71			F-30-1(1) 1956						
SCALE: (In Miles) 4" = 1 mile																					

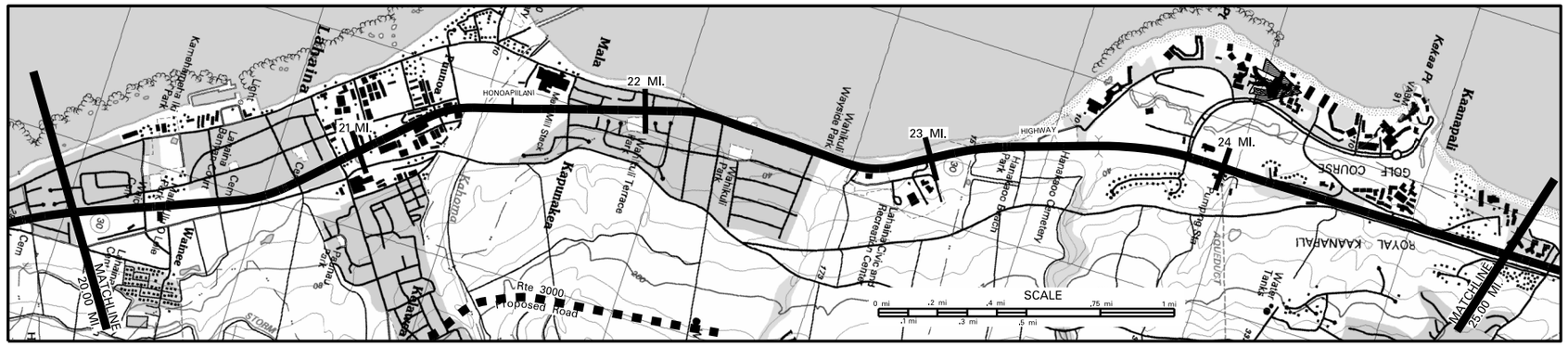
Date Released	
Aug 2003	D.B.
Revised	
Aug 04	D.B.
Mar. 05	D.B.
Nov. 06	D.B.
Mar. 09	D.B.
Dec. 09	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.
Jan 16	E.P.J.
Jan 17	E.P.J.

ROAD INVENTORY
MAUI RTE 30
HONOAPIILANI HWY

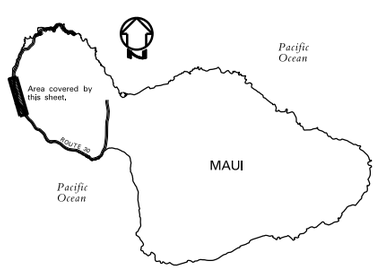
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Route Length: 41.615 **miles**
a. Survey Length: 41.615 **miles**
b. Proposed Length: 0.00 **miles**
c. Other Length: 0.00 **miles**

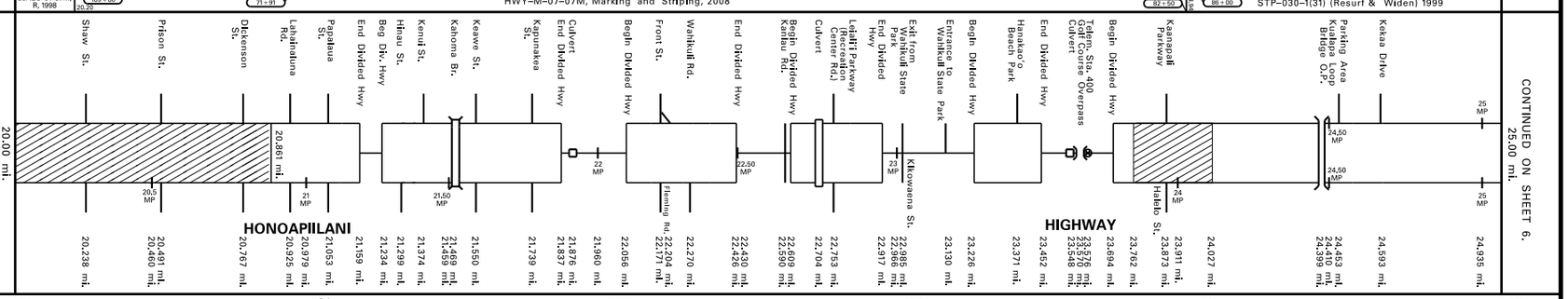


SCALE: (In Miles) 4" = 1 mile	20 – 25
Maintenance Control Sections: Length and Description	30 C (15.33 MI.) — 20.53 End 30 B, Beg 30 C on Honoapiilani Hwy at the centerline intersection with Prison St. — 30 B (1.75 MI.) — End 30 A, Beg 30 B on Honoapiilani Hwy at the centerline intersection with Wahikuli Rd. 22.28 — 30 A (13.59 MI.)
Structure Carrying Road – Bridges (Over 20'): Length, Type, Capacity and Year Constructed	RC Twin Box Culvert, 1957 H 20 (21.48) 44'; Tee Beam 1969 (23.58); Pre Stressed Concrete Girder HS-20-44, 1969,1999 (24.41) 45'-4"
Structure Carrying Road – Vertical Clearance	
Structure Carrying Road – Horizontal Clearance	44' (21.48)
Structure Over Road – Vertical Clearance	16.8' (23.58); 16.5' (24.41)
Structure Over Road – Horizontal Clearance	47' (23.58); 74' (24.41)
Right of Way Width (min.–max.) if varies	76'–280' — 22.40 — 80'–190'
Available Right of Way Width (Needs Study)	(R) 1000' Clear Cane Field, 50' from E.P. (L) Beach & Residential Area — 20.82 Residential 21.30 — 21.40 Clear Canefield 21.80 — Residential 22.70 — Brush & Trees 23.62 — Residential/Recreation
Right of Way Fence: Type – Right and Left	Various 20.24; 20.26 Chain Link 20.49; 20.80 20.86; 20.81 Various 21.04; 21.20 Chain Link; 21.89 Various 22.00; 24.21 Rock Fall Protection 24.55
Control of Access: 1–None, 2–Partial, 3–Full	None
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	72+00; State; 86+00
Project No., Type of Construction, and Year Constructed	STP-030-1(39), Widening, 2011 → 20.91 20.92 — STP-030-1(048),Pav. Prev. Maintenance,2015 — 23.98 23.99 ← STP-030-1(049), Preventive Maintenance, 2014
Project No., Type of Construction, and Year Constructed	30ABC-01-97M, R, 1998 20.20 109+80 — 71+91 — HWY-M-07-07M, Marking and Striping, 2008 — 82+50 23.94 86+00 STP-030-1(31) (Resurf & Widen) 1999



▨ Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP = Milepost Signage



SCALE: (In Miles) 4" = 1 mile	20 – 25
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 20.93 → *4'-6' AC
Undivided – Pavement: Width and Type	22' AC; 44' AC; 22' AC; 44' AC; 22' AC; 44' AC; 22' AC; 44' AC; 22' AC; 44' AC; 22' AC .987 24' AC
Undivided – Shoulder: Width and Type * (Combination Shldr/Bike Route from 6.83mi. to 19.86 mi., 20.93 mi. to 31.20mi.)	0; 6'-8' *AC; 0; *6'-8' AC; 0; *6'-8' AC; 0; *6'-8' AC; 0; *6'-8' AC; (0'-10' Painted Median); 0
Divided – Median: Width and Type	12' Raised Trees and Shrubs with Curbs .861 0-10' Paint 21.159 21.234 0-12' Paint 21.837 22.056 0-11' Paint 22.426 22.609 0-11' Paint 22.917 23.226 0-11' Paint 23.452 23.694 23.762 23.91 24.010 24.027 4'-15' Painted AC
Divided – Median Barriers:	(10'-38' Grass (Raised)); (10'-38' Grass (Flush)); (10'-38' Grass (Raised))
Divided – Shoulder: Width and Type	0; 0; 0; 0; 0; 0
Divided – Pavement: Width and Type	22' AC; 22' AC; 22' AC; 22' AC; 22' AC; 22' AC .987 24' AC
Divided – Shoulder: Width and Type * (Combination Shldr/Bike Route from 6.83mi. to 19.86 mi., 20.93 mi. to 31.20mi.)	6'-8' AC 20.93 → *6'-8' AC; *6'-8' AC; *6'-8' AC; *6'-8' AC; *6'-8' AC; *6'-8' AC
Number of Traffic Lanes	4-11' .987 4-12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	.238 .300; .767 .820; .001 .107; .299 .360; .658 .739 .784 11' (L) T.L.; .171 11' (L) T.L. .344; 11' T.L. .753 .800; 1-11' (L) T.L. .371 1-11' Accel. Ln.; .873 .987 11' (R) T.L.; .414 .453 .513
(Right Side)	.124; .437 .490; .717 .861 .925 .977 .053; .472 .495 .550 .689; 11' (L) T.L. .112 .244 .270 11' T.L.; .694 11' T.L.; .312 .422; .676 2 (L) T.L.s @ 11' ea .98; .515 11' T.L.s .593
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	5' Conc. S.W. 20.93; MCB; 24.12 4' Concrete Gutter .57
Curb and/or Gutter: Type (Right and Left)	Conc. Curb 20.93; .148 .163 .374 .460 .474 .491 .522; .747; .171 .205 .346 .425; .871 .953 .976; .124 .337 .377 .597 .955; .16 4' Concrete Gutter 24.93
Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless otherwise noted. CB = Concrete Barrier MCB = Metal on top of Concrete Barrier	CB .238 .465 CB CB .745 .767 CB .909; CB; CB .736 .798 CB; CB; CB (Conc. Retaining Wall); CB Wood/Conc.; CB CB; .159 .412 .491 .562 .587 .716 .804
Illumination: Type, Location and Number	.031 .225 .490 .519 .529 .548 .590 2 250W HPS 20.78 .873 .955 .985; .428 .466 .485 .499 .652 .716 .768 .824 .936; .028 .146 .181 .233 .504 .557 .596 .678 .723 .786 .860; .125 .171; .515 .559 .584 .578 .627 .633; .834 23.90 .115 28 250W HPS @ Intersections from 23.90mi. to 26.11mi. .841
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 MCB 22.75 B 22.83 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 20.64 A 21.18 B 21.31 A 21.66 B 21.84 A 22.51 B 22.95 A 24.16 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) .700 .080 40 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	.238 3 Phase; 3 Phase .767; .925 4 Phase; .053 3 Phase; .299 3 Phase; .550 3 Phase; .739 3 Phase; .171 3 Phase; .753 3 Phase; Traffic Lights .873
Traffic Stations (Current Year)	B74 0030 01944 20.92 B74 0030 02092 21.55 B74 0030 02155 22.17 B74 0030 02217 B74 0030 02387
HPMS Sections – AADT 2015	33,348; 37,339; 38,495; 42,100 23.87 32,507
HPMS Sections – AADT 2014	N/A 20.77 N/A 20.98 N/A 21.74 N/A 22.26 N/A N/A
HPMS Sections – AADT 2013	34,300 20.72 35,100 20.93 35,162 22.26 41,100 23.89 30,900
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 0+86.12 0+00 — S-0300(1) 1958
SCALE: (In Miles) 4" = 1 mile	20 – 25

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.
Jan 16	E.P.J.
Jan 17	E.P.J.

ROAD INVENTORY

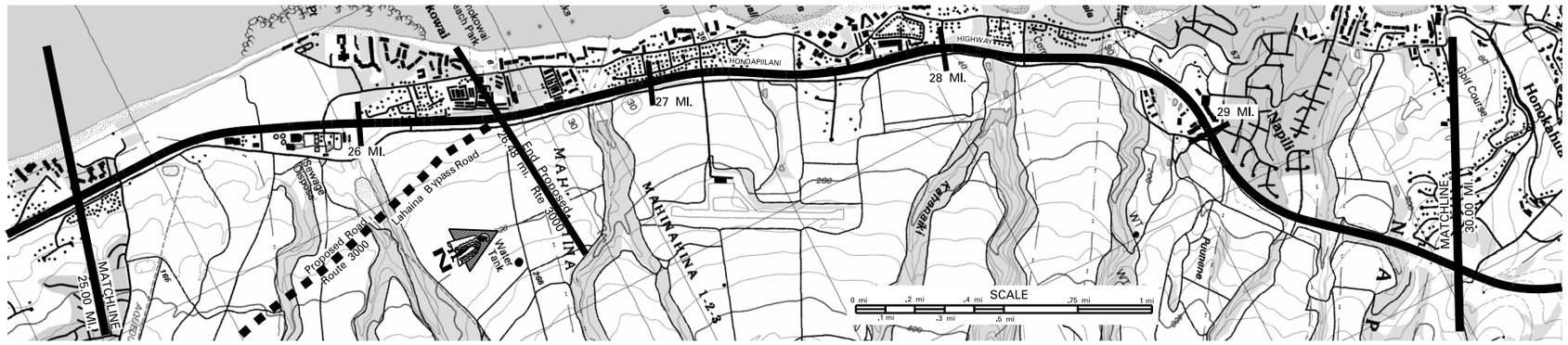
MAUI RTE 30
HONOAPIILANI HWY

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: 41.615 miles
a. Survey Length: 41.615 miles
b. Proposed Length: 0.00 miles
c. Other Length: 0.00 miles



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description: 30 A (13.59 MI.)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: Tee Beam HS 20-44 1926,1967,1999 (50'); Prestressed I-Beam HS-20-44 1981 (74')

Vertical Clearance: 24.98; 26.16

Horizontal Clearance: 68'; 47'

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.-max.) if varies: 80'-190'; 150'; 75'; 45'-190'; 90'; 140'-210'; 230'-320'; 300'-400'

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

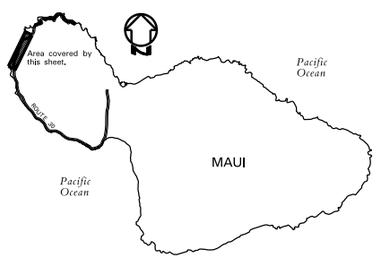
Right of Way Fence: Type - Right and Left: Chain Link

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

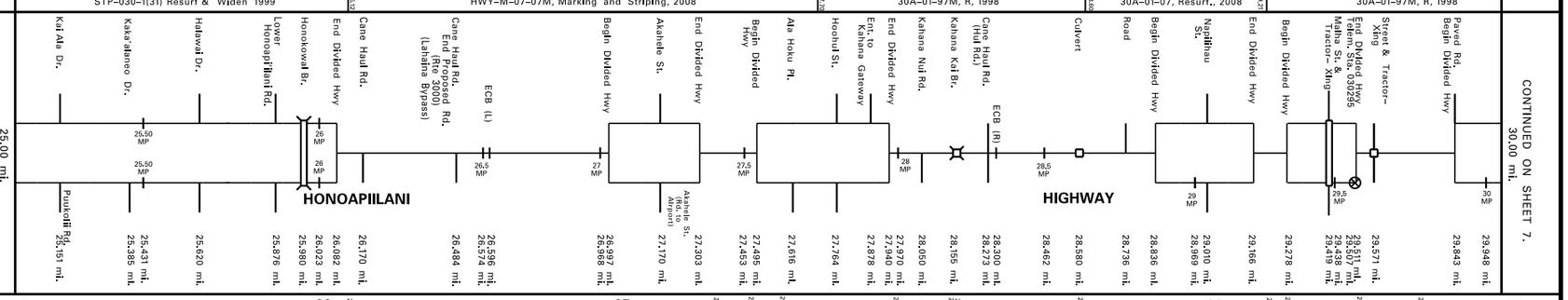
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State; 108+72 BL; 09+00 AH; 159+55; 191+65

Project No., Type of Construction, and Year Constructed: STP-030-1(049), Preventive Maintenance, 2014; STP-030-1(046), R, 2012; 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



SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided	Shoulder: Width and Type	*(Combination Shldr./Bike Route to 31.20 mi.)
	Pavement: Width and Type	
	Shoulder: Width and Type	*(Combination Shldr./Bike Route to 31.20 mi.)
	Median: Width and Type	
	Median Barriers:	
	Shoulder: Width and Type	
	Pavement: Width and Type	
	Shoulder: Width and Type	*(Combination Shldr./Bike Route to 31.20 mi.)

Number of Traffic Lanes

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless otherwise noted, CB=Concrete Barrier, MCB=Metal on top of Concrete Barrier

Illumination: Type, Location and Number

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban (99998)

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

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

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

Traffic Stations (Current Year): B74 0030 02387; B74 0030 02588; B74 0030 02776; B74 0030 02903

HPMS Sections - AADT 2015: 32,507; 19,400; 15,787; 7,600

HPMS Sections - AADT 2014: N/A; N/A; N/A; N/A

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

DOD Sections

Census Tracts

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

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

Previous Projects: Project No., Date and Limits

30A-01-96M (R) 1997; HWY-M-07-07M, Marking and Striping, 2008
30AC-01-87M & 30A-01-87, 1987; STP-030-1(23) Resurf 1996; 30A-01-97M, R, 1998
30AB-01-78M Resurf 1978
S-0300(1) 1958; RF-030-1(7) New Construction, 1977; F-030-1(13) New Construction, 1981; F-030-1(8) New Construction 1984

SCALE: (In Miles) 4" = 1 mile

Date Released	
Aug 2003	D.B.
Revised	
Aug 04	D.B.
Mar. 05	D.B.
Nov. 06	D.B.
Mar. 09	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.
Jan 16	E.P.J.
Jan 17	E.P.J.

ROAD INVENTORY

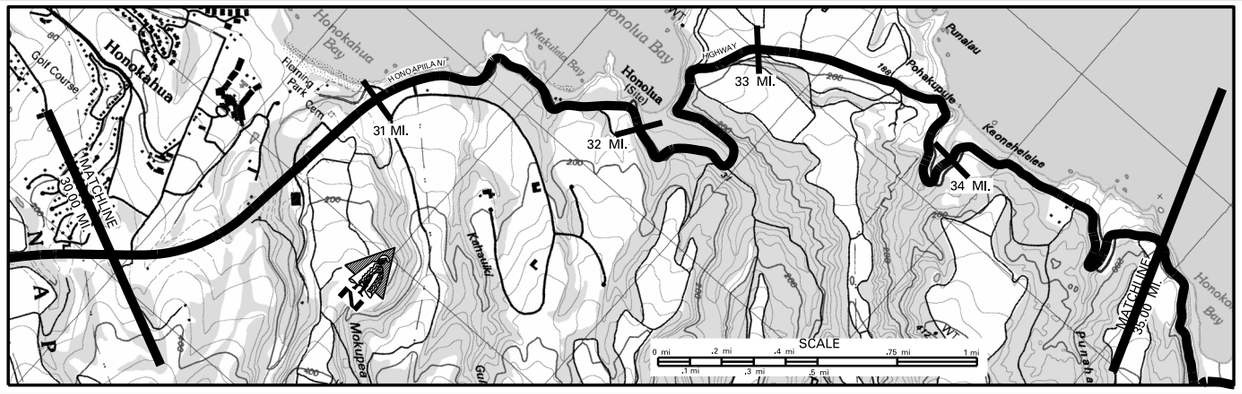
MAUI RTE 30
HONOAPIILANI HWY

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: 41.615 miles
- a. Survey Length: 41.615 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: 0.00 miles



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description: 30 A (13.59 MI.)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: Prestressed I-Beam HS-20-44 1986 (604') (52.55); S.S. Conc. Slab H-10 1924 (24') (32.40)

Vertical Clearance

Horizontal 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 (31.19); Chain Link (31.48, 31.61, 31.73, 32.76); Heavy Brush, Trees & Rocks (33.07); 1000' Clear Pineapple Fields 15' form E.P. (33.50); Heavy Brush & Rock (34.47, 34.63, 34.97); Wire on Wood (34.97)

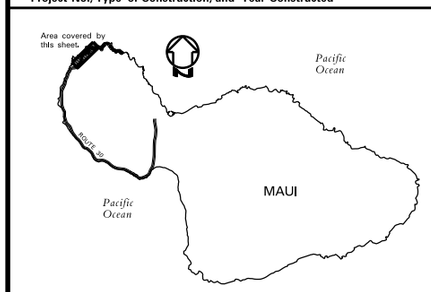
Right of Way Fence: Type - Right and Left

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State (206 + 71.27) (31.19)

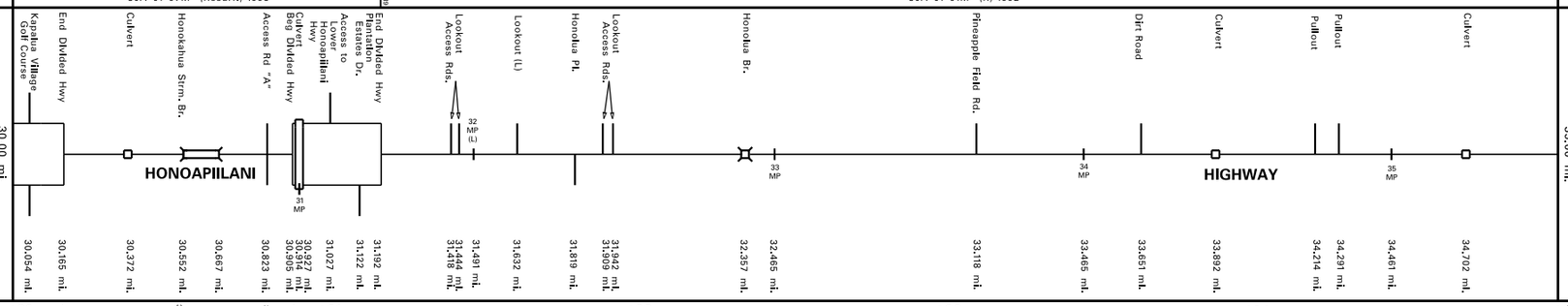
Project No., Type of Construction, and Year Constructed: 30A-01-10M, R, 2012

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



SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided

Shoulder: Width and Type *(Combination Shldr./Bike Route to 31.20 mi. - see arrows): *8' AC *(8' PCC) 24' PCC *8' AC 24' AC *10' AC 2' AC 4' AC 2' AC/4' Grs 2' AC 2' AC/4' Grs 2' AC

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

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

Divided Highway

Median: Width and Type: MILLED SHLD RUMBLE STRIP; MILLED C/L RUMBLE STRIP

Median Barriers:

Shoulder: Width and Type: 12' Painted AC 12' Painted AC

Pavement: Width and Type: 0 0

Shoulder: Width and Type *(Combination Shldr./Bike Route to 31.20 mi. - see arrows): 12' AC 12' AC; *10' AC *8' AC

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

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

(Right Side): 12' T.L.; 8' T.L.; 10' T.L.; 12' T.L.

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless otherwise noted. MCB = Metal on top of Concrete Barrier: MCB

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: Rolling (2); Mountainous (3); Flat (1); Rolling (2); Mountainous (3)

Speed: 1-Design, 2-Posted: 45 MPH (1); 35 MPH (1); 30 MPH (1); 25 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): (B74 0030 02903); B74 0030 03005

HPMS Sections - AADT 2015: (7,600); 4,300

HPMS Sections - AADT 2014: (N/A); N/A

HPMS Sections - AADT 2013: (7,400); 4,040; 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: (F-030-1(8) 1984 New Construction); F-030-1(18) 1986 New Construction; A 300-01-65 (R) 1963

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.
Jan 16	E.P.J.
Jan 17	E.P.J.

ROAD INVENTORY

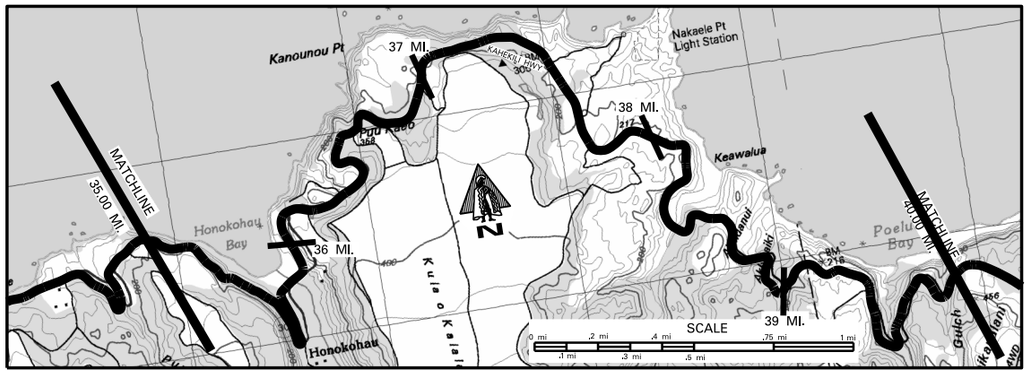
MAUI RTE 30
HONOAPIILANI HWY – KAHEKILI HWY

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: 41.615 miles
- a. Survey Length: 41.615 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: 0.00 miles



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description: 30 A (13.59 MI.) — Begin 30 A at the West End of Honokohau Bridge (35.00)

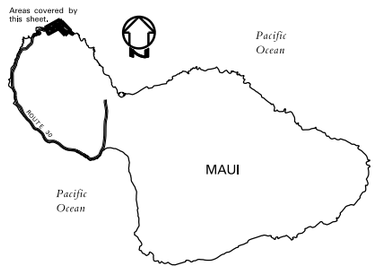
Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed	Concrete Girder 1924 (1966) HS–20 (36.87) 76'
Vertical Clearance	26'
Horizontal Clearance	Timber Stringer 1924 H–10 (38.49) 22'
Vertical Clearance	13'

Structure Over Road

Horizontal Clearance	

Right of Way Width (min.–max.) if varies	40'
Available Right of Way Width (Needs Study)	
Right of Way Fence: Type – Right and Left	Chain on Wood (35.88–36.88); Wire on Wood (37.47–38.14)
Control of Access: 1–None, 2–Partial, 3–Full	None
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	State (1905 + 00)
Project No., Type of Construction, and Year Constructed	30A–01–12M, Resurface, 2014
Project No., Type of Construction, and Year Constructed	30A–01–91M (R) 1992; 30A–01–07M, Repairs and Maintenance, 2008



Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET 7. 35.00 mi.

HONOAPIILANI HWY — 36.50 MP — KAHEKILI HIGHWAY

Honokohau Valley Rd. (35.398 mi.); Honokohau Br. (35.632 mi.); Road (35.827 mi.); Cattle Guard (36.169 mi.); Nakaele Point Light Station (36.465 mi.); Culvert (36.943 mi.); Bridge (Arakakuahhe Stream) (37.219 mi.); Culvert (37.613 mi.); Culvert (37.912 mi.); Cattle Guard & Kahakuloa Management Area Sign (38.415 mi.); Culvert (38.531 mi.); Culvert (38.932 mi.); Wailuku – Lahaina District Boundry (39.054 mi.); Culvert (39.190 mi.); Culvert (39.592 mi.); Culvert (39.645 mi.); Culvert (39.948 mi.)

CONTINUED ON SHEET 9. 40.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided: Shoulder: Width and Type	2' AC; 8'–10' Dirt; 2' AC; 2' AC/6' Grav.; 2' AC
Undivided: Pavement: Width and Type	22' AC
Undivided: Shoulder: Width and Type	2' AC; 2' AC/6' Dirt; 2' AC
Divided: Median: Width and Type	
Divided: Median Barriers:	
Divided: Shoulder: Width and Type	
Divided: Pavement: Width and Type	
Divided: Shoulder: Width and Type	
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)	AC Curb; 3'–5' AC Gutter; 3'–5' AC Gutters
Protective Devices: Type, Location and Number	All Metal Rails on Metal Posts unless otherwise noted. CB = Concrete Barrier
Illumination: Type, Location and Number	
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)	
Superelevation (Range)	
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)	
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	Rural (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Mountainous (3)
Speed: 1–Design, 2–Posted	25 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Stations (Current Year)	B74 0030 03005
HPMS Sections – AADT 2015	4,300
HPMS Sections – AADT 2014	N/A
HPMS Sections – AADT 2013	1,500; 1,952
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; 340D–01–93M (R) 1994; 330C–03–79 1970; A 300–01–66 (R) 1968; County; 340A–02–72, 1976

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.
Jan 16	E.P.J.
Jan 17	E.P.J.

ROAD INVENTORY

MAUI RTE 30
KAHEKILI HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

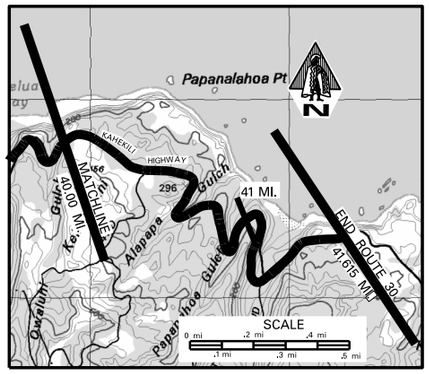
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 41.615 **miles**

a. Survey Length: 41.615 **miles**

b. Proposed Length: 0.00 **miles**

c. Other Length: 0.00 **miles**



SCALE: (In Miles) 4" = 1 mile

40 | 41 | 42 | 43 | 44 | 45

Maintenance Control Sections : Length and Description

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed — Timber Stringer 1927 H-10

Vertical Clearance — 25' (41.31)

Horizontal Clearance — 18'

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study)

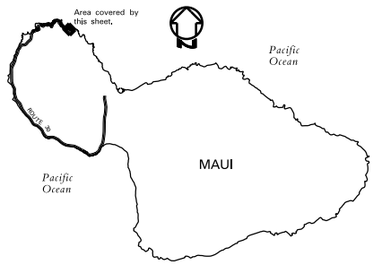
Right of Way Fence: Type – Right and Left

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

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

Project No., Type of Construction, and Year Constructed — 30A-01-12M, Resurface, 2014 (7209 + 50)

Project No., Type of Construction, and Year Constructed — 30A-01-07M, Repairs and Maintenance, 2008 (2211 + 50) (40.09)



Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET 8.

40.00 mi.

Culvert — 40.135 mi.

KAHEKILI HIGHWAY — 41 MP — 40.579 mi. — 41.50 MP — 40.945 mi.

Bridge (Papanahoa Strm.) — 41.261 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '14 VIDEOLOG & '14 FEATURES DATABASE.
END RTE 30 ON KAHEKILI HIGHWAY
0.35 MI. EAST OF PAPANAHOA STR.
BRIDGE @ END OF STATE HWY SIGNS.
*41.615 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 — 22' 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 — 2–11'

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 3'-5' AC Gutters

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

Illumination: Type, Location and Number

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: — Rural (99999)

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year) — B47 0030 03005

HPMS Sections – AADT 2015 — 4,300

HPMS Sections – AADT 2014 — N/A

HPMS Sections – AADT 2013 — 1,952

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.
Jan 16	E.P.J.
Jan 17	E.P.J.

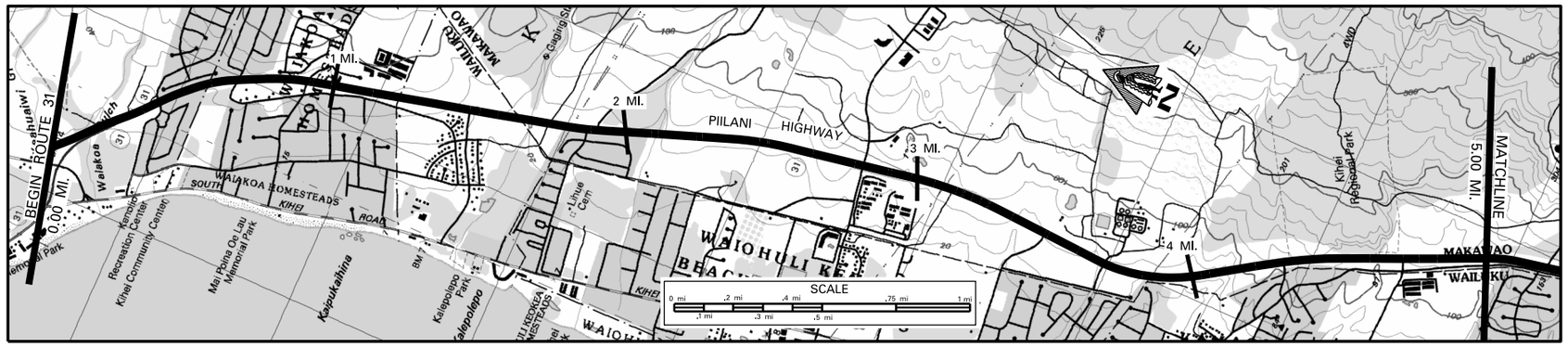
ROAD INVENTORY
MAUI RTE 31
PIILANI HIGHWAY

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: 7.149 miles
- b. Proposed Length: 4.861 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

PRE-STRESSED CONC. GIRDER N.B. 162' – 8", 2008; S.B. 150' — PRESTRESSED I-BEAM 1981 — 150' — 130' — PRESTRESSED I-BEAM 1981 — 49'

N.B. 67'-6"; S.B. 48' — 48' — 48' — 48'

Right of Way Width (min.–max.) if varies: 270' – 320' — 105' – 225'

Available Right of Way Width (Needs Study)

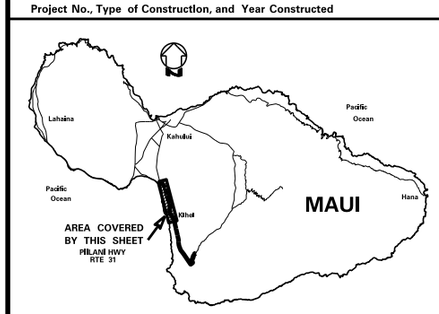
Right of Way Fence: Type – Right and Left: WIRE FENCE — WIRE FENCE — CHAINLINK

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-A31(14), WIDEN 2008 — STP-0900(58), GUARDRAIL & SHOULDER IMPR., 2004 — 31AB-01-02, WIDENING, 2003 — 31A-01-07M, RESURFACE, 2009 — ARR-031-1(11), PREVENTIVE MAINTENANCE, 2010 — (31AB-01-02, WIDENING, 2003)

Project No., Type of Construction, and Year Constructed: STP-0900(58), GUARDRAIL & SHOULDER IMPR., 2004



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)

0.00 mi. Waiakoa–Uka Begin (New) 0.142 mi. — Kaiwahine St — Mai Place — Ohukai Road — End Divided — Manao Kula Road — Begin Divided — Kaonoulu Street — Kulanihakoi Gulch Bridge End Divided — Begin Divided — Kulanihakoi Street — Waipuilani Gulch Bridge End Divided E C B — E. Waipuilani Rd. — Begin Divided — PIIKea Avenue — Lipoa Pkwy — End Divided — Begin Divided Keiki Gulch Bridge Telem. Sta. 31069 — Waikahao Rd — Old Waikahao Rd — End Divided — Kanani Rd Culvert Begin Divided — End Divided — Begin Divided — Alanui Ke Ali'i Dr. — End Divided — CONTINUE ON SHEET #2. 5.00 mi.

PIILANI HIGHWAY

Waiakoa Gulch Bridge 0.138 mi. — Uwapo Rd 0.393 mi. — 0.471 mi. — 0.673 mi. — 0.916 mi. — 1.053 mi. — 1.174 mi. — 1.364 mi. — 1.435 mi. — 1.471 mi. — 1.653 mi. — 1.669 mi. — 1.756 mi. — 1.871 mi. — 2.019 mi. — 2.068 mi. — 2.094 mi. — 2.256 mi. — 2.412 mi. — 2.468 mi. — 2.603 mi. — Lipoa St. 2.809 mi. — 2.964 mi. — 3.257 mi. — 3.297 mi. — 3.392 mi. — 3.471 mi. — 3.699 mi. — 3.848 mi. — 4.223 mi. — 4.284 mi. — 4.315 mi. — 4.355 mi. — 4.468 mi. — 4.607 mi. — 4.717 mi. — 4.935 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided
- Shoulder: Width and Type (COMBINATION SHOULDER AND BIKE ROUTE FROM 0.00 – 5.93 MILE): 8' AC — 10' AC — 8' AC — 6' – 8' A C
- Pavement: Width and Type: 24' AC — 22' AC — 44' AC — 22' AC — 44' AC — 22' AC — 44' AC — 22' AC — 44' AC — 22' AC — 44' AC — 22' AC — 44' AC
- Shoulder: Width and Type (COMBINATION SHOULDER AND BIKE ROUTE FROM 0.00 – 5.93 MILE): 4' AC — 10' AC — 4' AC — 0' — 6' – 8' AC — 0' — 6'–8' AC — 0' — 6' – 8' AC — 0' — 6' – 8' AC — 0' — 6' – 8' AC — 0' — 6'–8' AC — 0' — (6'–8' AC)

Divided Highway — Median
- Median: Width and Type: 10'–70' FLUSH GRASS — 0'–15' PAINT — 0' – 11' PAINT — 0' – 12' Painted AC — 0' – 12' Painted AC — 0' – 12' Painted AC — 0' – 12' Painted AC — 0' – 12' Painted AC — 0' – 12' Painted AC — 0' – 12' Painted AC (GUARDRAILS)
- Shoulder: Width and Type: 4' AC — 10' AC — 4' AC — 0' — 0' — 0' — 0' — 0' — 0'
- Pavement: Width and Type: 24' AC — 22' AC — 22' AC — 22' AC — 22' AC — 22' AC — 22' AC
- Shoulder: Width and Type (COMBINATION SHOULDER AND BIKE ROUTE FROM 0.00 – 5.93 MILE): 8' AC — 10' AC — 8' AC — 6' – 8' AC — 6' – 8' AC — 6' – 8' AC — 6' – 8' AC — 6' – 8' AC — 6' – 8' AC

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

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): (1–12') — (2–12')

(Right Side): 11' TLs — 10' AC shared-use path — 11' TLs — 11' TLs — 11' TL — 11' TLs — 11' TLs — 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): CONCRETE GUTTER

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

Illumination: Type, Location and Number

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

Superelevation (Range)

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

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

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

Traffic Stations (Current Year): B74 0031 00000 — B47 0031 00281

HPMS Sections – AADT 2015: 36,900 — 34,500

HPMS Sections – AADT 2014: N/A — N/A

HPMS Sections – AADT 2013: 33,700 — 22,083

DOD Sections

Census Tracts

Functional Classification: PRINCIPAL ARTERIAL (3)

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

Previous Projects: Project No., Date and Limits:
- 0.00 STP-0900(58), GUARDRAIL & SHOULDER IMPR., 2004
- 31AB-01-02, WIDENING, 2003
- 31AB-01-02, WIDENING, 2003
- STP-031-1(8) RESURFACING 1996
- TQF-RF-031-1(6) 1981
- 31B-01-94, 1994
- TQF-RF-031-1(6) 1981
- [HWY-M-05-04 IMPR. 2006]
- 31AB-01-02, WIDENING, 2003

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.
Jan 16	EPJ
Jan 17	EPJ

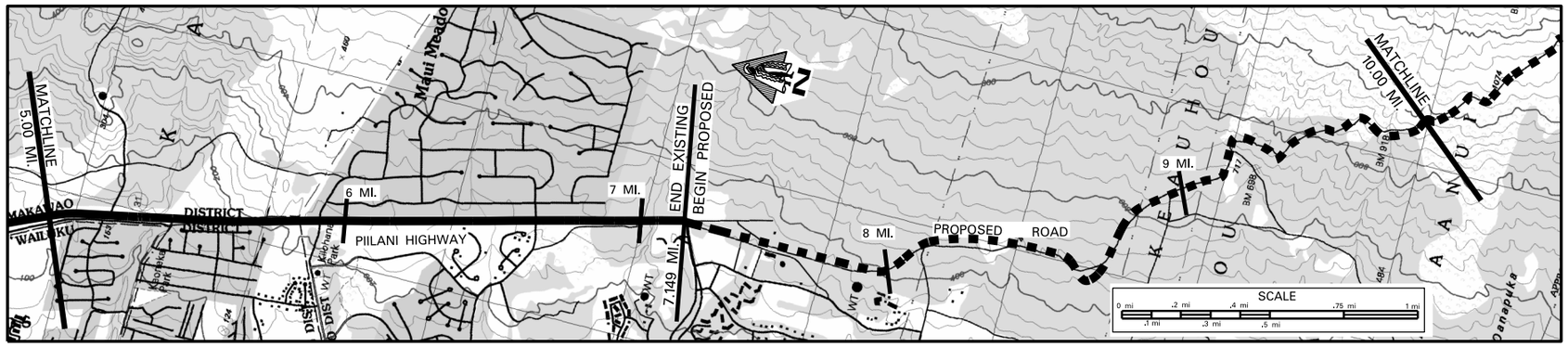
ROAD INVENTORY
MAUI RTE 31
PIILANI HIGHWAY

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: 7.149 miles
- b. Proposed Length: 4.861 miles
- c. Other Length: 0.00 miles

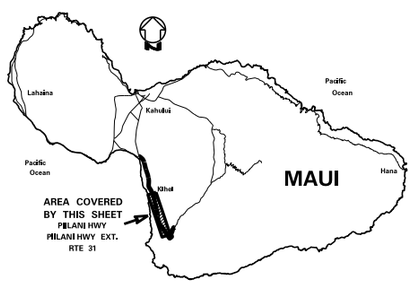


SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

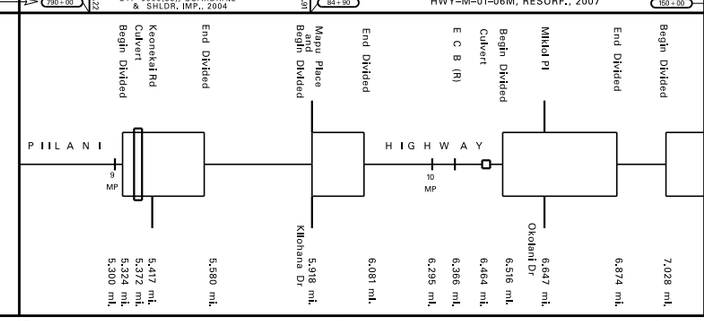
Structure Carrying Road: Bridges (Over 20'): Length, Type, Capacity and Year Constructed
Structure Carrying Road: Vertical Clearance
Structure Carrying Road: Horizontal Clearance
Structure Over Road: Vertical Clearance
Structure Over Road: Horizontal Clearance

Right of Way Width (min.–max.) if varies: 105' – 225' (5.41); 105' – 305' (5.41 – 7.72)
Available Right of Way Width (Needs Study)
Right of Way Fence: Type – Right and Left: CHAINLINK (5.41 – 5.65); CHAINLINK (5.65 – 5.92; 6.45 – 6.47; 6.49 – 6.62; 6.64 – 6.78; 6.80 – 6.87; 7.22)
Control of Access: 1–None, 2–Partial, 3–Full: NONE (5.92 – 7.22)
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE (5.92 – 7.22)
Project No., Type of Construction, and Year Constructed: ARR–031–1(11), PREVENTIVE MAINTANCE, 2010 (5.92 – 7.22)
Project No., Type of Construction, and Year Constructed: (31AB–01–02, WIDENING, 2003); STP–0900(58), GUARDRAIL & SHLDR. IMP., 2004 (5.22 – 5.97); HWY–M–01–06M, RESURF., 2007 (5.97 – 7.149)

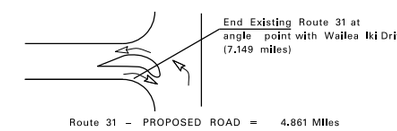


Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP = Milepost Signage



* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '14 VIDEOLOG & '14 FEATURES DATABASE.
Begin proposed on Piilani Highway at the centerline of Wailea Ike Drive
*7.149 mi.



NO TRAVELWAY

Continued on sheet # 3

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided:
- Shoulder: Width and Type: 6' – 8' AC (5.300 – 5.417); 10' AC (5.417 – 7.028)
- Pavement: Width and Type: 44' AC (5.300 – 5.324); 22' AC (5.324 – 5.372); 44' AC (5.372 – 5.417); 33' AC (5.417 – 5.580); 22' AC (5.580 – 5.918); 12' AC (5.918 – 6.081); 24' AC (6.081 – 6.516); 12' AC (6.516 – 6.647); 24' AC (6.647 – 6.874); 12' AC (6.874 – 7.028)
- Shoulder: Width and Type: 6' – 8' AC (5.300 – 5.417); 0' (5.417 – 5.580); 6'–8' AC (5.580 – 5.918); 0' (5.918 – 6.081); 10' AC (6.081 – 6.516); 0' (6.516 – 6.647); 10' AC (6.647 – 6.874); 0' (6.874 – 7.028)

Divided Highway – Median:
- Median: Width and Type: 0' – 12' Painted AC (5.324 – 5.580); 0' 14' Painted AC (5.918 – 6.081); 0' – 14' Painted AC (6.516 – 6.874); 0' – 25' Painted AC (6.874 – 7.028)
- Median Barriers: Raised Curb, Flush AC (7.028 – 7.149)
- Shoulder: Width and Type: 0' (5.324 – 5.580); 0' (5.918 – 6.081); 0' (6.516 – 6.874); 0' (6.874 – 7.028)
- Pavement: Width and Type: 22' AC (5.324 – 5.580); 12' AC (5.918 – 6.081); 12' AC (6.516 – 6.874); 12' AC (6.874 – 7.028)
- Shoulder: Width and Type: 6'–8' AC (5.324 – 5.659); 10' AC (5.918 – 6.081); 10' AC (6.516 – 6.874); 10' AC (6.874 – 7.028); 0' (7.028 – 7.149)

Number of Traffic Lanes: 4 – 11' (5.300 – 5.580); 2 – 11' (5.580 – 5.659); 1 – 11' (5.659 – 5.918); 2 – 12' (5.918 – 7.028)
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
(Right Side)
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left)
Curb and/or Gutter: Type (Right and Left)
Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless otherwise noted.
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 (5.300 – 7.028); (B) (7.028 – 7.149)
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 (5.300 – 5.49); C (5.49 – 5.72); B (5.72 – 7.028)
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: 40 MPH (2); 45 MPH (1); 45 MPH (2); 35 MPH (2); 20 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year): B74 0031 00281; B74 0031 00592; B74 0031 00715 (PROPOSED); B74 0031 00777 (PROPOSED)
HPMS Sections – AADT 2015: 34,500; 15,780
HPMS Sections – AADT 2014: N/A; N/A
HPMS Sections – AADT 2013: 22,083; 33,000
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.
Jan 16	E.P.J.
Jan 17	E.P.J.

ROAD INVENTORY

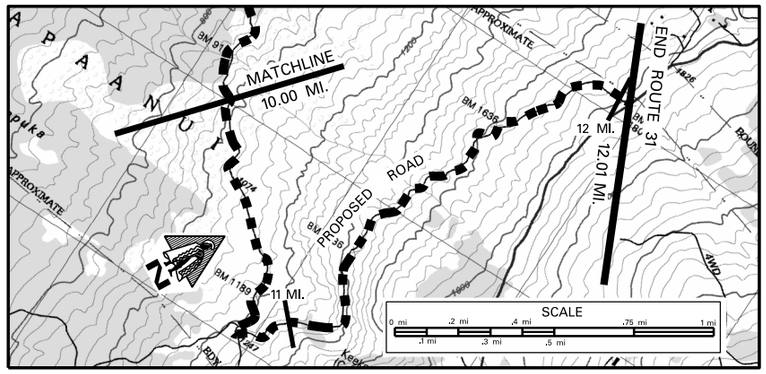
MAUI RTE 31
PIILANI HIGHWAY

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: 7.149 miles
- b. Proposed Length: 4.861 miles
- c. Other Length: 0.00 miles



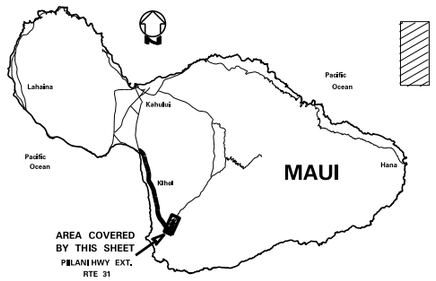
SCALE: (In Miles) 4" = 1 mile

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

Continued from sheet # 2

10.00 mi.

Route 31 – PROPOSED ROAD = 4.86 Mile

NO TRAVELWAY

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

END ROUTE DESCRIPTION
0.00 mi.

SCALE: (In Miles) 4" = 1 mile

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

Divided Highway
- 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 00277 (PROPOSED)
HPMS Sections – AADT 2015
HPMS Sections – AADT 2014
HPMS Sections – AADT 2013
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.
Jan. 16	E.P.J.
Jan. 17	E.P.J.

ROAD INVENTORY
MAUI RTE 32
MAIN ST. – KAAHUMANU AVE.

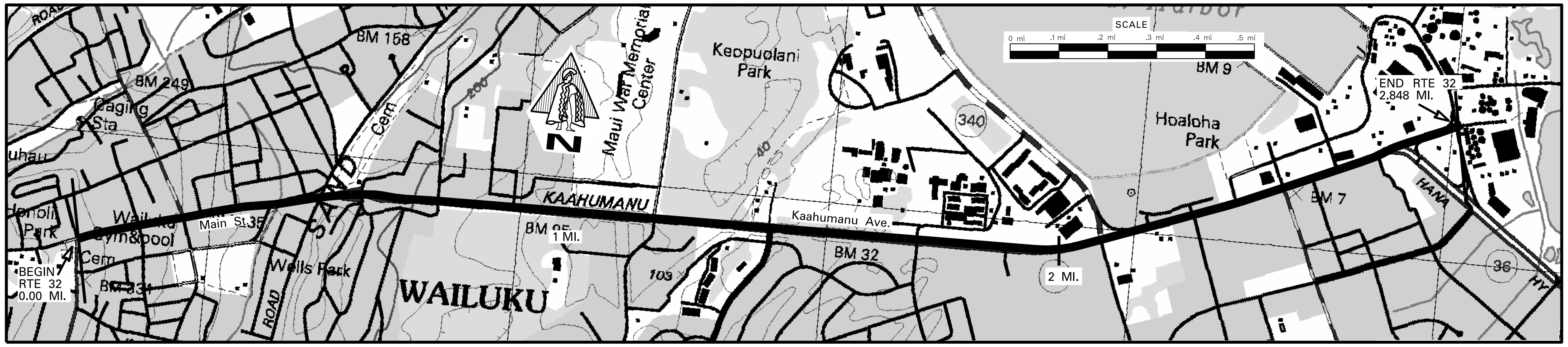
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

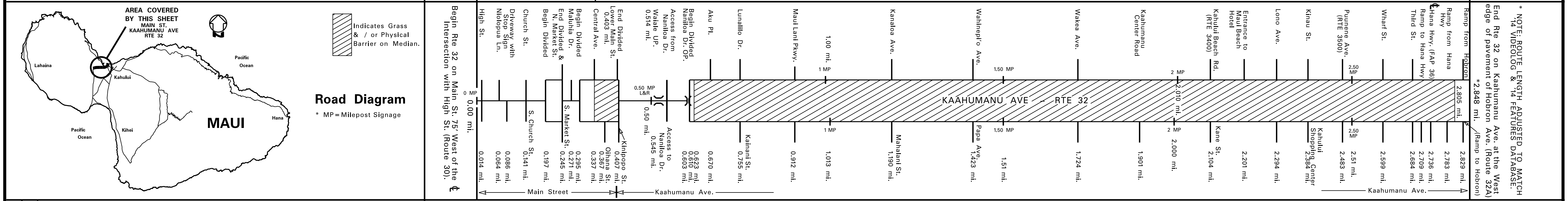
Total Designated Route Length: 2.848 MILES (a + b)
a. Existing Length: 2.848 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 2.848 MILES (a + b, less c)
a. Existing Length: 2.848 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: 0.00 MILES (–)

NEEDS STUDY ROUTE NO. ______________ FUNCTIONAL CLASSIFICATION ______________



Scale: 1" = 0.15 mile

	0 – 1 – 2 – 3
Maintenance Control Sections : Length and Description	0.01 Begin 32 A at the ℄ of High St.; 32 A (2.84 Mi.); End 32 A on Kaahumanu Ave. at the ℄ Intersection with Hobron St.
Structure Carrying Road – Bridges (Over 20'): Length, Type, Capacity and Year Constructed	Steel Multistringer 1936 H15 79' (0.51); Conc. Frame 1936 H15 (0.60)
Structure Carrying Road – Vertical Clearance	
Structure Carrying Road – Horizontal Clearance	34'
Structure Over Road – Vertical Clearance	14' 10"
Structure Over Road – Horizontal Clearance	45'
Right of Way Width (min.–max.) if varies	50' (0.60); 115' – 265' (2.03); 125' – 160' (2.22); 100' – 145' (2.69); 80' – 100'
Available Right of Way Width (Needs Study)	Urban / Commercial (0.76); Bushes with Slight Cut Slope (1.75); Urban / Commercial
Right of Way Fence: Type – Right and Left	(Chain Link 50' from Edge of Pavement) 0.76 – 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)	8+06.93; State; 4+29.26
Project No., Type of Construction, and Year Constructed	0.01; NH–032–1(010), Resurface, 2016
Project No., Type of Construction, and Year Constructed	STP–NH–0900(62), RESUFR., 2004 (0.34); NH–032–1(8), Resurface, 2002



Scale: 1" = 0.15 mile

Undivided / Divided Highway:
- 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

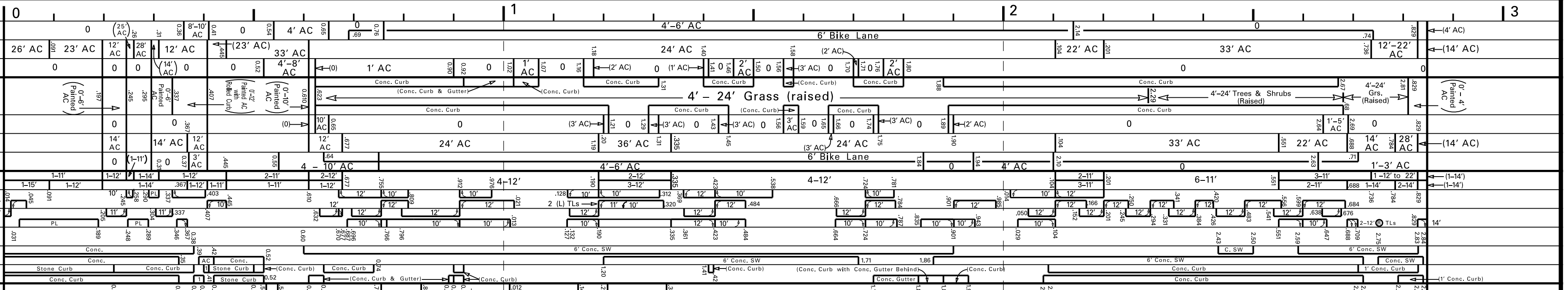
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) PL = 8' Parking Lane

(Right Side) PL = 8' Parking Lane

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

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left) 1 = AC Curb



	0 – 1 – 2 – 3
Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless otherwise noted.	
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 0.04 B 0.06 A 0.24 B A C B 0.32 A 0.38 B 0.42 A 0.58 C 0.68 A 0.70 B 0.74 A 1.96 B 2.04 A 2.67 B C 2.72 A
Superelevation (Range)	0.26 0.28 0.30; 2.70
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)	0.15 C 0.51 D 0.98 B 2.83 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) .532 .770; 45 MPH (2) .968 .140; 30 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing — Ph. = Phase	3 Ph.; .245 3 Ph.; .337 3 Ph.; .755 3 Ph.; .912 4 Ph.; .190 4 Ph.; .423 4 Ph.; .724 4 Ph.; .901 3 Ph.; .104 3 Ph.; .294 3 Ph.; .483 4 Ph.; .599 3 Ph.
Traffic Stations (Current Year)	.014 B74 0032 00000; B74 0032 00024 (0.40); B74 0032 00040; B74 0032 00119 (1.42); B74 0032 00142 (2.10); B74 0032 00210; B74 0032 00248; B74 0032 00260; B74 0032 00274
HPMS Sections – AADT 2015	12,485; 20,900; 24,700; 30,000; 29,712; 51,969; 31,981; 29,918; 3,500
HPMS Sections – AADT 2014	0.14 N/A; N/A 0.60; N/A 1.19; N/A 1.72; N/A; N/A; N/A; N/A; N/A; 2.848
HPMS Sections – AADT 2013	11,578; 16,850; 24,870 0.61; 24,000; 39,400; 28,300 2.13; 45,600; 53,200 2.48; 30,400; 28,076; 3,600
DOD Sections	0.24; 0.40; 1.35; 2.20; 2.60; 2.74
Census Tracts	
Functional Classification	Principal Art. (Conn. Link) (3) 0.50; Principal Arterial (3)
National Highway System (NHS)	On NHS (1)
Previous Projects: Project No., Date and Limits	NH–STP–032–1(6), Traffic Signals & Widening, 2002 – 2.60
	0.61 STP–0900(34), 1998 2.10; 2.30 2.39 (32A–01–96, 1998); 2.70 (36A–01–96M, (R), 1999) 2.78
	0.47 HWY–M–04–97, 1998 (R)
	HWY–M–02–91M (R) 1992 0.51; 32A–01–89 (R) 1991 2.67 2.77 (32A–01–89M (R) 1991)
	32A–01–83M (R) 1983 0.64 27+26.98; DF–032–1(4) 1958 2.03; 2.68 DANCR 1945
	County Phase II 0.33; WPGM13–H, 1936 0.54; WPGM13–I, 1936 0.68; (F–032–(2), 1955) 100+75.81 3+85.21; 2.16 11+00 F–032–1(1), 1957; 2.68 –3+84.06 38+60.33 (DANC 8(1) 1944)

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.*
Jan 16	*E.P.J.*
Jan 17	*E.P.J.*

Sheet 1 of 1 MAUI RTE 32

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: 0.393 miles
- a. Survey Length: 0.393 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

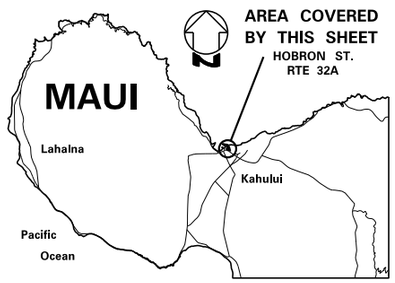
0.0 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00

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' (0.22) 50'
Available Right of Way Width (Needs Study): COMMERCIAL DISTRICT
Right of Way Fence: Type – Right and Left: NONE
Control of Access: 1–None, 2–Partial, 3–Full: NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): 5+26 STATE (0.17) STATE PHASE II 13+60
Project No., Type of Construction, and Year Constructed: (0.03) HWY–M–01–05 (R) 2006 (0.38) COUNTY TO STATE
Project No., Type of Construction, and Year Constructed: Inter.Improvements STP–036–1(12) 2000 (0.04) HWY–M–01–91M (R) 1992



Road Diagram
* MP=Milepost Signage

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

0.041 mi. END DIVIDED
0.059 mi. DRIVEWAY
0.101 mi. DRIVEWAY
0.132 mi. South approach
0.154 mi. KAAHUMANU AVE (RTE 32)
0.178 mi. North approach
0.232 mi. AMALA PLACE
0.383 mi. ALA LUNA ST.

HOBRON AVENUE

0.393 mi. END ROUTE 32A ON HOBRON AVENUE AT THE GATE TO PIER #1, KAHULUI HARBOR

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '14 VIDEOLOG & '14 FEATURES DATABASE.

SCALE: (In Miles) 20" = 1 mile

Divided Highway – Undivided
- Shoulder: Width and Type: 6' AC (0.37) 15' – 20' AC/GRAVEL
- Pavement: Width and Type: 22' AC | 33' AC (.132) | 22' AC
- Shoulder: Width and Type: 0 (0.041) | 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 (0.041)
- Pavement: Width and Type: 11' AC
- Shoulder: Width and Type: 6' AC

Number of Traffic Lanes: 2 – 11' (.132) 2 – 11'; 1 – 11'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): (0.178) 1 – 11' (.225)
(Right Side): (.027) (.059)
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left)
Curb and/or Gutter: Type (Right and Left)
Protective Devices: Type, Location and Number
Illumination: Type, Location and Number: (0.15) 1 Mer. (0.23) (0.23) 1 Mer.
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) (.174)
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year): B74 032A 00000
HPMS Sections – AADT 2015: 3,998
HPMS Sections – AADT 2014: N/A (0.393)
HPMS Sections – AADT 2013: 3,800
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

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.
Jan 16	E.P.J.
Jan 17	E.P.J.

ROAD INVENTORY
MAUI RTE 32B
WHARF STREET

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

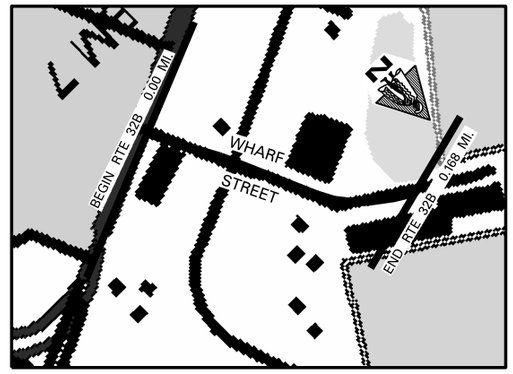
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 0.168 **miles**

a. Survey Length: 0.168 **miles**

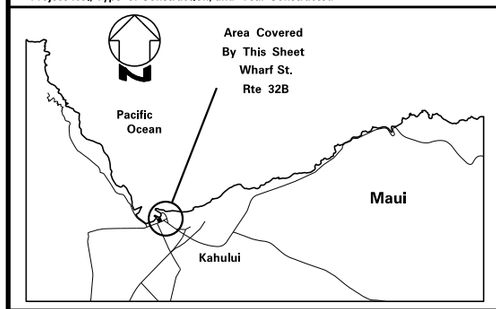
b. Proposed Length: 0.000 **miles**

c. Other Length: 0.000 **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 (0.168 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 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)	COMMERCIAL AREA
Right of Way Fence: Type – Right and Left	0.000 0.060 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) 0.14 WDR 34(1)
Project No., Type of Construction, and Year Constructed	HWY-M-01-91M 1992 (R) 1979



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.

GUARD HOUSE
WHARF STREET
0.071 mi.

*0.168 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 '14 VIDEOLOG & '14 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	2' AC; 0.06 8' AC; 0.07 10' AC; 0.14 30'–50' AC
Divided Highway — Undivided — Pavement: Width and Type	24' AC; 0.08 26' AC; 0.05 32'–48' AC
Divided Highway — Undivided — Shoulder: Width and Type	2' AC; 0.04 4' AC; 0.06 0; 0.11 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	0.08 0.03 2–12' 1–12' 1–14'–18' 1–14' 1–18'–30'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	12' T.L. 0.04
(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)	D 0.03; 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 2015	540
HPMS Sections – AADT 2014	N/A — 148
HPMS Sections – AADT 2013	680
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
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.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
May 13	EPJ
Dec. 13	EPJ
July 14	D.B.
Jan 16	EPJ
Jan 17	EPJ

ROAD INVENTORY

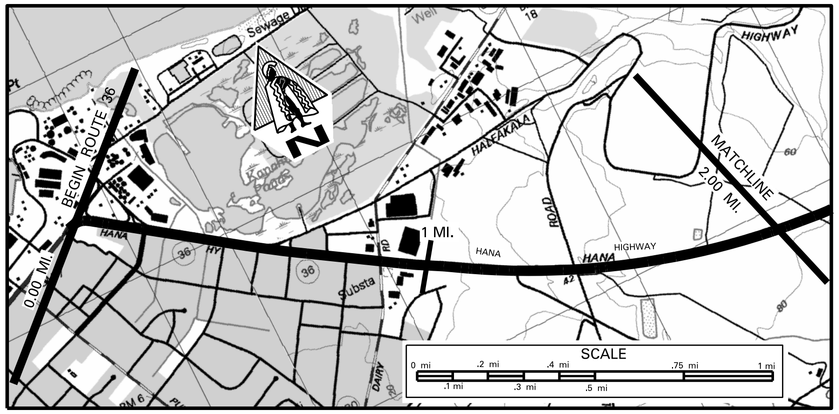
MAUI RTE 36
HANA HIGHWAY

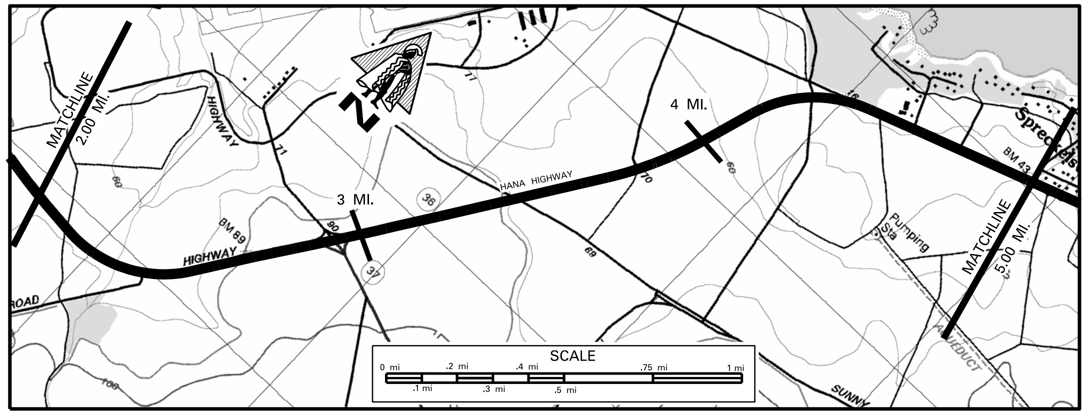
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

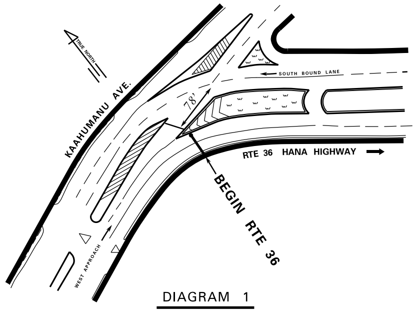
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 16.214 **miles**
a. Survey Length: 16.214 **miles**
b. Proposed Length: 0.00 **miles**
c. Other Length: 0.00 **miles**





SCALE: (In Miles) 4" = 1 mile	0 · 1 · 2 · 3 · 4 · 5
Maintenance Control Sections : Length and Description	Begin 36A same as begin Route 36 · 36A (6.70 MI)
Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed	TEE BEAM 1944 H20 53' · PRESTRESSED CONCRETE GIRDER 1991 HS-20-44
Structure Carrying Road — Vertical Clearance	2.29
Structure Carrying Road — Horizontal Clearance	105'
Structure Over Road — Vertical Clearance	
Structure Over Road — Horizontal Clearance	
Right of Way Width (min.–max.) if varies	100' – 168' · 4.51 · 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)	−2+40 · STATE · 241+00 · 169+00
Project No., Type of Construction, and Year Constructed	NH-036-1-(17), PREV. MAINT., 2010 · 2.39 · 130+00 · HWY-M-02-08, IMPRV., 2010 · 182+00 · 3.37 · 208+00 · 4.50 · STP-0900(58), GUARDRAIL & SHOULDER IMPR., 2004 · 4.93
Project No., Type of Construction, and Year Constructed	36A-01-96M (R), 1999 · 0.15 · 0.27 · (STP-036-1(12) Inter. Impr., 2000) 36A-01-96M (R), 1999 · 43+17 · 0.87 · 0.89 · 44+17 · NH-036-1(16), RESURFACE, 2010 · 173+65 · 3.22 · STP-0900(58), GUARDRAIL & SHOULDER IMPR., 2004 · 3.88 · 36AB-01-04M, RESURFACE, 2005



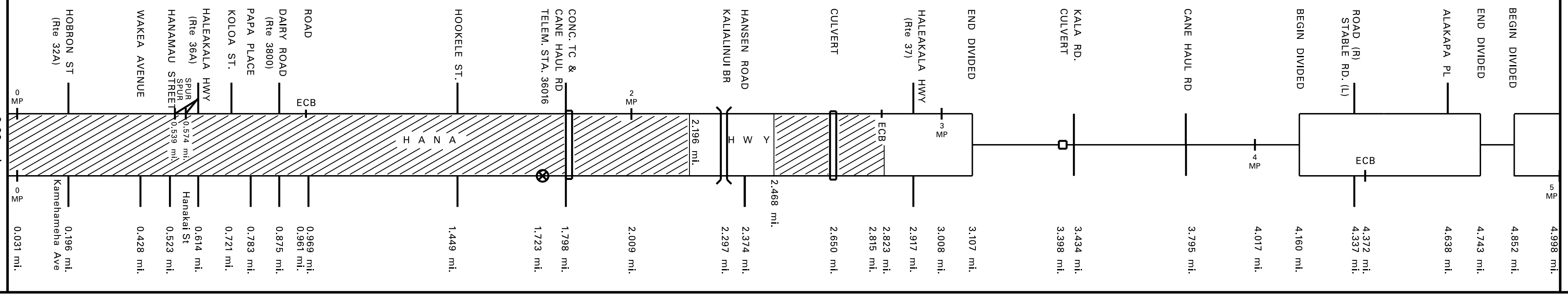
▨ Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

(SEE DIAGRAM 1)

BEGIN ROUTE 36 ON THE WEST APPROACH TO HANA HWY 78' FROM THE CENTERLINE OF THE SOUTH BOUND LANE OF KAAHUMANU AVENUE (ROUTE 32) 0.00 mi.



ROUTE CONTINUES ON SHEET # 2
5.00 mi.

SCALE: (In Miles) 4" = 1 mile	0 · 1 · 2 · 3 · 4 · 5
Undivided — Shoulder: Width and Type	6' AC · 0.96 · 10' AC · 2.88 · 6' AC · 3.22 · 4' AC
Undivided — Pavement: Width and Type	22' AC · .875 · 24' AC · 36' AC · .301 · 24' AC · 12' AC · 24' AC · 12' AC
Undivided — Shoulder: Width and Type	4' AC · 0.87 · 0' · 0.95 · 6' AC · 0' · 6' AC · 0' · 4' AC · 0' · 0'
Divided Highway — Median: Width and Type	42' GRASS · 0.92 · 0.99 · 4' CONC. MEDIAN GUTTER · VARIES 16'–24' GRASS · 1.29 · VARIES 20' – 24' GRASS · 2.196 · VARIES 10'–20' PAINTED AC · 2.468 · 4' CONC. MEDIAN GUTTER · VARIES 10'–14' GRASS · 2.823 · VARIES 12'–20' PAINTED AC · 3.107 · 4.160 · 12' PAINTED AC · 4.743 · 4.852 · 12' PAINTED AC
Divided Highway — Shoulder: Width and Type	4' AC · 0.87 · 0' · 6' AC · 0' · 6' AC · 0' · 0' · 0'
Divided Highway — Pavement: Width and Type	22' AC · 24' AC · .374 · 36' AC · .794 · 24' AC · .917 · 12' AC · 12' AC · 12' AC
Divided Highway — Shoulder: Width and Type	6' AC · .875 · 0.95 · 10' AC · 2.28 · 5' BIKE LANE · 2.39 · 6' AC · 2.80 · 5' BIKE LANE · 2.97 · ← (8' – 10' AC) · 4' AC · 6'–8' AC
Number of Traffic Lanes	2 – 11' · 2 – 11' · 2 – 12' · 2 – 12' · .374 · 3–12' · 2–12' · 1–12' · .301 · 2 – 12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) ALL T.L.'s 12' unless noted	.196 · 11' · 11' · .268 · .258 · .464 · .540 · .428 · .436 · .614 · .691 · .735 · .820 · .752 · .875 · .963 · .034 · .449 · .716 · .163 · .477 · .794 · .829 · .917 · .042 · .008 · .337 · .490 · .500 · .638 · .762 · .846
(Right Side) ALL T.L.'s 12' unless noted	.220 · .904 · .001
Frontage Road: No. of Lanes, and Width (Right and Left)	.516 · .563 · .788 · .875 · .449 · .727 · .250 · .374 · .794 · .176 · .638
Sidewalk: Width and Type (Right and Left)	6' CONC. · 0.22 · 0.95
Curb and/or Gutter: Type (Right and Left)	CONC. CURB · 0.22 · .928 · 4' – 6' CONCRETE GUTTER · 2.89
Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless otherwise noted.	.480 · .540 · .907 · .960 · .109 · .128 · .259 · .579 · .754 · .881 · .968 · .167 · .437 · .525 · .455 · .581
Illumination: Type, Location and Number	0.12 · .993 · .269 · .433 · .533 · .649 · H P S · .219 · .374 · .458 · .505 · .639 · .653 · 3.19 · .450 · .547 · .506 · .528 · .563 · .600
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 · 2.76 · A · 3.26 · B · 3.64 · A · 3.77 · B · 4.53 · A · 4.68 · 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) · .101 · 45 MPH (2) · .299 · .667 · 55 MPH (2) · .088 · 45 MPH (2) · .305 · 55 MPH (2) · .290 · 35 MPH (2) · 45 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	ALL 4 PHASE · 0.19 · .299 · 0.43 · 3 PHASE · 0.87 · 1.80 · 2.92 · .301 · .289 · .897
Traffic Stations (Current Year)	B74 0036 00000 · B74 0036 00019 · B74 0036 00062 · B74 0036 00087 · B74 0036 00292
HPMS Sections – AADT 2015	28,438 · 38,495 · 0.62 · 27,983 · 41,000 · 18,700
HPMS Sections – AADT 2014	N/A · N/A · N/A · 1.80 · N/A · N/A
HPMS Sections – AADT 2013	26,371 · 35,698 · 0.61 · 26,600 · 33,700 · 11,700 · 3.21 · 18,000
DOD Sections	0.19 · 0.87 · 2.92
Census Tracts	
Functional Classification	PRINCIPLE ARTERIAL (3) · 2.92 · MINOR ARTERIAL (4)
National Highway System (NHS)	ON NHS (1) · NOT ON NHS (0)
Previous Projects: Project No., Date and Limits	36A-01-96M (R), 1999 · 0.87 · 43+17 · STP-0900(58), GUARDRAIL & SHOULDER IMPR., 2004 · 208+00 · 3.88
	0.87 · HWY-M-01-96M AREA 3 1997 · 3.22
	STP-0900(34) 1998 · 0.80 · 0.87 · AM-1061-12 (IMPROV), 1991 · 3.22 · 173+65 · 36AB-01-04M, RESURFACE, 2005
	0.06 · 36A-02-87M (R) 1988 · 2.97 · 3.06 · 36AB-01-90M (R) 1991
	2.80 · 36A-01-82 Inter. Impr. 1983 · 4.52
DANC 8(1) 1945	HWY-M-01-76M (R) 1976 · 3.08 · HWY-M-02-76M (R) 1976 · 3.80 · 4.50 · 147+44.30 NRS – 17A
	DANC 8(1) 1943, 1945 · 242+00 · 1933
SCALE: (In Miles) 4" = 1 mile	0 · 1 · 2 · 3 · 4 · 5

Date Released	
Oct. 2004, G.N.	
Revised	
Feb. 06	*D.B.*
Nov. 06	*D.B.*
Mar. 08	*D.B.*
Dec. 09	*D.B.*
Feb. 11	*D.B.*
Feb. 12	*D.B.*
Sept. 12	*E.P.J.*
May 13	*E.P.J.*
Dec. 13	*E.P.J.*
July 14	*D.B.*
Jan 16	*E.P.J.*
Jan 17	*E.P.J.*

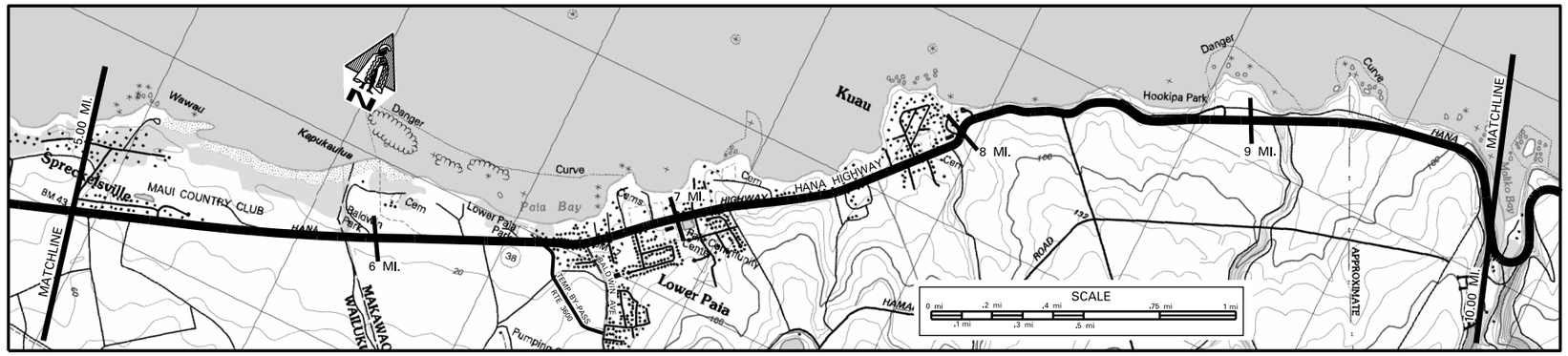
ROAD INVENTORY
MAUI RTE 36
HANA HIGHWAY

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: 16.214 miles
- a. Survey Length: 16.214 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: 0.00 miles



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description
- 36A (6.70 MI)
- 6.70 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' | 8.89 | 80' – 200'

Available Right of Way Width (Needs Study): 1000' CLR – SUGAR CANE FIELD 20' FROM PAVEMENT | 6.50 | RESIDENTIAL AREA | 7.84 | 1000' CLR (R) 15' SUGAR CANE FROM PAVEMENT / BEACH (L) | 9.69 | CLIFFS

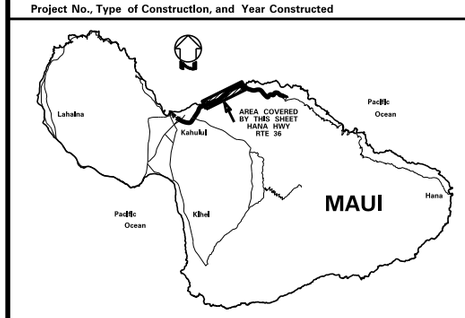
Right of Way Fence: Type – Right and Left: NONE

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
- 191 + 00 | 5.23 | STP–0900(58), GUARDRAIL & SHOULDER IMPR., 2004 | 5.62 | 222 + 00
- 261 + 00 | 6.40 | 36AB–02–04M (R) 2006 | 6.42 | 10 + 28
- 10 + 04.37 | 6.83 | 36AB–01–04M, RESURFACE, 2005 | 8.01 | 122 + 35 | 8.94 | 122 + 35 | 8.96 | 122 + 39 | HWY–M–14M, SIGN REPLACEMENT, 2016

Project No., Type of Construction, and Year Constructed
- 36AB–01–04M, RESURFACE, 2005
- 253 + 81.21 | 6.55 | 36AB–01–96M 1998 (R) | 6.83 | 36AB–01–90M RESURFACE 1991 | 8.92 | 36BC–01–10M, PREV. MAINT., 2011



Road Diagram
* MP = Milepost Signage

ROUTE CONTINUED FROM SHEET # 1

5.00 mi. NONOHE PL. | END DIVIDED | ULUPUA PLACE | END DIVIDED | BEGIN DIVIDED CULVERT | 6 MP | END DIVIDED | ALAWAI RD | Telem. Sta. 36B | PAVED ROAD (PUNA ROAD) | ACCESS TO PAIA MINI-BYPASS RD. (RTE 3600) | (SEE DIAGRAM ON RTE 36 SHEET 4 OF 4) | BEGIN DIVIDED | AE LANE | BALDWIN AVE | BALDWIN PL. | HOKU PL. | KUPONO STREET | LOIO PLACE | HOKUAINA PLACE | PUNA PLACE | BEGIN DIVIDED | HOLO PLACE | 7 MP | END DIVIDED | LAE STREET (R) | LAE PLACE (L) | PAVED ROAD | KUAU BEACH PL. | HANA | KAULUA PLACE | KAULANI PLACE | WAA PLACE | ULUMAIKA PLACE | KAIMAU STREET | MEHA PLACE | KAIAE LANE | KAHOLO ROAD | 8 MP | ROAD TO MAMA'S FISH HOUSE | HOLOMUA AVENUE | WEST EXIT FROM HOOKIPA PARK | Telem. Sta. 36087 | END DIVIDED | EAST ENTRANCE TO HOOKIPA PARK | BEGIN DIVIDED | 9 MP | HIGHWAY | PAVED ROAD | PAVED ROAD | PAVED ROAD | 9.5 MP | ECR | ROAD TO HAMAKUAPOKO | ROAD | 10.00 mi.

ROUTE CONTINUES ON SHEET # 3

5.001 mi. | 5.105 mi. | 5.278 mi. | 5.899 mi. | 5.905 mi. | 5.977 mi. | 6.002 mi. | 6.016 mi. | 6.302 mi. | 6.469 mi. | 6.527 mi. | 6.605 mi. | 6.652 mi. | 6.691 mi. | 6.779 mi. | 6.824 mi. | 6.858 mi. | 6.882 mi. | 6.975 mi. | 7.034 mi. | 7.059 mi. | 7.090 mi. | 7.151 mi. | 7.261 mi. | 7.318 mi. | 7.641 mi. | 7.697 mi. | 7.784 mi. | 7.839 mi. | 7.912 mi. | 7.922 mi. | 7.985 mi. | 8.010 mi. | 8.058 mi. | 8.350 mi. | 8.551 mi. | 8.718 mi. | 8.807 mi. | 8.913 mi. | 8.966 mi. | 9.010 mi. | 9.118 mi. | 9.323 mi. | 9.532 mi. | 9.551 mi. | 9.691 mi. | 9.988 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided
- Shoulder: Width and Type: 4' AC | 6.47 | 20' Grass | 6.57 | 0' | 6.82 | 6' AC | 6.85 | 6' GRASS | 8.44 | 4' AC | 8.61 | 6' GRASS | 8.93 | 6' AC
- Pavement: Width and Type: 12' AC | 6'–8' AC | 24' AC | 12' AC | 24' AC | 6.57 | 12' AC | 24' AC | 12' AC | 22' AC | 11' AC | 22' AC
- Shoulder: Width and Type: 0' | 4' AC | 0' | 4' AC | 6.55 | 4' GRS | 0' | 6.79 | 4' AC | 6.98 | 4' AC | 0' | 6' GRASS | 7.90 | 4' AC | 8.06 | 6' GRASS | 8.44 | 6' AC | 8.61 | 10' GRASS | 0 | 5' – 6' AC

Divided Highway — Divided
- Median: Width and Type: 12' PAINT AC | 5.105 | 5.899 | 10' PAINT AC | 6.016 | 6.685 | 10' PAINT AC | 6.779 | 6.975 | 10' PAINT AC | 7.151 | 8.807 | 0'–10' PAINTED AC | 8.966
- Shoulder: Width and Type: 0' | 0' | 0' | 0' | 0
- Pavement: Width and Type: 12' AC | 12' AC | 12' AC | 12' AC | 11' AC
- Shoulder: Width and Type: 6'–8' AC | 6'–15' AC | 6.698 | 4' GRS | 6' GRASS | 6' AC

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

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 1–12' | 1–15' | 7.101 | (1–11' (L) TL) | .714 | .697 | .696 | .575 | .697 | .767 | .733 | .993 | .913 | .967 | .669 | (1–12' (R) TL) | .975 | .105

(Right Side): .001 | .689 | .677 | .453 | .527 | 6.02 | 6.36 | 6.46 | 6.90 | 7.50 | 7.56 | 7.63 | 7.69 | 8.16 | 8.07 | 8.21 | 8.26 | 8.30 | 8.34 | 8.42 | 8.73 | 9.06 | 9.38

(11' 2–WAY (L) TL) | 1–14' (R) TL | 6' CONC. CURB | CONC. CURB

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

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

Curb and/or Gutter: Type (Right and Left): .923 | .882 | .092 | .170 | .323 | .702 | .752 | .897

Protective Devices: Type, Location and Number All Metal Rails on Metal Posts unless otherwise noted.: .807 | .896 | .829 | .794 | .179 | .483

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 | 6.03 | B | 6.71 | A | 7.50 | B | 7.56 | A | 7.83 | E | 7.96 | D | 8.07 | A | 8.16 | D | C | A | C | D | 8.42 | C | 8.73 | A | 9.06 | C | 9.38 | A

Shoulder Lanes: (OPEN 4–6 PM, EXC. SAT, SUN, HOL.; NO TRUCKS OR BUSES) | 6.03 | 1–14' SHOULDER LANE | 6.40

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) | 5.01 | A | 5.12 | B | 6.03 | A | 6.20 | B | 6.19 | A | 7.23 | B | 7.36 | A | 7.60 | B | 8.49 | A | 8.55 | B | 9.53 | C | 9.65 | B

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: SMALL URBAN (99998)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: .382 | FLAT (1) | .388 | 6.78 | .866 | .119 | ROLLING (2) | .037 | 9.75 | MOUNTAINOUS (3)

Speed: 1–Design, 2–Posted: 35 MPH (2) | .375 | 45 MPH (2) | .388 | 35 MPH (2) | .316 | .479 | 20 MPH (2) | 6.70 | .866 | 25 MPH (2) | .887 | 30 MPH (2) | .101 | 35 MPH (2)

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

Traffic Stations (Current Year): B74 0036 00292 | B74 0036 00670 | 8.36 | B74 0036 00836

HPMS Sections – AADT 2015: 18,700 | 6.70 | 15,675 | 13,300

HPMS Sections – AADT 2014: N/A | 7.99 | N/A

HPMS Sections – AADT 2013: 18,000 | 6.54 | 12,800 | 8.93 | 11,000 | 9.71 | 11,485

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 | 222 + 00 | 6.01 | 36B–02–02, SHLDR, LN., 2005 | 253 + 00 | 6.55
- 36AB–01–90M RESURFACE 1991 | 6.53 | 6.83 | (36AB–01–95M, 1996 (R)) | 8.92 | STP–036–1(8) RESURFACE
- 36AB–01–90M (RESURF) 1991 | 8.36 | 8.93 | STP–036–1(7) 1997
- 36AB–01–75 (RESURF) 1975 | 36B–02–79 (IMPROV) 1979 | 8.15 | 36BC – 01 – 82M (RESURF) 1982
- NRS – 17A 1933 | 257 + 00 | 6.72 | JOB # 5213 | 7.88 | WDRC 14(1) 1948 | F–036–1(1) REVAMP 1961 | 8.87 | F–036–1(1) 1959

SCALE: (In Miles) 4" = 1 mile

Date Released	
Oct. 2004	G.N.
Revised	
Feb. 06	D.B.
Nov. 06	D.B.
Mar. 08	D.B.
Jan. 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 12	E.P.J.
July 14	D.B.
Jan 16	E.P.J.
Jan 17	E.P.J.

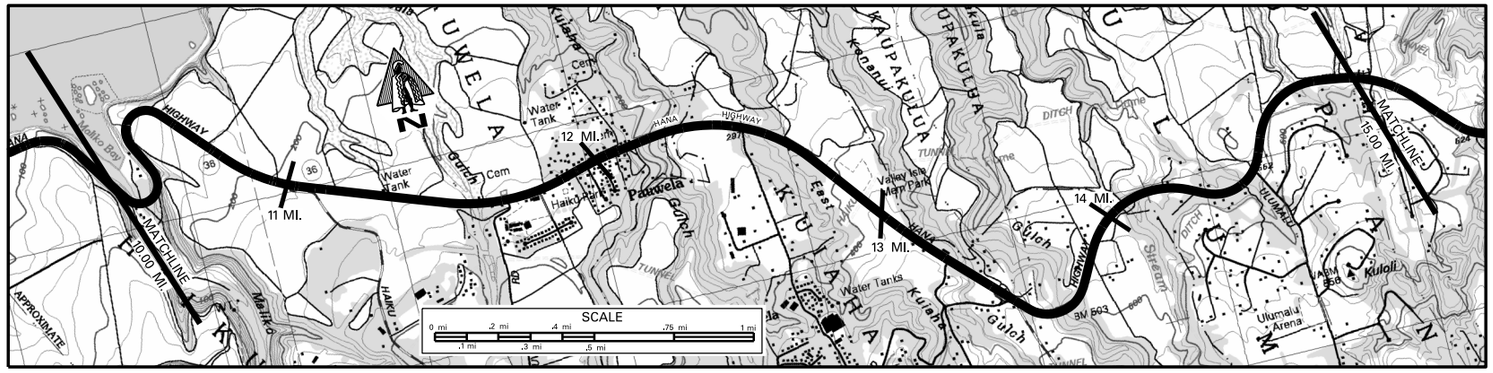
ROAD INVENTORY
MAUI RTE 36
HANA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

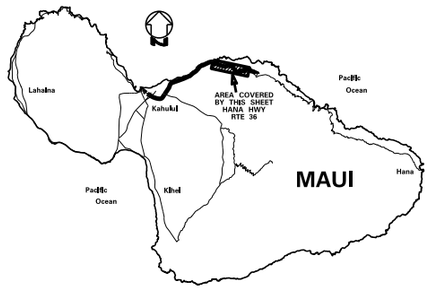
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 16.214 miles
- a. Survey Length: 16.214 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 Kakomoo–Haiku Road (10.02); 36C (5.21 MI)
Structure Carrying Road: Bridges (Over 20'): Length, Type, Capacity and Year Constructed	TEE BEAM 1961 205' HS20 (10.07); PRESTRESSED CONCRETE GIRDER, HL–93, 2003 (13.82) 225'
Structure Carrying Road: Vertical Clearance	28'; 34'
Structure Carrying Road: Horizontal Clearance	
Structure Over Road: Vertical Clearance	
Structure Over Road: Horizontal Clearance	
Right of Way Width (min.–max.) if varies	80' – 200' (10.46); 80' – 285' (12.18); 80' – 135' (13.12)
Available Right of Way Width (Needs Study)	CUT SLOPES (10.46); CLR 1000' PINEAPPLE 20' FROM PAVEMENT (10.74); TREES AND BUSHES (11.00); RES. AREA (11.70); TREES (12.18); CLR 1000' PINE 15' FROM PVMT (12.86); CUT SLOPES WITH PASTURES AND FARMS (13.10)
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)	HWY–M–01–14M, SIGN REPLACEMENT, 2016
Project No., Type of Construction, and Year Constructed	36BC–01–10M, PREV. MAINT., 2011



Road Diagram
* MP = Milepost Signage

ROUTE CONTINUED FROM SHEET # 2 — 10.00 mi. — 10.098 mi.

ECB; MALIKO BRIDGE ROAD; HANA HIGHWAY; HAIKU ROAD; RILI'ALOHA ST. (R); GATED ACCESS TO HANA COUNTY CTR.; PAUWELA CROSS CTR. DIRT ROAD (L); ROAD TO CEMETERY; KAHAPO PLACE; PUUKOA PLACE; AHONUI PLACE; AKAHAI PLACE; WAKINA LOOP (R); NAHELE ROAD; WAKINA LOOP; W. KUIAHA RD. (R); NAHELE RD. (L); VALLEY ISLE MEMORIAL PARK; E. KUIAHA ROAD (R); DRIVEWAY (L); PE'AHI RD. (R); HAHANA RD. (L); KAUPAKULUA BRIDGE; HOHANI PLACE; O'ILI ROAD; ULUMALU ROAD; KAI HUKI ST.

10.161 mi. 10.135 mi. 10.074 mi. 10.522 mi. 11.019 mi. 11.002 mi. 11.523 mi. 11.622 mi. 11.693 mi. 11.753 mi. 11.821 mi. 11.798 mi. 11.895 mi. 11.920 mi. 11.943 mi. 11.974 mi. 12.002 mi. 12.127 mi. 12.232 mi. 12.272 mi. 12.475 mi. 12.587 mi. 12.912 mi. 12.988 mi. 13.258 mi. 13.435 mi. 13.493 mi. 13.626 mi. 13.871 mi. 13.912 mi. 14.023 mi. 14.53 mi. 14.57 mi. 14.76 mi.

ROUTE CONTINUE ON SHEET #4 — 15.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway, Undivided: Shoulder: Width and Type	6' AC; 4' – 6' AC (12.96); 10' AC (13.57); 4' – 6' AC (13.84)
Divided Highway, Undivided: Pavement: Width and Type	22' AC; 24' AC (13.84–13.88); 22' AC
Divided Highway, Undivided: Shoulder: Width and Type	5' – 6' AC; 4' – 6' AC; 10' AC; 4' – 6' AC
Divided Highway: Median: Width and Type	
Divided Highway: Shoulder: Width and Type	
Divided Highway: Pavement: Width and Type	
Divided Highway: Shoulder: Width and Type	
Number of Traffic Lanes	2 – 11'; 2 – 11' (13.84–13.88: 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)	(4' CONC. GUTTER); 4' CONC. GUTTER (10.21); 3' CONC. GUTTER (10.48); 4' CONC. GUTTER (10.95); 3' AC; (2' CONC. GUTTER); (4' CONC. GUTTER); 3' CONC. GUTTER; 6' CONC. SWALE
Protective Devices: Type, Location and Number	All Metal Rails on Metal Posts unless otherwise noted.
Illumination: Type, Location and Number	
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)	A (10.24); E (10.46); A (10.63); D (10.77); A (12.96); D (13.76); A (13.88); B (14.29); C (14.38); A (14.41); B (14.90); 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 (10.41); D (10.72); C (11.70); B (12.05); D (12.41); C (12.72); D (12.89); C (13.38); B (13.62); A (13.75); B (14.27); C (14.37); B (14.56); A (14.71); 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); 35 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Stations (Current Year)	B74 0036 00836 (10.69); B74 0036 01102 (11.02); B74 0036 01452 (14.52)
HPMS Sections – AADT 2015	13,300; 3,800; 3,998
HPMS Sections – AADT 2014	(N/A) 10.69; N/A; N/A
HPMS Sections – AADT 2013	(11,485); 8,300; 8,700; 10,184 (11.70); 7,504 (12.14); 6,861 (13.45); 3,800 (13.91)
DOD Sections	
Census Tracts	
Functional Classification	MINOR ARTERIAL (4)
National Highway System (NHS)	NOT ON NHS (0)
Previous Projects: Project No., Date and Limits	STP – 036 – 1(8) RESURFACE 1998 (12.94); 13.52 – 13.84 (BR–036–1(15), 2003 BRIDGE REPLACEMENT); STP–036–1(7) 1997; STP – 0900 (39), 1996 RESURFACE; 36BC–01–82M 1982 RESURFACE (12.53); 12.94; 36C–01–87M 1987 RESURFACE; F–036–1(1) 1961 REVAMP 10.46; 13.57; F – 32 (2) 1957; F–036–1(1) 1959 10.46; F – 32 (3) 1951, 1953; 13.52; F – 32 (2) 1946; 180 + 79.87 / 2 + 58.86; 164 + 34.19 / 3 + 34.19

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.
Jan 16	E.P.J.
Jan 17	E.P.J.

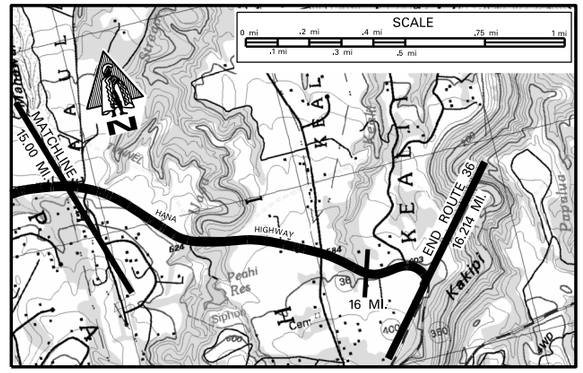
ROAD INVENTORY
MAUI RTE 36
HANA HIGHWAY

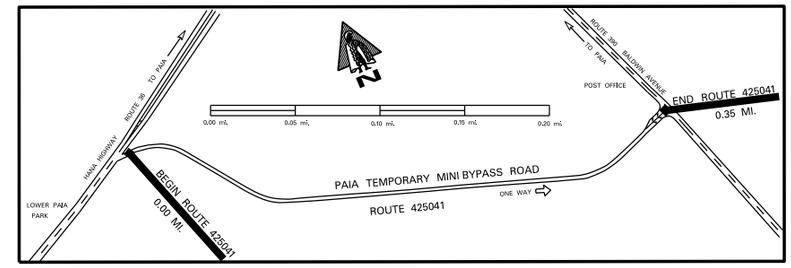
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

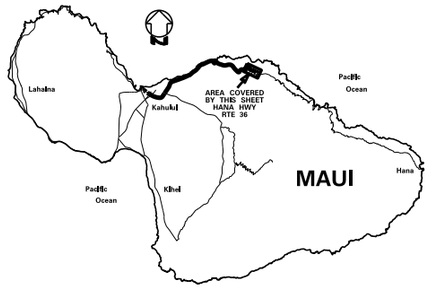
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 16.214 miles
- **a. Survey Length:** 16.214 miles
- **b. Proposed Length:** 0.00 miles
- **c. Other Length:** 0.00 miles





SCALE: (In Miles) 4" = 1 mile	15 16 17 0 .10 .20 .30 .40 .05
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'
Structure Carrying Road: Vertical Clearance	
Structure Carrying Road: Horizontal Clearance	15.46 44'
Structure Over Road: Vertical Clearance	
Structure Over Road: 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	HWY-M-01-14M, SIGN REPLACEMENT, 2016
Project No., Type of Construction, and Year Constructed	36BC-01-10M, PREV. MAINT., 2011



Road Diagram
* MP = Milepost Signage

ROUTE CONTINUED FROM SHEET #3 — 15.00 mi.

HEAAULA PLACE MANAWAI PL. — UAOA BRIDGE — HOOKILI ROAD — HOLOKAI ROAD — HAUMANA ROAD

HANA HWY — 15 MP — 15.5 MP — 16 MP

15.061 mi. 15.046 mi. 15.005 mi. — 15.439 mi. 15.414 mi. — 15.639 mi. — 15.845 mi. — 16.023 mi. — 16.125 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '14 VIDEOLOG & '14 FEATURES DATABASE.

END ROUTE 36 ON HANA HIGHWAY AT THE CENTERLINE INTERSECTION WITH KAUPAKALUA ROAD. SAME AS BEGINNING OF ROUTE 360. *16.214 mi.

0.00 MI. BEGIN ROUTE 425041 ON PAIA TEMPORARY BYPASS ROAD AT GATED ENTRANCE FROM HANA HIGHWAY.

DIRT ROAD — 0.12 mi.

EFFECTIVE MAY 11, 2011
OPEN 24/7

ROUTE 425041 — PAIA TEMPORARY MINI BYPASS ROAD — ONE WAY

END ROUTE 425041 ON PAIA TEMPORARY BYPASS ROAD AT NORTHWEST EDGE OF PAVEMENT OF BALDWIN AVENUE. 0.35 MI.

SCALE: (In Miles) 4" = 1 mile	15 16 17 0.0 0.1 0.2 0.3 0.4 0.5
Divided Highway, Undivided: Shoulder: Width and Type	4' – 6' AC / 2' AC
Divided Highway, Undivided: Pavement: Width and Type	22' AC .429 24' AC .597 22' AC / NOTE: PAVEMENT WIDTHS INCLUDE TURNING LANES FROM 0.33 MI. TO 0.35 MI. / 12' AC 0.33 24' AC
Divided Highway, Undivided: Shoulder: Width and Type	4' – 6' AC / 2' AC
Divided Highway: Median: Width and Type	
Divided Highway: Shoulder: Width and Type	
Divided Highway: Pavement: Width and Type	
Divided Highway: Shoulder: Width and Type	
Number of Traffic Lanes	2 – 11' .429 2 – 12' .597 2 – 11' / 1–12' 0.33 2–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	NONE
(Right Side)	NONE / 0.33
Frontage Road: No. of Lanes, and Width (Right and Left)	NONE
Sidewalk: Width and Type (Right and Left)	(4' CONC. GUTTER)
Curb and/or Gutter: Type (Right and Left)	.082 .196 (2' CONC. GUTTER) .257 .544 .597 15.07 15.13 .886 .979 .125
Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless otherwise noted.	
Illumination: Type, Location and Number	.092 .355 .432 .566 .886 .979
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 15.96 C 16.08 D / E 0.06 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) .043 (NOT POSTED) / NOT POSTED 0.06 20 MPH (2) 0.21 25 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Stations (Current Year)	B74 0036 01452
HPMS Sections – AADT 2015	3,998
HPMS Sections – AADT 2014	N/A 15.886 N/A 16.214
HPMS Sections – AADT 2013	3,800
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	
	15.36 15.61 (BR-036-1(14), 2002 Bridge Replacement)
	STP-0900(39), 1996 RESURFACE
	36C-01-87M 1987 RESURFACE 16.09
	F-32(2) 1957 16.05
	F-32(2) 1946 137+24.46 16.05 0+00
SCALE: (In Miles) 4" = 1 mile	15 16 17 0.0 0.1 0.2 0.3 0.4 0.5

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.
Jan 15	E.P.J.
Jan 17	E.P.J.

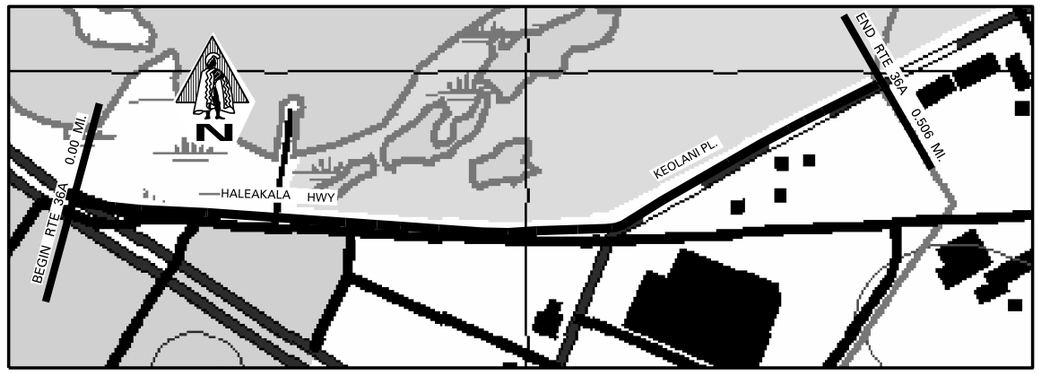
ROAD INVENTORY
MAUI RTE 36A
HALEAKALA HWY., KEOLANI PL.

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: 0.506 miles
a. Survey Length: 0.506 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

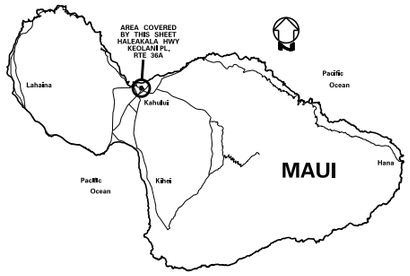
0.0 0.10 0.20 0.30 0.40 0.50 0.60 0.70 0.80 0.90 1.00

Maintenance Control Sections : Length and Description
Begin 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
Control of Access: 1–None, 2–Partial, 3–Full: N O N E
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): 0+00 to 10+00 — S T A T E — 10+00 to 20+00
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.

RAMP 0.052 mi. — KOLOA ST 0.148 mi. — HALEAKALA HWY — RAMP FROM HALEAKALA HWY — DAIRY ROAD 0.319 mi. — 0.365 mi. — 0.418 mi. — END DIVIDED — TELEM. STA. 36A005 0.506 mi.

HALEAKALA HIGHWAY
KEOLANI PLACE

END ROUTE 36A ON KEOLANI PLACE AT THE KAHULUI AIRPORT BOUNDARY. (CENTERLINE OF CONCRETE DITCH) *0.506 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '14 VIDEOLOG & '14 FEATURES DATABASE.

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 (0.123) — 10' GRASS (0.25) — 6' AC (.319) — 10' GRAVEL (0.46) — 25' GRAVEL
- Pavement: Width and Type: 12' BP — 12' AC — 11' AC (.365) — 12' AC (.418) — 36' AC
- Shoulder: Width and Type: 0' — 10' GRASS

Divided Highway
- 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 (.319) — 22' AC (.365) — 24' AC
- Shoulder: Width and Type: 0' — 12' GRASS (.365)

Number of Traffic Lanes: 2 – 12' — 1 – 11' / 2 – 11' (.390) — 1 – 12' / 2 – 12' / 1 – 12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 148' — 195' — 319' — 365'
(Right Side): 070' — 148' — 179' — 1–10' — 365'
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left): 0.17 — 6' Concrete Sidewalk — 0.24
Curb and/or Gutter: Type (Right and Left): 040' Conc. Curb — 070' Concrete Curb and Gutter — 0.24
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 2015: 11,500 — 15,500
HPMS Sections – AADT 2014: N/A — N/A
HPMS Sections – AADT 2013: 7,666 — 14,500 (0.506)
DOD Sections (0.32)
Census Tracts
Functional Classification MINOR ARTERIAL (4)
National Highway System (NHS) NOT ON NHS (0)
Previous Projects: Project No., Date and Limits
- 0.32 — HWY–M–01–76M 1976
- COUNTY — 0.33 — NRS–17A 1933 AND 1934

SCALE: (In Miles) 20" = 1 mile

0.0 0.10 0.20 0.30 0.40 0.50 0.60 0.70 0.80 0.90 1.00

Date Released	
Oct 2004	G.N.
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.
Jan 16	E.P.J.
Jan 17	E.P.J.

ROAD INVENTORY

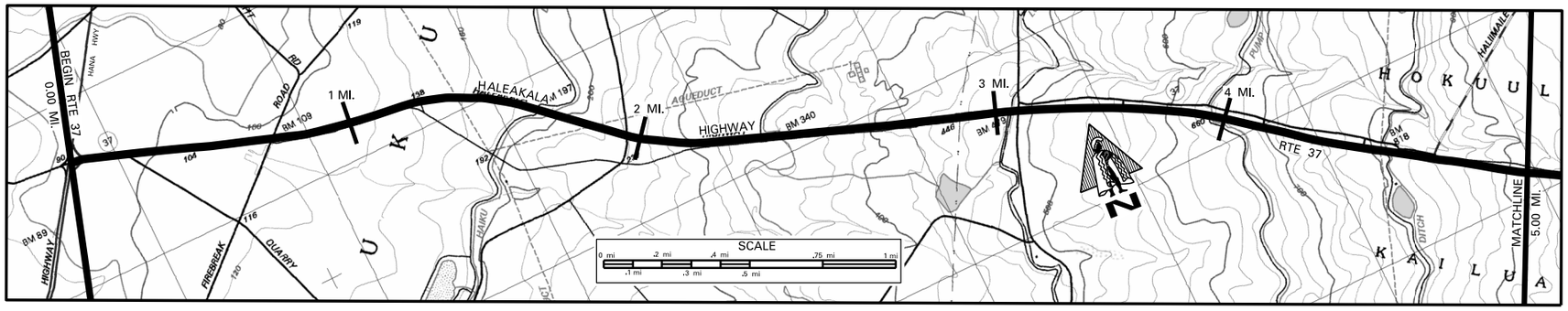
MAUI RTE 37
HALEAKALA HWY & KULA HWY

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: 21.344 miles
- a. Survey Length: 21.344 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: 0.00 miles



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

Begin 37B on Haleakala Highway at the centerline intersection with Hana Highway — 37B (4.76 MI) — End 37B – Begin 37C on Haleakala Hwy at the centerline with 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' (0.74) — 60' (3.05) — 120' – 140' (4.76) — 140' – 200'

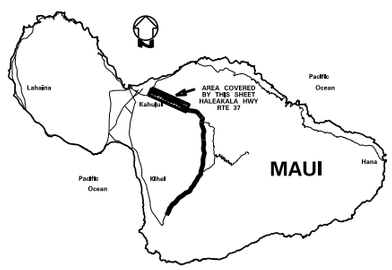
Available Right of Way Width (Needs Study): CLEAR 1000' – SUGAR CANE 30' FROM EDGE OF PAVEMENT

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

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

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

Project No., Type of Construction, and Year Constructed: 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 TO HANA HWY 0.044 mi. — BLOCKED QUARRY ROAD 0.144 mi. — NORTH FIRE CREEK RD & T.C. TELEM. STA. 37006 0.606 mi. — ECB 0.702 mi. — PAVED RD 0.958 mi. — CULVERT 1.217 mi. — ROAD 1.624 mi. — PAVED ROAD 1.676 mi. — CULVERT 1.935 mi. — ROAD 2.405 mi. — KEAHOA RD. LOWRIE BRIDGE ECB 2.980 mi. — 500' ELEV. SIGN 3.066 mi. — EMERGENCY ESCAPE RAMP 3.206 mi. — ROAD 3.289 mi. — PAVED RD 3.632 mi. — ROAD 3.820 mi. — PAVED RD CONC BRIDGE 4.066 mi. — ROAD 4.135 mi. — HALIMAILE ROAD 4.484 mi. — 4.565 mi. — 4.604 mi. — 4.734 mi.

HALEAKALA HIGHWAY

RAMP FROM HANA HWY 0.008 mi. — 0.059 mi. — 0.836 mi. — 0.906 mi. — 1 MP — 2 MP — 3 MP — 4 MP

CONTINUES ON SHEET #2 5.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway

- Undivided
  - Shoulder: Width and Type: 6' AC – 4' GRASS
  - Pavement: Width and Type: 12' AC (0.059) — 24' AC
  - Shoulder: Width and Type: 0' — 4' AC
- Divided
  - Median: Width and Type: 4'–22' PAINTED AC (0.144) — 16'–28 GRASS (0.702) — 16' GRASS FLUSH (0.836) — (0–16' PAINTED AC) (0.906) — 12' –24' GRASS
  - Shoulder: Width and Type: 0' — 4' AC — 8' AC
  - Pavement: Width and Type: 12' AC — 24' AC — 24' PCC
  - Shoulder: Width and Type: 0.059 — 6' AC

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

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

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

Sidewalk: Width and Type (Right and Left)

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

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

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 — 0.49 — A — 0.84 — B — 1.47 — C — 3.46 — D — 4.61 — C

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) — 55 MPH (2) — 45 MPH (2) — 45 MPH (2) — 55 MPH (2) — 45 MPH (2) — 45 MPH (2) — 55 MPH (2) — 45 MPH (2)

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

Traffic Stations (Current Year): B74 0037 00000 — B74 0037 00473

HPMS Sections – AADT 2015: 31,200 — 28,300

HPMS Sections – AADT 2014: N/A — N/A

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

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 — 4.94

SCALE: (In Miles) 4" = 1 mile

Date Released	
Oct 2004	GN

Revised	
Feb., 06	D.B.
Nov., 06	D.B.
Feb., 08	D.B.
May, 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.
Jan 16	E.P.J.
Jan 17	E.P.J.

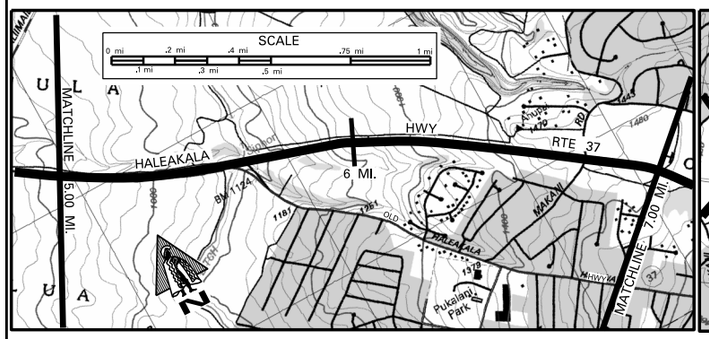
ROAD INVENTORY
MAUI RTE 37
HALEAKALA HWY & KULA HWY

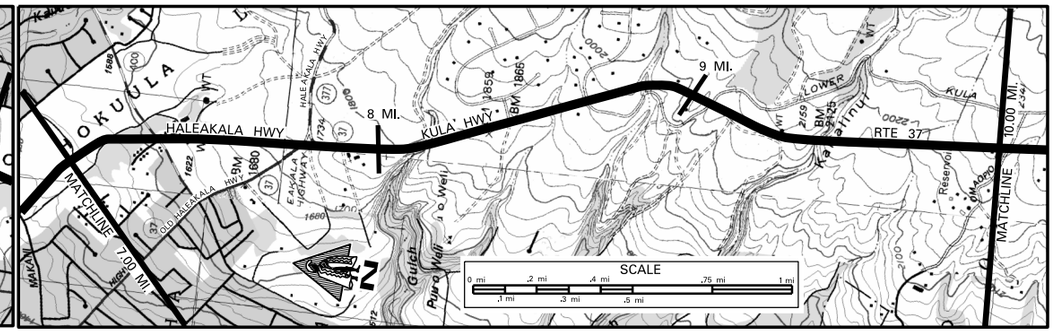
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 21.344 miles
- a. Survey Length: 21.344 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'; PRESTRESSED BEAM 1964 HS–20 324'

Structure Carrying Road — Vertical Clearance

Structure Carrying Road — Horizontal Clearance: 24'; 28'

Structure Over Road — Vertical Clearance

Structure Over Road — Horizontal Clearance

Right of Way Width (min.–max.) if varies: 140' – 200'; 90' – 270'

Available Right of Way Width (Needs Study): PASTURE AND RANCH LANDS

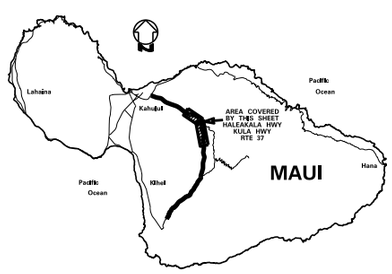
Right of Way Fence: Type – Right and Left: ALL WIRE ON WOOD

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): (HWY–M–01–06M, RESURF., 2007); S T A T E; (HWY–M–01–06M, RESURF., 2007)

Project No., Type of Construction, and Year Constructed: NH–037–1(24), 2009, WIDENING; 37C–01–13M, RESURFACE, 2014; STP–0900(073),(R),2015; 37CD–01–02M, REPAIR & MAINT., 2004

Project No., Type of Construction, and Year Constructed: 37C–02–90, 1993, NEW ALIGNMENT; 37C–01–92 1993 NEW ALIGNMENT (PHASE II); STP–037–1(18) RESURFACE 1994; STP–037–1(21) RESURFACE 1999



Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET # 1 — 5.00 mi.

ECB; ROAD; TELEM. STA. 37052; END DIVIDED; ON RAMP FROM OLD HALEAKALA HWY & BEGIN DIVIDED OLD HALEAKALA HWY TO OLD HWY ROAD; END DIVIDED; PAVED ROAD & T.C.; HALEAKALA; BEGIN DIVIDED ROAD; MAKANI ROAD; ECB; BEGIN DIVIDED PAVED ROAD & END DIVIDING; END DIVIDED; HIGHWAY; MAKAWAO AVE (RTE 365); END DIVIDED Road to WATER TANK; T. C. BEGIN DIVIDED; HALEAKALA HWY (RTE 377); Kula Jct.; OLD HALEAKALA HWY; MAKA'ENA PL; KING KEKAUILIKE HIGH SCHOOL; KULA; ECB; A'APUEO PKWY. HAAKAKAI BRIDGE; HIGHWAY; OHANA STREET END DIVIDED; LOWER KULA DR.(R) HOOPALUA DR.(L); NOHOLOA STREET; OLD LOWER KULA ROAD; ECB; KALIALINUI BRIDGE; DRIVEWAYS; DRIVEWAYS

CONTINUES ON SHEET #3 — 10.00 mi.

SCALE: (In Miles) 4" = 1 mile

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

Pavement: Width and Type: 24' AC; 48' AC; 12' AC; 36' AC; 12' AC; 36' AC; 12' AC; 24' AC; 12' AC; 24' AC

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

Divided Highway — Median: Width and Type: 12'–24' GRASS; 24'–0' PAINT AC; 8' PAINT AC; MILLED CENTERLINE; 12' PAINT AC; RUMBLE STRIP; 12' PAINT AC; 12' PAINT AC

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

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

Shoulder: Width and Type: 6' AC; 6'–10' AC; 10' AC; 10' AC; 10' AC; 10' AC; 6' AC

Number of Traffic Lanes: 4–12'; 1 – 12', 2 – 12'; 2 – 12'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

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

Illumination: Type, Location and Number

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: 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 (2); 45 MPH (2)

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

Traffic Stations (Current Year): B74 0037 00473; B74 0037 00563; B74 0037 00774

HPMS Sections – AADT 2015: 28,300; 13,781; 12,100

HPMS Sections – AADT 2014: N/A; N/A; N/A

HPMS Sections – AADT 2013: 26,800; 13,100; 14,081; 13,400; 8,600

DOD Sections: DOD 705; DOD 700

Census Tracts

Functional Classification: PRINCIPAL ARTERIAL (3); MINOR ARTERIAL (4)

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

Previous Projects: Project No., Date and Limits

(STP–037–1(23), INTERSECTION IMPR., 2007); 37C–02–90, 1993, NEW ALIGNMENT; 37C–01–92 1993 NEW ALIGNMENT (PHASE II); 37C–02–80 1993 (NEW ALIGNMENT); (37C–01–97, 1998); 37CD–01–02M, REPAIR & MAINT., 2004; 37C–01–81M 1981 (RESURFACE); 37C–02–82 INTER. IMPROV.; STP–037–1(19) 1996 (6" SHLDR & GUARD RAILS); (37C–01–91 1992 RIGHT TURN LANE); WDRC 14(1) 1948; 37CD–01–80M 1980 RESURFACE; 37C–01–88M 1988 RESURFACE; FAP 58 1929; (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.
Jan 16	E.P.J.
Jan 17	E.P.J.

ROAD INVENTORY

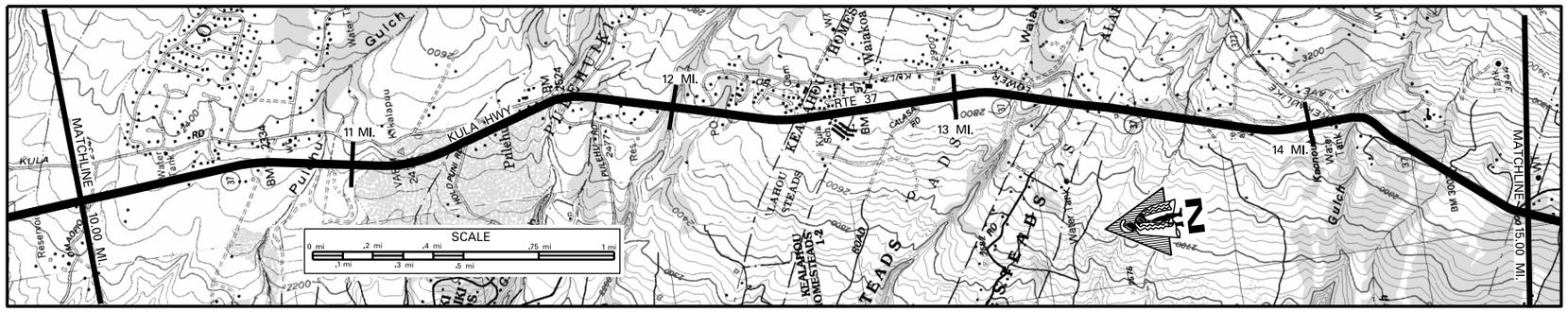
MAUI RTE 37
HALEAKALA HWY. & KULA HWY.

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: 21.344 miles
- a. Survey Length: 21.344 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) — END 37C – BEG.37D ON KULA HWY AT THE CENTERLINE OF KEKAULIKE AVE (14.25)

Structure Carrying Road
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: PRESTRESSED BEAM 1964, HS-20 164' (12.07); RC DECK GIRDER 1933, H-15 75' (14.35)
- Vertical Clearance
- Horizontal Clearance: 28' (12.07); 24' (14.35)

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: 90' – 270'; 60' (14.35)

Available Right of Way Width (Needs Study): PASTURE AND RANCH LANDS (10.00–11.99); RESIDENTIAL (12.45–13.60, 13.90–14.17)

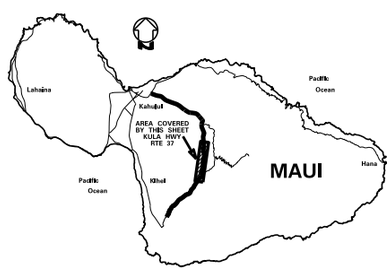
Right of Way Fence: Type – Right and Left (All fences: Wire on Wood (unless indicated)): NONE (11.99–12.18; 12.75–13.19; 13.36–13.38; 13.50–14.17; 14.35–14.38)

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): M7 = 04.31 (14.26)

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

Project No., Type of Construction, and Year Constructed: 37CD-01-02M, REPAIR & MAINT., 2004



Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET # 2

10.00 mi. — 15.00 mi.

Milepost	Mile	Feature
	10.006 mi.	OMAOPIO ROAD
	10.161 mi.	BEGIN DIVIDED
	10.118 mi.	KEONI PLACE (R) DRIVEWAY (L)
10 MP	10.230 mi.	ROAD TO ENCHANTING GARDENS
	10.308 mi.	END DIVIDED
	10.399 mi.	
	10.604 mi.	NAELE ROAD
	10.825 mi.	PAVED ROAD
	11.281 mi.	
11 MP	11.289 mi.	HOLOPUNI ROAD
	11.247 mi.	ECB
	11.427 mi.	KE STREET
	11.624 mi.	LOWER KULA ROAD
	11.755 mi.	KAMEHAMEHA ROAD
	11.989 mi.	KEAHUAIWI BRIDGE
	12.137 mi.	POST OFFICE ROAD
12 MP	12.204 mi.	LOWER KULA ROAD
	12.253 mi.	
	12.547 mi.	KULA ELEM. SCHOOL
	12.645 mi.	KULA ELEM. SCHOOL
	12.811 mi.	CALASA ROAD
	12.911 mi.	COPP ROAD
13 MP	13.267 mi.	NAALAE RD.(R) MALIA LOKEPA PL.(L)
	13.351 mi.	
	13.723 mi.	CULVERT
	13.852 mi.	CULVERT
	13.965 mi.	CULVERT
	14.063 mi.	LOWER KULA ROAD
14 MP	14.217 mi.	KEKAULIKE AVE (Route 377)
	14.262 mi.	
	14.323 mi.	MAUDS PLACE KAPOHOI BRIDGE
	14.392 mi.	
	14.576 mi.	CULVERT
14.5 MP	14.767 mi.	POULIPOLI ROAD
	14.936 mi.	

CONTINUES ON SHEET #4

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided
- Shoulder: Width and Type: 6' AC; 2' – 6' AC
- Pavement: Width and Type: 24' AC (10.00–10.161); 12' AC (10.161–10.399); 24' AC; 24' AC
- Shoulder: Width and Type: 6' AC; 0; 6' AC; 2' – 6' AC

Divided Highway – Divided
- Median: Width and Type: .161; 12' PAINT; .399
- Shoulder: Width and Type: 0
- Pavement: Width and Type: 12' AC
- Shoulder: Width and Type: 6' AC

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

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): .344 .365 .248 .398

(Right Side)

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

Sidewalk: Width and Type (Right and Left): CONC. GUTTER

Curb and/or Gutter: Type (Right and Left) (ALL GUTTERS 2' AC): 12.30

Protective Devices: Type, Location and Number (All Metal Rails on Metal Posts unless otherwise noted.): .031 .314 .340 .391 .460 .534 .722 .823 .900 .150 .209 .262 .295 .611 .624 .759 .797 .051 .064 .137 .169 .238 .274 .491 .703 .740 .932 .968 .025 .071 .141 .245 .291 .305 .232 .286 .376 .390 .398 .584 .642 .709 .796 .845 .862 .278 .322 .821 .644 .514 .607 .666 .867 .050 .113 .271 .390 .433 .480 .816 .880 .054 .090 .273 .588 .739 .822 .305 .364 .112 .182 .204 .264 .351 .658 .724 .883 .892 .938 .957 .976 .263 .326 .428 .437

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; D; A

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45): B; C (10.94); D (11.28); C (11.57); B (11.79); C (11.99); D (12.17); C (12.72); B (12.88); C (13.11); D (13.54); D (13.65); C (14.20); B (14.53); C (14.65); B (14.80); A (14.97); C (15.00)

Vertical Curve: Crest or Sag, Curve Limits

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

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

Speed: 1–Design, 2–Posted: 45 MPH (2); 20 MPH (2) (.655–.759); 45 MPH (2); 35 MPH (2) (.189–.271)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): (B74 0037 00774); B74 0037 01001; B74 0037 01255; B74 0037 01422; (B74 0037 001493)

HPMS Sections – AADT 2015: (12,100); 8,300; 6,000; 5,500; (2,600)

HPMS Sections – AADT 2014: N/A; N/A; N/A; N/A

HPMS Sections – AADT 2013: (8,600); 7,666; 5,600; 4,700; (2,600)

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4); MAJOR COLLECTOR (5)

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

Previous Projects: Project No., Date and Limits
- STP-037-1(21) RESURFACE 1999
- STP-037-1(19) 1996 GUARDRAIL & SHOULDER; STP-037-1(18) WIDEN & RESURFACE 1994
- 37C-01-88M 1988 RESURFACE; 37D-01-75 1978 WIDEN & RESURFACE
- BF-037-1(1) 1962; FAP 13A 1932

SCALE: (In Miles) 4" = 1 mile

Date Released	
Oct 2004	GN

Revised	
Nov., 06	D.B.
Dec., 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.
Jan 16	E.P.J.
Jan 17	E.P.J.

ROAD INVENTORY

MAUI RTE 37

HALEAKALA HWY & KULA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

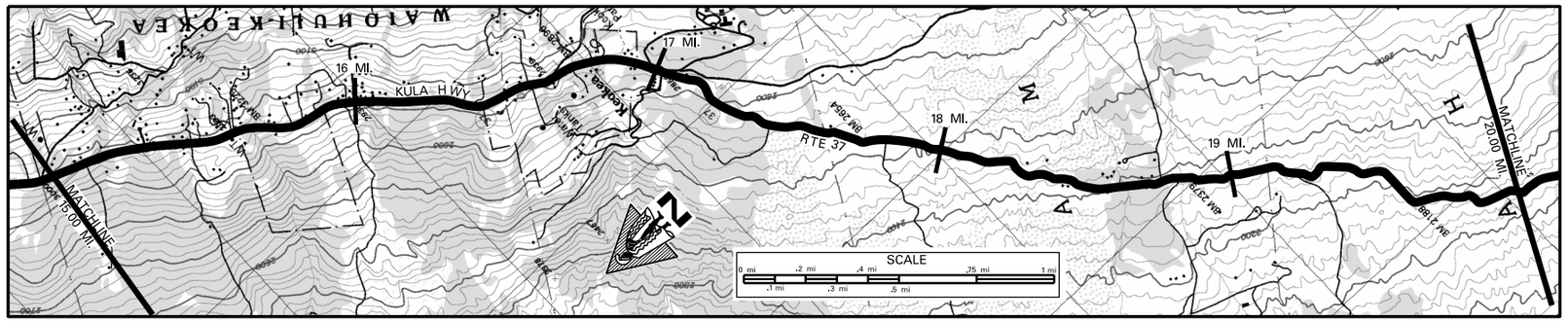
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 21.344 miles

a. Survey Length: 21.344 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: 37D (2.77 MI); End 37D on Kula Hwy. at the centerline intersection w/ Kula Sanitorium Road

Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed: RC DECK GIRDER 1933, H-15 (23' / 25')

Vertical Clearance

Horizontal Clearance: 22' / 22'

Structure Over Road — Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study): RESIDENTIAL; BRUSH AND PASTURE LAND

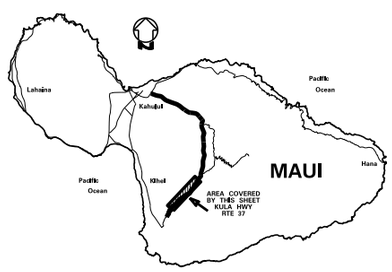
Right of Way Fence: Type – Right and Left (All fences: Wire on Wood unless indicated): STONEWALL; WIRE / WOOD AND STONEWALL

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: 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.

KULA HIGHWAY

Milepost	Feature
15.062 mi.	PUEO DRIVE CULVERT
15.029 mi.	
15.205 mi.	
15.205 mi.	
15.270 mi.	
15.241 mi.	LAUVIE DR. LEPELEPE WAOHULI "A" BR.
15.424 mi.	MALIA ULI PL. CULVERT
15.411 mi.	
15.564 mi.	MALAMAHALE PL.
15.627 mi.	
15.676 mi.	WAOHULI "B" BR. KULA MAKAI FARM LN.
15.772 mi.	
15.975 mi.	MAUKANANI ROAD
16.147 mi.	CULVERT
16.275 mi.	
16.642 mi.	CROSS ROAD
16.796 mi.	PAVED ROAD TO PARK
16.775 mi.	
16.869 mi.	THOMPSON ROAD KEOKEA PL.
17.000 mi.	(ROAD TO KULA SANITORIUM)
17.220 mi.	KA'AMANA RD
17.276 mi.	
17.778 mi.	
18.261 mi.	
18.609 mi.	CULVERT
18.721 mi.	KEALAKAPU ROAD KAMAOLE RD.
18.778 mi.	(DOCTOR SUN YAT SEN MEMORIAL PARK)
19.274 mi.	
19.778 mi.	

CONTINUES ON SHEET # 5 — 20.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

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

Pavement: Width and Type: 24' AC; 22' AC; 20' AC

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'; 2 – 11'; 2 – 10'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number (All Metal Rails on Metal Posts unless otherwise noted. RW = Rock Wall)

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)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B74 0037 01493; B74 0037 01700

HPMS Sections – AADT 2015: 2,600; 1,400

HPMS Sections – AADT 2014: N/A; N/A; N/A

HPMS Sections – AADT 2013: 2,600; 1,347

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; STP–037–1(18) WIDEN & RESURFACE 1994; 37E–01–93M WIDEN & RESURFACE 1994; 37D–01–75 1978 (WIDEN AND RESURFACE); FAP 13A, 1932; FAP 5–13A 1932; COUNTY

SCALE: (In Miles) 4" = 1 mile

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.
Jan 16	E.P.J.
Jan 17	E.P.J.

ROAD INVENTORY

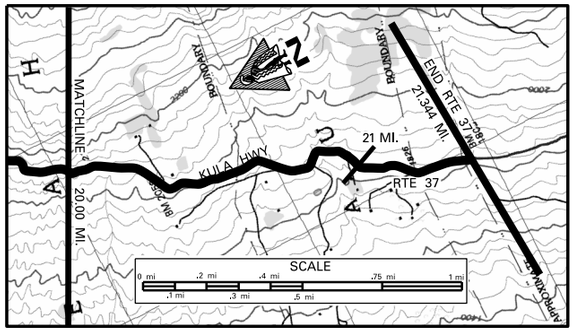
MAUI RTE 37
HALEAKALA HWY & KULA HWY

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: 21.344 miles
- a. Survey Length: 21.344 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: 0.00 miles

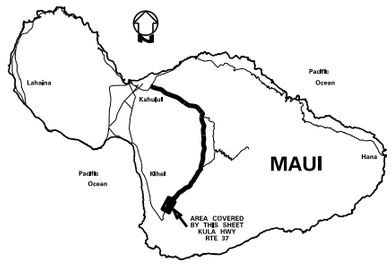


SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

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

Right of Way Width (min.–max.) if varies: 60'
Available Right of Way Width (Needs Study): BRUSH AND PASTURE LAND
Right of Way Fence: Type – Right and Left: WIRE ON WOOD (20.08); WIRE ON WOOD
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 (21.30–21.32)
Project No., Type of Construction, and Year Constructed: 37CDE–01–07M, RESURFACE, 2010



Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET #4

20.00 mi.

KULA HIGHWAY

20 MP — 20.280 mi.
20.5 MP — 20.781 mi.
DRIVEWAY — 21.163 mi.
21 MP — END STATE HWY SIGN 21.286 mi. 21.288 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '14 VIDEOLOG & '14 FEATURES DATABASE.
END ROUTE 37 ON KULA HIGHWAY @ THE CENTERLINE OF MAKENA ROAD
*21.344 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 Highway:
- Median: Width and Type
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type

Number of Traffic Lanes: 2 – 10'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
(Right Side)
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left)
Curb and/or Gutter: Type (Right and Left)
Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless otherwise noted. RW = Rock Wall (RW 20.029)
Illumination: Type, Location and Number
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)
Superelevation (Range)
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: RURAL (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: ROLLING (2)
Speed: 1–Design, 2–Posted: 25 MPH (1) (.272) (NOT POSTED)
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year): B74 0037 01700
HPMS Sections – AADT 2015: 1,400
HPMS Sections – AADT 2014: N/A (21.344)
HPMS Sections – AADT 2013: 1,347
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.
Jan 16	E.P.J.
Jan 17	E.P.J.

SCALE: (In Miles) 4" = 1 mile

ROAD INVENTORY

MAUI RTE 310
NORTH KIHEI ROAD

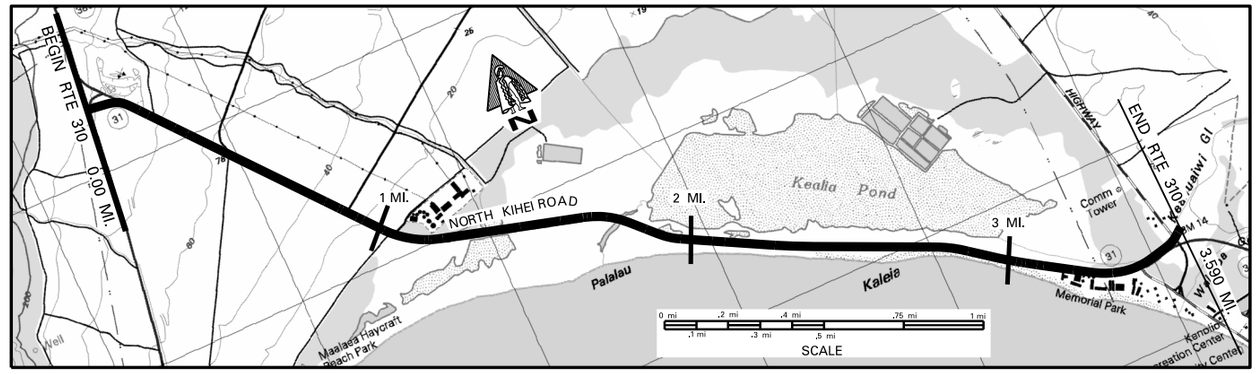
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length:	3.590	MILES (a+b)
a. Existing Length:	3.590	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	3.590	MILES (a+b, less c)
a. Existing Length:	3.590	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
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: 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

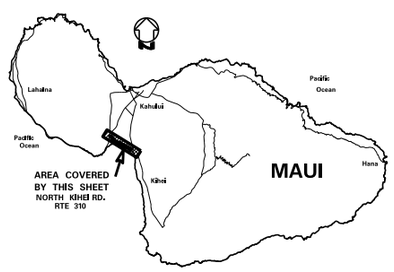
Right of Way Fence: Type – Right and Left: Wire | Wire | Wire

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



Indicates Grass & / or Physical Barrier on Median.

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 0.012 mi.
Paved Road 0.080 mi.
0.092 mi.
Cane Haul Road 0.168 mi.
Telem. Sta. 310008 0.454 mi.
Cane Haul Road 0.469 mi.
Road to Maui Electric Co. 0.733 mi.
0.868 mi.
1.030 mi.
1.036 mi.
Culvert 1.555 mi.
Road to Lookout 1.738 mi.
Road from Lookout 1.825 mi.
1.906 mi.
2.044 mi.
2.548 mi.
End Divided 2.959 mi.
Begin Divided 3.078 mi.
Begin Divided 3.168 mi.
South Kihei Road 3.332 mi.
3.446 mi.

North Kihei Road: 0.50 MP, 1 MP, 1.50 MP, 2 MP, 2.50 MP, 3 MP

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '14 VIDEOLOG & '14 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)
*3.590 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided:
- Shoulder: Width and Type: 10' AC | 6' AC
- Pavement: Width and Type (Note: Pavement Widths Include Turning Lanes from 0.00 to 0.10): (42' AC) | 36' AC | 24' AC | 22' AC | 12' AC | 38' AC | 12' AC | 24' AC
- Shoulder: Width and Type: 0 | 10' AC | 6' AC | 0' | 6' AC | 0'

Divided Highway — Median:
- Median: Width and Type: 0–10' Painted AC | Milled Shoulder Rumble Strip | Milled Shoulder Rumble Strip, Milled Centerline Rumble Strip | (0'–12' Painted AC) | 0'–12' Painted AC | 12'–24' Painted AC

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

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

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): L–14' (R) TL, 2–14' (L) TL, 2–12' (L) TL, 1–12' (R) TL

(Right Side): 1–12' (R) TL; Two–Way (L) Turning Lanes; All 12' Turning Lanes; All 12' Turning Lanes; 2–12' TL; 1–12' TL

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

Sidewalk: Width and Type (Right and Left)

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

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

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): E A D A B A B A B 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) | 35 MPH (2) | 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 00104 | (B74 0310 00345)

HPMS Sections – AADT 2015: 16,800 | 13,500 | 21,146

HPMS Sections – AADT 2014: N/A | N/A | N/A

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

DOD Sections

Census Tracts

Functional Classification: Minor Arterial (4)

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

Previous Projects: Project No., Date and Limits:
- BR–NH–030–1(24) New Alignment, 2002
- 310A–01–00M, (R) 2001
- [310A–01–91M (R) 1992] | 310A–01–91M (R), 1992
- HWY–M–02–76M (R) 1976
- WDRC 14(1) 1948
- STP–031–1(8), (R) 1996
- STP–031–1(8), (R) 1996
- [STP–0900(58), G.R. & SHLDR. IMP., 2004]
- [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.
Jan 16	E.P.J.
Jan 17	E.P.J.

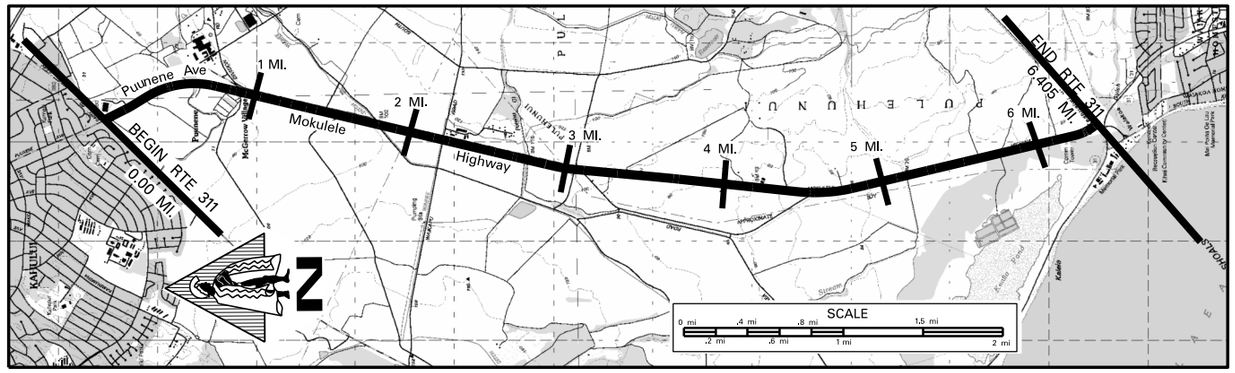
ROAD INVENTORY
MAUI RTE 311
PUUNENE AVENUE, MOKULELE HIGHWAY

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: 6.405 miles
- **a. Survey Length:** 6.405 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 Road

Vertical Clearance
- 192'(Headwall Length)

Horizontal Clearance

Right of Way Width (min.–max.) if varies
- 200' – 218'
- 240'
- (240'–400')

Available Right of Way Width (Needs Study)

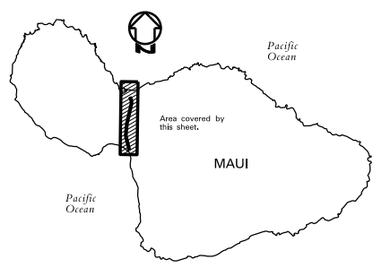
Right of Way Fence: Type – Right and Left
- Chain Link
- Chain Link
- Chain Link

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

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

Project No., Type of Construction, and Year Constructed
- NH–A311(008), Pavement Preventive Maintenance, 2015
- 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)



Indicates Grass & / or Physical Barrier on Median.

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).

Hoohana St., Driveway to Acc. to Ho'olele St.
Hansen Road
Cane Haul Rd. & T.C.
Cane Haul Rd. Cane Haul Rd.
MAUI BASEYARD ROAD
TELEM. STA. 311023
Pulehu Bridge
Kamaaha Rd. (L) Kaonohi Place (R) Alternate Rte. (R)
MOKULELE HWY
Mahamaha Loop (R) Road to Maui Raceway Park (L)
Culvert
Service Road Kalalea Gulch Culvert
Keelia Pond Road (R) Culvert
Keelhuiwi Gulch Bridge

0.000 mi. 0.687 mi. 6.427 mi. 2.357 mi. 2.916 mi. 3.220 mi. 4.183 mi. 4.528 mi. 5.731 mi. 6.214 mi.

0 MP 1 MP 2 MP 3 MP 4 MP 5 MP 6 MP

PUUNENE AVENUE — MOKULELE HWY

0.205 mi. 0.155 mi. 0.083 mi. 0.066 mi. 0.581 mi. 0.911 mi. 0.871 mi. 1.824 mi. 1.792 mi. 2.044 mi. 2.210 mi. 2.368 mi. 2.786 mi. 2.736 mi. 3.064 mi. 3.789 mi. 4.382 mi. 4.766 mi. 4.676 mi. 5.130 mi. 5.249 mi. 5.759 mi. 5.747 mi. 5.655 mi. 6.357 mi.

*6.405 mi.

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

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '14 VIDEOLOG & '14 FEATURES DATABASE.

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type
- Milled Shoulder Rumble Strip
- 8' AC
- 8' AC

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

Shoulder: Width and Type
- (16' AC Paint)
- 4' AC
- 0
- 4' AC
- 0
- 4' AC
- 0
- 4' AC
- 0
- 4' AC

Median: Width and Type
- 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
- Milled Shoulder Rumble Strip
- 8' AC
- 8' AC

Number of Traffic Lanes
- 4–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) (All Turning Lanes 12')
- 4–12'

(Right Side) (All Turning Lanes 12')

Frontage Road: No. of Lanes, and Width (Right and Left)
- 10' AC Bike Route
- (12' AC Bike Route)
- 10' AC Shared–Use Path

Sidewalk: Width and Type (Right and Left)

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

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

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

HPMS Sections – AADT 2015
- 16,100
- 32,300

HPMS Sections – AADT 2014
- N/A
- N/A

HPMS Sections – AADT 2013
- 16,700
- 31,838
- 31,000

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
- 311A–01–93M, Resurf., 1993 County
- SOS–0900(21), 1984 Safety Imprv.

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.
Jan 16	E.P.J.
Jan 17	E.P.J.

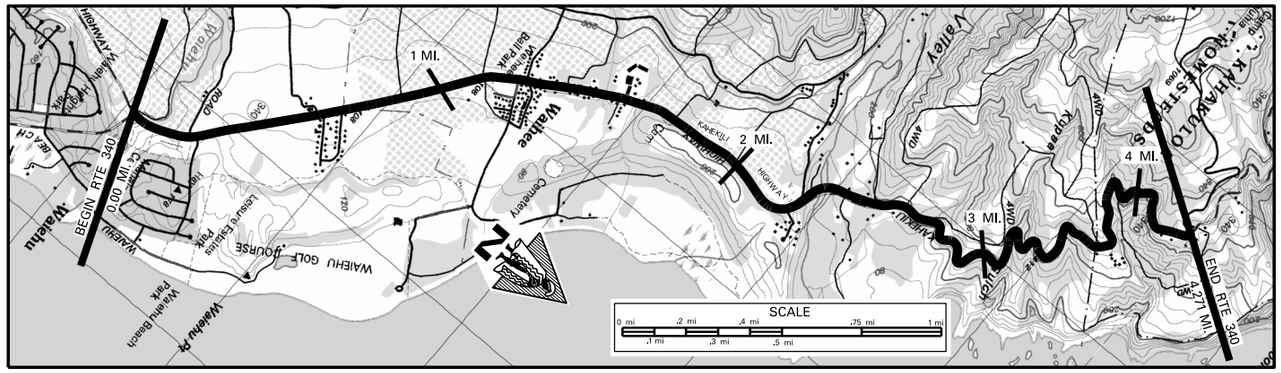
ROAD INVENTORY
MAUI RTE 340
KAHEKILI HIGHWAY

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: 4.271 miles
- a. Survey Length: 4.271 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: 0.00 miles



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

Begin 340 C on Kahekili Hwy 350' South of centerline intersection with Waiehu Beach Rd. — 340 C (2.49 MI) — 2.49 — End 340 C 320' North of North end of Waihee Bridge #2

Structure Carrying Road

- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: CULVERT 1967 HS20 34' (0.02); CULVERT 10'; PRESTRESSED BEAM 1967 HS20 245'
- Vertical Clearance
- Horizontal Clearance: 24'; 28'

Structure Over Road

- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: 70' – 240' (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

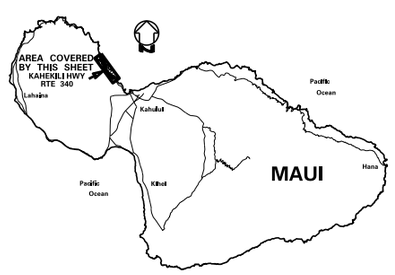
Right of Way Fence: Type – Right and Left: CHAINLINK 10' FROM PAVEMENT (1.14–1.22)

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 (0.23–0.55); PERMIT #MA-07-15, IMPRVTS., 2008 (1.28–4.28); 226+50

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



Road Diagram
* MP = Milepost Signage

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

RD. TO CEMETERY (L) & WAIEHU STR. CULVERT (0.059 mi.); HOAUNA STREET MALAHI ROAD (0.215 mi.); BEGIN DIVIDED (0.341 mi.); NA WAI EHA PL. (0.447 mi.); TELEM. STA. 340005; KOHOMUIA STREET & KAAHUMANU PL. (R) (0.621 mi.); HO'OLA HOU ST. (0.677 mi.); CULVERT (0.776 mi.); END DIVIDED OMILU ST. (0.918 mi.); WILIPOHAKU ST. KUHINIA ST. HALEWAUI ROAD (1.078 mi.); PAVED ROAD CULVERT (1.149 mi.); UNPAVED ROAD (1.373 mi.); UNPAVED ROAD (1.529 mi.); UNPAVED ROAD (1.783 mi.); CULVERT (1.906 mi.); ECB (2.009 mi.); WAIHEE VALLEY RD (2.100 mi.); PAVED ROAD WAIHEE BRIDGE #2 (2.213 mi.); PAVED ROAD (2.417 mi.); CULVERT (2.639 mi.); CULVERT (3.189 mi.); CULVERT ECB (3.318 mi.); CULVERT (3.496 mi.); CULVERT (3.871 mi.); CULVERT (4.039 mi.); RD. TO CAMP MALUHIA (L) & END STATE HWY* CULVERT (4.132 mi.); ECB (4.271 mi.)

KAHEKILI HIGHWAY (3 MP, 4 MP, 5 MP, 6 MP)

OKI PLACE

*4.271 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '14 VIDEOLOG & '14 FEATURES DATABASE. END ROUTE 340 ON KAHEKILI HIGHWAY AT THE CENTERLINE ENTRANCE TO CAMP MALUHIA.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

- Shoulder: Width and Type: 6' AC; 2'–4' GRS; 2'–6' AC; 2'–4' GRS; 6' AC; 2' AC; 0; 2' AC; 2' AC & 10' Grass; 2' AC; 2' – 4' AC
- Pavement: Width and Type: 24' AC; 12' AC; 22' AC; 20' AC; 22' AC; 20' AC
- Shoulder: Width and Type: 6' AC; 0; 8' AC; 4' AC; 2' AC; 2' AC & 10' Grass; 2' AC; 2' – 4' AC

Divided Highway

- Median: Width and Type: 10' PAINT
- Shoulder: Width and Type: 0
- Pavement: Width and Type: 12' AC
- Shoulder: Width and Type: 6' AC; 0; 0

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

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

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

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

Curb and/or Gutter: Type (Right and Left): AC CURBS; 2' CONC. GUTTER/CURB; 6" CONC. GUTTERS; 3' CONC. GUTTERS; 3' AC GUTTER

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

Illumination: Type, Location and Number: 7 MV; 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)

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: ROLLING (2); FLAT (1); ROLLING (2); MOUNTAINOUS (3)

Speed: 1–Design, 2–Posted: 30 MPH (2); 20 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B74 0340 00000; B74 0340 00221

HPMS Sections – AADT 2015: 6,500; 830

HPMS Sections – AADT 2014: N/A; N/A

HPMS Sections – AADT 2013: 6,400; 4,248; 1,179; 10

DOD Sections

Census Tracts

Functional Classification: MAJOR COLLECTOR (5)

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

Previous Projects: Project No., Date and Limits: (3400B-01-97M, RESURFACE, 1998); 340D-01-93M, RESURFACE, 1994

S-0341(3) 1966 — COUNTY; S-0330(2) 1967 — COUNTY

SCALE: (In Miles) 4" = 1 mile

Date Released	
Oct 2004	GN
Revised	
Nov. 06	D.B.
Feb. 08	D.B.
Dec. 09	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.
Jan 16	E.P.J.
Jan 17	E.P.J.

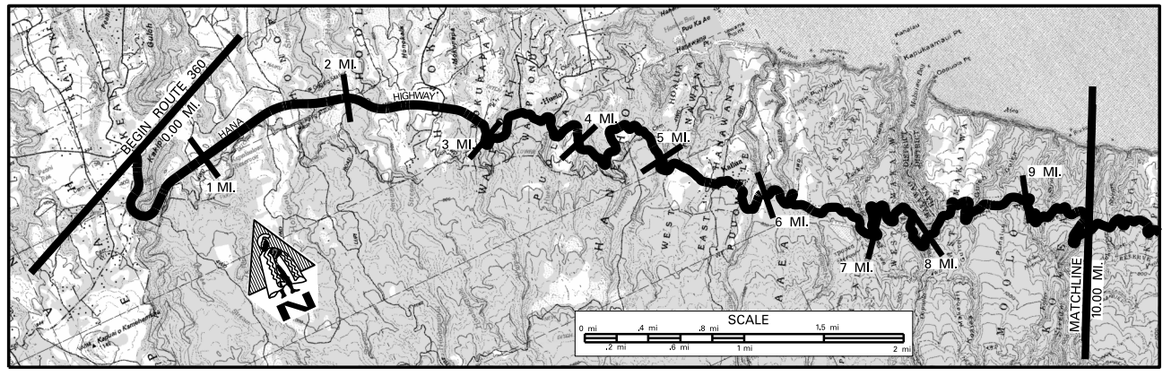
ROAD INVENTORY
MAUI RTE 360
HANA HIGHWAY

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: 34.828 miles
a. Survey Length: 34.828 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	Vertical Clearance	Horizontal Clearance
Culvert 1966 HS 20	0.46	33' / 24'
Steel Multistringer 1941 HS 20	2.14	210' / 24'
Tee Beam 1929	5.09	49' / 16'
Tee Beam 1929 – H15	5.86	40' / 20'
Tee Beam 1930 – H15	6.22	64' / 19'
Tee Beam 1925, H15	7.04	30' / 20'
Slab 1928, H15	8.24	18' / 16'
Tee Beam 1928, H10	8.57	22' / 15'
Slab 1911, H15	8.88	41' / 12'

Structure Over Road
Vertical Clearance
Horizontal Clearance

Right of Way Width (min.–max.) if varies
0.78: 80'–360' | 2.79: 80'–160' | 4.82: 50'–135' | 5.87: 50' | 40'

Available Right of Way Width (Needs Study)
Cliffs / Pasture Area | Res. Area 5.65 | Bushes & Trees

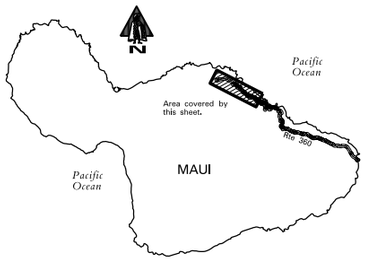
Right of Way Fence: Type – Right and Left W/W=Wire on Wood
2.71 Wire 2.89 | 3.56 W/W 3.98 | 4.70 W/W 4.90 | 5.98 W/W 6.53 | 6.42 W/W 6.77 W/W 6.75 6.59 | 8.30 W/W 8.44 | 8.73 W/W 8.90 8.77 W/W 9.04 | 9.44 W/W 9.65

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C)
7+00 State 26+50

Project No., Type of Construction, and Year Constructed
36C–01–15M, Resurface, 2016 | 360A–01–10M, 2013 (Resurfacing) 9.16

Project No., Type of Construction, and Year Constructed
0.00 HWY–M–01–14M, SIGN REPLACEMENT, 2016 3.32 | 4.15 360A–01–94M, 1995 (Resurfacing & Improvements) (360A–02–05M, (R), 2007) 9.43



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) 0 MP | Culvert 0.041 mi. | Gated Driveway 0.328 mi. | 0.461 mi. | 0.695 mi. | 1 MP 1.017 mi. | Gated Driveway 1.439 mi. | Honopou Rd. 1.675 mi. | Uaiena Lp. 1.899 mi. | Hoolawa Br. ECB(R) Lupi Rd. 2.138 mi. 2.317 mi. 2.017 mi. | Uaiena Loop 2.638 mi. | Honokala 2.632 mi. | 3.002 mi. | 3.2 MP E. Waipio Rd. 3.382 mi. | Door Of Faith Rd. (Public Telephone(L)) 3.577 mi. | 3.5 MP 3.599 mi. | 4 MP 3.947 mi. | Culvert 4.253 mi. | 4.5 MP 4.445 mi. | 5 MP 4.931 mi. | Hoalua Bridge 5.064 mi. | Puuomalle Pl. Puuomalle Rd. Culvert 5.444 mi. 5.438 mi. 5.447 mi. | 5.5 MP | Public Telephone(L) Driveway 5.685 mi. | Kalua Bridge 5.831 mi. | 6 MP | Nailiihaele Br. 6.201 mi. | 6.5 MP 6.440 mi. | 7 MP PA Culvert 6.900 mi. | 7.5 MP 7.364 mi. | ECB(L) 7.700 mi. | Opuola Br. 7.876 mi. | 8 MP 7.913 mi. | Makanali Br. 8.213 mi. | 8.5 MP 8.399 mi. | Kaalea Br. 8.545 mi. | 9 MP 8.899 mi. | Culvert 9.132 mi. | Kolea Culvert 9.239 mi. | Waikamoi Br. Trail (R) 9.447 mi. | Waikamoi Br. ECB(L) 9.833 mi. 9.828 mi. | 10 MP

HANA HIGHWAY

CONTINUED ON SHEET #2.

SCALE: (In Miles) 2" = 1 mile

Divided Highway

	Undivided
Shoulder: Width and Type	6'–8' AC; 2' AC; 2'–4' Grs.; 0; 2'–4' Grs.; 0–2' Grass; 2'–4' Grs.; 0–2' Grass
Pavement: Width and Type	22' AC; 18'–24' AC; 16'–22' AC
Shoulder: Width and Type	4'–6' AC; 6'–14' AC; 4'–6' AC; 2'–4' AC; 0–2' Grass
Median: Width and Type	Milled Centerline Rumble Strip
Median Barriers:	
Shoulder: Width and Type	
Pavement: Width and Type	
Shoulder: Width and Type	

Number of Traffic Lanes
2–11' | 2–(9'–12') | 2–(8'–11')

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number Metal Rails on Metal Posts unless otherwise noted.
AC Swale | Concrete Barrier | Masonry Wall | Masonry Wall

Illumination: Type, Location and Number

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:
Small Urban (99998) 2.63 | Rural (99999)

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

Speed: 1–Design, 2–Posted
Not Posted | 35 MPH (2) | 35 MPH (2) | 25 MPH (2) | (25 MPH (2)) 2.62 | 15 MPH (2) | 15 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing
1.04

Traffic Stations (Current Year)
B74 0360 00000 | B74 0360 00586

HPMS Sections – AADT 2015
3,800 | 1,500

HPMS Sections – AADT 2014
N/A

HPMS Sections – AADT 2013
3,800 | 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
ARR–0360(10), PREV. MAINT., 2010
STP–0900(39), (R) 1996
360A–01–86M, (R) 1986
360A–01–80, 1981
360A–01–80, (Imprv) 1981
360A–01–82, 1983 (Imprv.) & 360A–01–83M, 1983 (Resurfacing)
360A–01–94M, 1995 (Resurfacing & Improvements)
S–0360 (4), 1963 | S–0360(3), 1963 | F–32 (2), 1946,1957 | 12ob #5839, 1964 | C–360–01–63, 1967 | County | A–360–01–62,1962 | (360AB–01–00M, 2002, Repairs & Maintenance)

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.
Jan 16	E.P.J.
Jan 17	E.P.J.

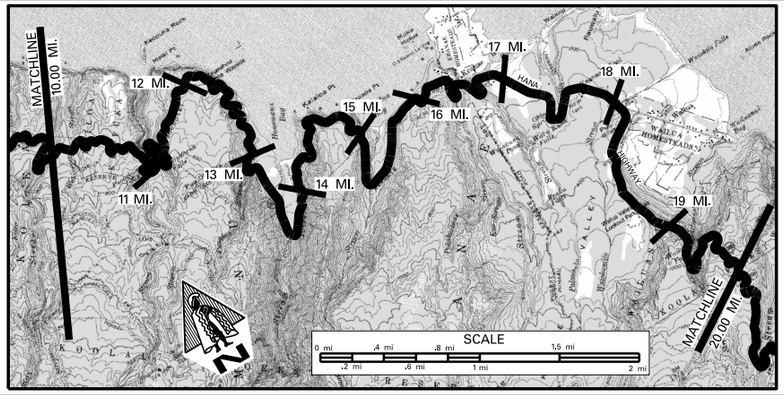
ROAD INVENTORY
MAUI RTE 360
HANA HIGHWAY

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: 34.828 miles
- a. Survey Length: 34.828 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 A (12.20 mi.)
- End 360A & Begin 360B on Hana Hwy at the Southeast End of Waiokamilo St. Bridge. 360 B (16.57 mi.)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed										
	Tee Beam 1912, H15	Tee Beam 1912, H15	Tee Beam 1911, H15	Tee Beam 1911, H15	Tee Beam 1911, H15	Tee Beam 1916, H15	Tee Beam 1916, H15	Tee Beam 1921, H15	Cantilevered Conc. Deck 2006, HL-93	Conc. Masonry Arch 1926, H15
	56'	34'	34'	48'	35'	28'	31'	24'	100'	108'
Vertical Clearance	10.97	11.44	13.16	13.71	15.39	16.60	16.77	18.07	18.93	19.39
Horizontal Clearance	15'	12'	12'	12'	21'	19'	20'	22'	22'	17'

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: (40'–115') 14.89 – 14.81; 40'

Available Right of Way Width (Needs Study): Bushes & Trees; Res. Area; Heavy Brush & Trees; Res. Area; Heavy Brush, Trees & Steep Cliffs

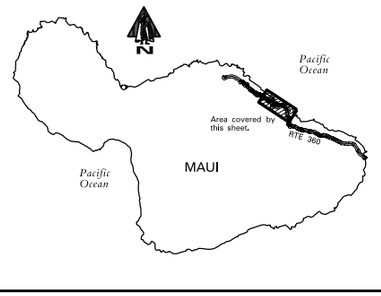
Right of Way Fence: Type – Right and Left: Wire 10.26 – 10.73; 11.07 – 11.20 (ROCKFALL PROTECTION); (360B–01–12M (R) 2016); (360B–01–95M (R) 1997)

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): (360AB–01–09, Improvements (M.P.s 11.2, 14.7 to 14.9, 16.3), 2016); 4+40; State; (360AB–02–03M Roadway Deck, 2006); 591+50

Project No., Type of Construction, and Year Constructed: 11.02; 360AB–01–11M (R) 2016; (360B–01–93M (R) 1994); 18.26 – 18.43; 18.66 – 18.85; 19.40 – 19.35

Project No., Type of Construction, and Year Constructed: 360A–02–05M, RESURF., 2007; 689+00; 13.85 – 13.95; 14.07; (360AB–01–00M (Repairs & Maintenance) 2002); 360AB–01–98M (R) 1999; (360AB–01–88 (Resurf & Improv.) 1990)



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #1.

Culvert; "Garden of Eden" Arboretum; Puohakamoa Br.; Halipuaena Br.; Culvert; Kaumahina Park Rd.; Wayside; Culvert; Culvert; ECB(L); Kolea Br.; Honomanu Br.; Campground Rd.; Culvert; Culvert; Culvert; Culvert; Nuualiku Br.; Culvert; ECB(R); Culvert; Keanae Rd.; Keanae Arboretum (R); Piihaau Br.; Culvert; Culvert; Culvert; Palauhulu Br.; Culvert; Culvert; "Half Way to Hana" Fruit Stand (Wainui); (4)Conc. Bridges; Culvert; Keanae School; Culvert; ECB(R); Culvert; Waiokamilo Br.; Wailua Rd. Spur; Wailua Rd.; Culvert; Culvert; Culvert; Culvert ("Wailua Valley State Wayside"); Rd. to Keanae; Wailua Valley Lookout (L); Wakiaiai Br.; Culvert

HANA HIGHWAY

12 MP; 13 MP; 14 MP; 14.50 MP; 15 MP; 15.50 MP; 16 MP; 16.50 MP; 17 MP; 17.50 MP; 18 MP; 19 MP; 20 MP

10.181 mi.; 10.460 mi.; 10.934 mi.; 11.405 mi.; 11.684 mi.; 11.823 mi.; 12.095 mi.; 12.276 mi.; 12.641 mi.; 12.844 mi.; 12.982 mi.; 13.117 mi.; 13.670 mi.; 13.839 mi.; 13.899 mi.; 14.232 mi.; 14.287 mi.; 14.658 mi.; 14.822 mi.; 14.910 mi.; 15.375 mi.; 15.331 mi.; 15.32 mi.; 15.500 mi.; 15.835 mi.; 15.81 mi.; 16.046 mi.; 16.30 mi.; 16.413 mi.; 16.507 mi.; 16.549 mi.; 16.716 mi.; 16.784 mi.; 16.833 mi.; 16.924 mi.; 17.020 mi.; 17.199 mi.; 17.264 mi.; 17.639 mi.; 17.720 mi.; 17.888 mi.; 17.891 mi.; 18.024 mi.; 18.049 mi.; 18.070 mi.; 18.384 mi.; 18.531 mi.; 18.755 mi.; 18.746 mi.; 19.009 mi.; 19.342 mi.; 19.893 mi.

CONTINUED ON SHEET #3.

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided

- Shoulder: Width and Type: 0–2' Grass
- Pavement: Width and Type: 16'–22' AC
- Shoulder: Width and Type: 0–2' Grass; 2' AC; 0–2' Grass; 15' Grv.; 0–2' Grass; 2'–4' Grs.; 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'–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): Concrete Barrier; Masonry Wall; 8' AC Gutter; 2' Conc. Curb & Gutter; (Conc. Gutter)

Curb and/or Gutter: Type (Right and Left): 4' Conc. Swale; 4' AC Gutter; 4' Conc. Gutter; Masonry Walls

Protective Devices: Type, Location and Number — Metal Rails on Metal Posts Unless Otherwise Noted. (Conc. Barrier); Gabion Retaining Wall

Illumination: Type, Location and Number

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural (99999)

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

Speed: 1–Design, 2–Posted: 15 MPH (2); 30 MPH (2); 35 MPH (2); 15 MPH (2); 15 MPH (2); 30 MPH (2); 15 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B74 0360 00586

HPMS Sections – AADT 2015: 1,500

HPMS Sections – AADT 2014: N/A; 718; 1,501; 1,400

HPMS Sections – AADT 2013: 1,500; 1,394; 678; 1,417; 1,506

DOD Sections

Census Tracts

Functional Classification: Major Collector (5)

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

Previous Projects: Project No., Date and Limits
- 360A–01–94M, 1995 Resurfacing & Improvements; 360AB–01–98M (R) 1999
- 11.02 — 11.20 —(360AB–02–98, 2005, ROCKFALL MITIGATION); 18.61
- 360A–01–82, 1983 (Improv.) & 360A–01–83M, 1983 (Resurface); 14.19 — 14.31 —(360A–04–95, (Realignment) 1999); 16.03 —(360A–01–97 (Improv.) 1999)
- 360AB–01–68 (Resurface & Improv.) 1990; 360B–01–93M, 1994 (R)
- County

SCALE: (In Miles) 2" = 1 mile

Date Released
Oct 2003, D.B.

Revised	
Sept. 04	D.B.
FEB. 06	D.B.
Nov., 06	D.B.
Feb., 08	D.B.
Dec. 09	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J
Dec. 13	E.P.J
July 14	D.B.
Jan 16	E.P.J
Jan 17	E.P.J

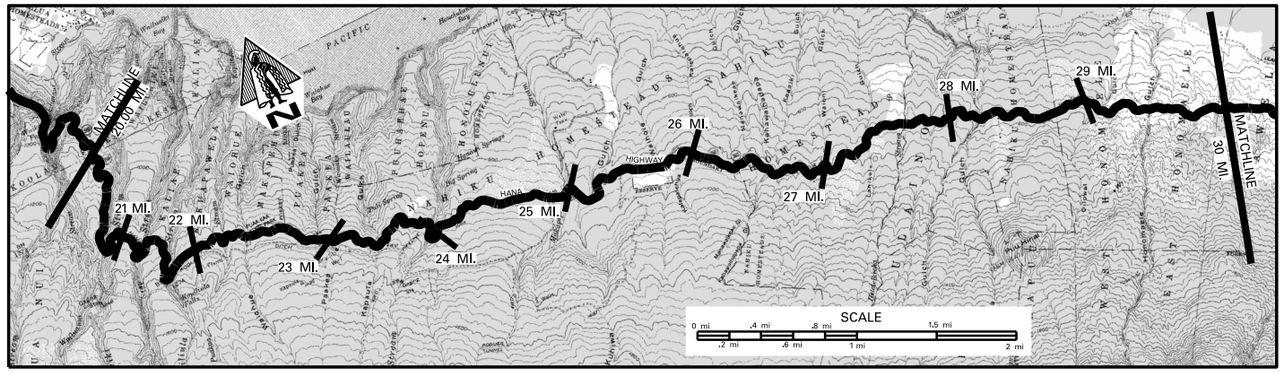
ROAD INVENTORY
MAUI RTE 360
HANA HIGHWAY

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: 34.828 miles
- **a. Survey Length:** 34.828 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 62' | Tee Beam 1926 H15 34' | Tee Beam 1926 H15 76' | Tee Beam 1926 H15 20' | Tee Beam 1937 H15 40' | Tee Beam 1920 H15 20' | Tee Beam 1926 H15 49' | Conc. Masonry Arch 1926 H15 60' | Tee Beam 1926 23' | Tee Beam 1926 – H15 40' | Conc. Masonry Arch 1926 – H15 60' | Tee Beam 1926 24' | Tee Beam H15 1926 24' | 1922 60' | 1921 22' | 1920 29' | 1920 24' | Tee Beam – H15 1917 51' | 1917 28' | 1914 39' | Slab 1908 – H15 48' | Tee Beam 1914 – H15 22' | Tee Beam 1924 – H15 38'

Vertical Clearance: 20.83 | 21.30 | 21.81 | 22.31 | 22.47 | 22.95 | 23.33 | 23.89 | 24.16 | 24.68 | 25.20 | 25.42 | 25.95 | 26.48 | 26.77 | 26.94 | 27.01 | 27.76 | 27.92 | 27.98 | 28.31 | 28.18 | 25.54

Horizontal Clearance: 20' | 18' | 14' | 22' | 13' | 12' | 16' | 20' | 16' | 16' | 16' | 16' | 16' | 16' | 16' | 16' | 16' | 16' | 16' | 16' | 13' | 16' | 16'

Structure Over Feature

Vertical Clearance

Horizontal Clearance

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

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

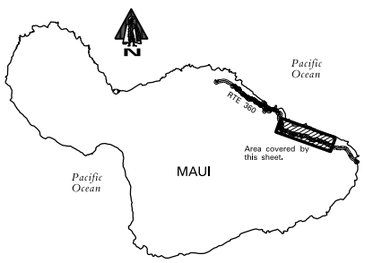
Right of Way Fence: Type – Right and Left (W/W=Wire on Wood): W/W; W/W; W/W; W/W; W/W; W/W

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State; (360AB–01–88 (R) 1990); 1089 + 50; 1226 + 00; 1385 + 00

Project No., Type of Construction, and Year Constructed: 360B–01–12M (Resurface) 2016; 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.

HANA HIGHWAY

Culvert; ECB(L) Culvert; Culvert; W. Wailuaiki Br.; Culvert; Culvert; Culvert; E. Wailuaiki Br.; Koolauula Br.; Culvert; Waiohue Br.; Culvert; Culvert; Pua'a Ka'a Br.; Paakea Br.; Culvert; Unnamed Br. 1; Unnamed Br. 2; Unnamed Br. 3; Culvert; Kapaula Br.; Culvert; Hanawi Br.; ECB(L) Bridge; E. Hanawi Br.; Lower Nahiku Rd. Makapipi Br.; Kuhiwa Br.; Kuiputoi Br.; Kahalaowaka Br.; ECB(L); Puapae Br.; Kahawaihapapa Br.; Kaeaiki Br.; Waikani Br.; W. Waikani Br.; Culvert; Culvert; Lanikoele Br.; Ulaikoa Br.; Helehelehoha Br.; Mokulehua Br.; ECB (R); Olloweal Br.; Honomaele Br.; Bridge

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'–22' 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'–11'); 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 00586

HPMS Sections – AADT 2015: 1,500

HPMS Sections – AADT 2014: N/A

HPMS Sections – AADT 2013: 1,400

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–01–93 (R) 1994; 360B–01–85 1986; 360AB–01–88 (Resurf. & Improv.) 1990; County to State; 360B–01–80 (Imprv.) 1981

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.
Jan 16	E.P.J.
Jan 17	E.P.J.

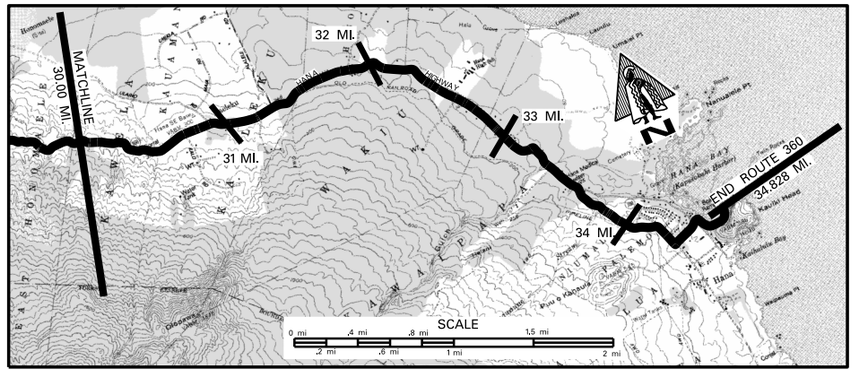
ROAD INVENTORY
MAUI RTE 360
HANA HIGHWAY & KEAWA PLACE

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: 34.828 miles
- **a. Survey Length:** 34.828 miles
- **b. Proposed Length:** 0.00 miles
- **c. Other Length:** 0.00 miles



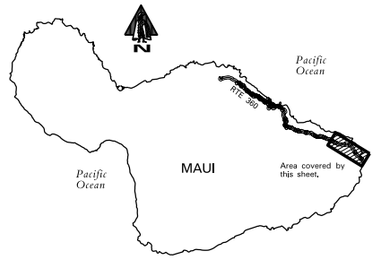
SCALE: (In Miles) 2" = 1 mile

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
- Vertical Clearance: 73' (33.44)
- Horizontal Clearance: 26'

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

- Right of Way Width (min.–max.) if varies: 40'
- Available Right of Way Width (Needs Study): Bushes & Trees; Res. Area; Clr. 1000' from 15' Pvmt.; Pasture; Res. Area
- Right of Way Fence: Type – Right and Left (W/W=Wire on Wood): Wire; W/W; Various; Wire on Wood; 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 (1385 + 00; 1699 + 62)
- Project No., Type of Construction, and Year Constructed: (360B–01–80 (Improv.) 1981); 360B–02–06M, Resurfacing, 2010
- Project No., Type of Construction, and Year Constructed: 360B–01–96M (Resurf.) 1997; 360B–01–91M (Resurfacing) 1991; (360B–02–93M (Storm Drain Repair) 1993); (360B–01–83M (Resurface) 1983)



Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET #3.

Bridge; Bridge; ECB(L); Kalo Rd.; Ulaino St.; Culvert; Kaheki Pl.; Airport (Rd. to Hana); Okopawa Rd.; Alalele Pl.; To Waianapanapa State Park; Hana Elemnary School ECB(L); Hana High School; Waikaha Rd. (Refuse Disposal Site); Kanaloha Pl.; Kawaipapa Br.; Bridge 33.380 mi. (Driveways to County Hana Mid. Center Public Telephone(R)); HANA HIGHWAY; Kauiki St.; Pa'antinal Park; Keawa Pl. (L); Keanini Dr.; Alau St.; Culvert; Uakea Rd.; KEAWA PLACE

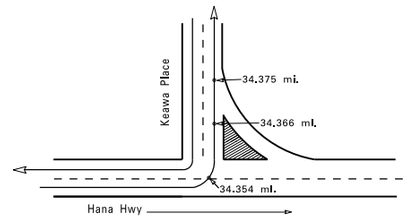
MP 31; MP 32; MP 33; MP 34; Hana angle point

30.095 mi. 30.125 mi. 30.432 mi. 30.571 mi. 30.714 mi. 30.810 mi. 30.894 mi. 31.099 mi. 31.198 mi. 31.302 mi. 31.471 mi. 31.812 mi. 31.844 mi. 32.499 mi. 32.505 mi. 32.602 mi. 32.765 mi. 33.040 mi. 33.353 mi. 33.393 mi. 33.576 mi. 33.598 mi. 33.615 mi. 33.617 mi. 33.812 mi. 33.993 mi. 34.069 mi. 34.229 mi. 34.288 mi. 34.354 mi. 34.536 mi. 34.567 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '14 VIDEOLOG & '14 FEATURES DATABASE.

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

*34.828 mi.



SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided
- Shoulder: Width and Type: 0–2' Grs.; 2'–4' Grs.
- Pavement: Width and Type: 4' AC; 16'–22' AC; 4'–6' 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–(8'–11')
- Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
- (Right Side)
- Frontage Road: No. of Lanes, and Width (Right and Left)
- Sidewalk: Width and Type (Right and Left): (4.5'–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
- 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: (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); 35 MPH (2); Not Posted; (20 MPH (2))
- Intersection Control Devices: Type, Location and Cycle Timing
- Traffic Stations (Current Year): B74 0360 00586
- HPMS Sections – AADT 2015: 1,500
- HPMS Sections – AADT 2014: N/A
- HPMS Sections – AADT 2013: 1,400; 1,554; 1,900; 1,845
- 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.
Jan 16	E.P.J.
Jan 17	E.P.J.

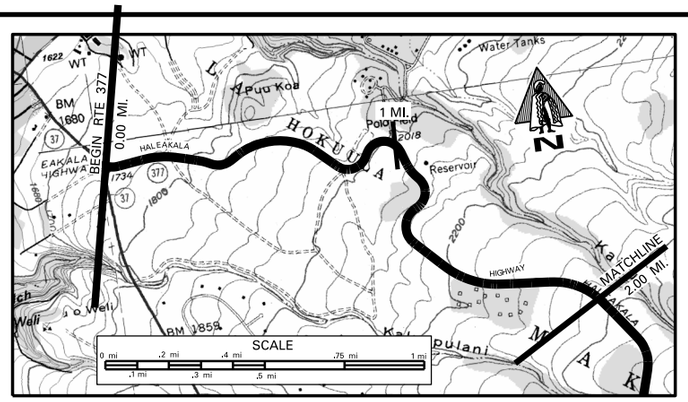
ROAD INVENTORY
MAUI RTE 377
KEKAULIKE AVE & HALEAKALA HWY

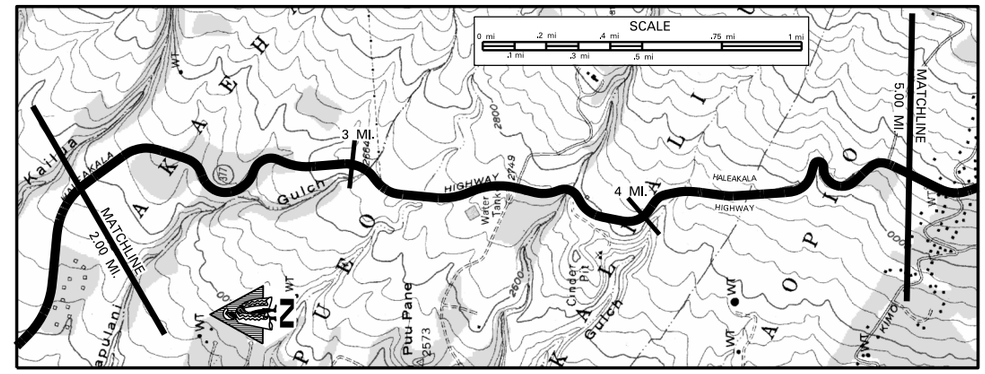
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 9.137 miles
- a. Survey Length: 9.137 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: 0.00 miles

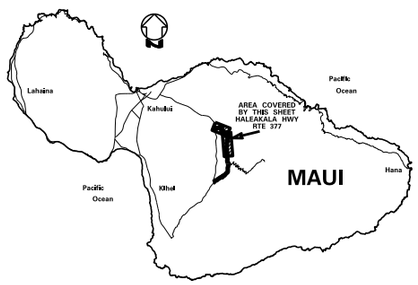




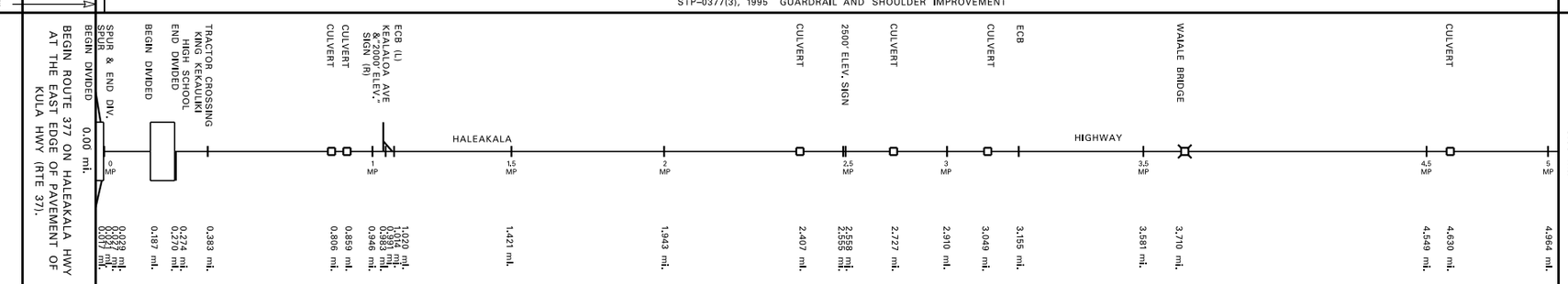
SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description
0.00 Begin 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'
	Vertical Clearance	
	Horizontal Clearance	24'
Structure Over Road	Vertical Clearance	
	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)		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



SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type		4' AC
Pavement: Width and Type	(11' AC)	22' AC (11' AC); 22' AC
Shoulder: Width and Type	(0)	4' AC (0); 4' AC
Median: Width and Type	(0–11' PAINTED AC)	0.027; 0.187; 0.27 PAINTED AC; 0.270
Shoulder: Width and Type	(0)	0
Pavement: Width and Type	(11' AC)	11' AC
Shoulder: Width and Type	(4' AC)	4' AC

Number of Traffic Lanes	2 – 11'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	.077 .270 .320 11' T.L.
(Right Side)	.098 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)	.042 .104 .171 .207 .340 .407 .565 .695 .785 .823 .856 .882 .922 .996 .379 .394 .464 .463 .576 .630 .631 .653 .707 .778 .037 .059 .074 .099 .251 .293 .445 .464 .512 .547 .593 .630 .776 .763 .098 .100 .203 .246 .257 .394 .423 .472 .642 .695 .706 .741 .969
Protective Devices: Type, Location and Number	All Metal Rails on Metal Posts unless otherwise noted.
Illumination: Type, Location and Number	
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)	C 0.05 A 0.11 B 0.22 AC 0.33 D 0.41 B 0.70 A 0.76 E 1.04 C 1.12 E 1.38 A 1.49 B 1.68 A 1.82 B 2.07 A 2.16 C 2.29 A 2.36 D 2.87 E 2.78 C 2.87 A 2.96 D 3.19 A 3.29 BA 3.41 B 3.58 A 3.69 C 3.69 E 3.77 D 3.88 A 3.92 D 4.12 AB 4.20 A 4.29 B 4.33 A 4.48 D 4.60 E 4.67 E 4.82 AD 4.96 A
Superelevation (Range)	–7 1.31 1.51 –7 2.19 –7 4.36 4.51
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 0.88 C 0.98 E 1.17 D 1.24 E 1.70 D 1.94 E 2.24 C 2.46 A 2.46 D 2.62 C 2.68 D 2.76 E 2.82 C 3.20 B 3.28 C 3.82 D
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	SMALL URBAN (99998) 1.00; 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
HPMS Sections – AADT 2015	4,700
HPMS Sections – AADT 2014	N/A
HPMS Sections – AADT 2013	3,500; 2,700
DOD Sections	4.00
Census Tracts	
Functional Classification	MAJOR COLLECTOR (5)
National Highway System (NHS)	NOT ON NHS (0)
Previous Projects: Project No., Date and Limits	0.00 STP–0377(4), 1994 RESURFACE
	1.65 377A–01–83M 1983 RESURFACE; 4.03 377A–01–85M 1985 RESURFACE
	377A–02–81M 1981 RESURFACE; 1.07 JOB #5569 1952 RESURFACE
	FAP 5B 1933 0.00; FAP–5B 1929, 1933

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.
Jan 16	E.P.J.
Jan 17	E.P.J.

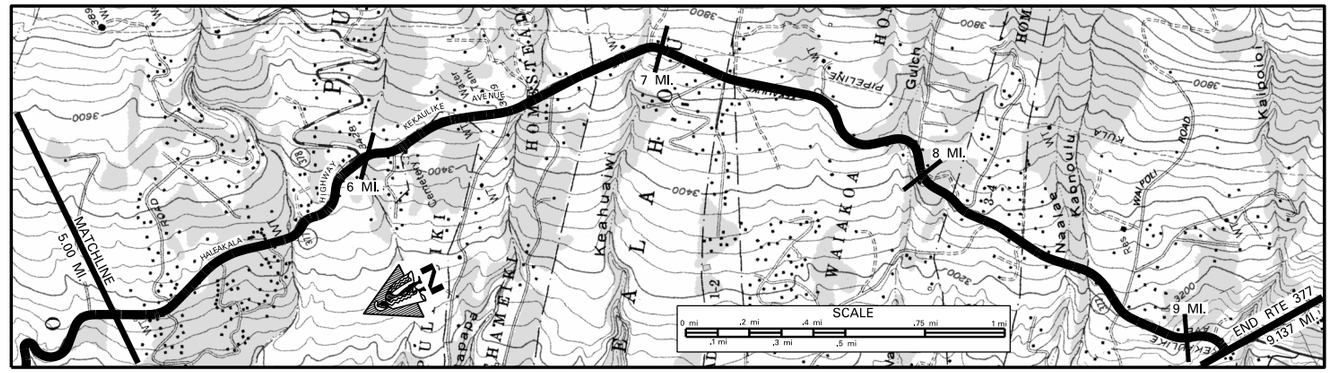
ROAD INVENTORY
MAUI RTE 377
KEKAULIKE AVE & HALEAKALA HWY

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: 9.137 miles
- a. Survey Length: 9.137 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: 0.00 miles



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description: 377A (9.13 MI) — End 377A on Kekaulike Hwy, 50' East of centerline intersection with Kula Hwy.

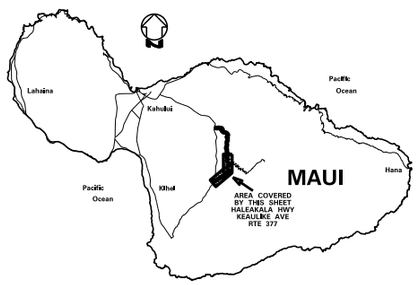
Structure Carrying Road

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	NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	STATE (1 = 30)
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 — COPP ROAD

CULVERT; UPPER KIMO DR., LOWER KIMO DR.; AINAKULA ROAD; POHAKUOKALA BR.; KULALANI DRIVE; KUALONO PLACE; CULVERT; CULVERT SPUR; HALEAKALA CRATER RD. (RTE 378); PUANANI PLACE; PULEHUKI ROAD; KAMEHAMEHA ROAD; HAPAPA BRIDGE; JOHNSON ROAD; HAPAPA ROAD; PULEHU BRIDGE; KAWAILANI PAVED ROAD; ECBU; IOIO PLACE; HOMESTEAD (L); KOLOHALA DRIVE; IHE PLACE; WAHELANI ROAD; CULVERT; TELEM. STA. 377073; CULVERT; CULVERT; WAIAKOA ROAD; 'ALAE ROAD; LOLE PL., FOSTER PL.; KAONOLU BRIDGE; NAALAE GULCH BR.; WAIPOLI ROAD

MP 6 & ECB; MP 7; MP 8; MP 9; MP 9.17

5.194 mi., 5.171 mi.; 5.259 mi.; 5.397 mi.; 5.560 mi.; 5.621 mi.; 5.700 mi.; 5.890 mi.; 6.089 mi., 6.034 mi., 6.007 mi., 5.995 mi., 5.972 mi.; 6.488 mi.; 6.627 mi., 6.580 mi., 6.567 mi., 6.551 mi.; 6.977 mi., 6.953 mi., 6.923 mi.; 7.087 mi., 7.084 mi.; 7.254 mi., 7.231 mi., 7.220 mi.; 7.481 mi., 7.461 mi., 7.410 mi.; 7.876 mi., 7.861 mi.; 7.897 mi., 7.864 mi.; 8.141 mi.; 8.387 mi., 8.379 mi.; 8.599 mi., 8.532 mi.; 8.770 mi.; 8.946 mi.; 9.123 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '14 VIDEOLOG & '14 FEATURES DATABASE.
END ROUTE 377 ON KEKAULIKE AVENUE AT THE EAST EDGE OF PAVEMENT OF KULA HIGHWAY (RTE 37)
*9.137 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided — Shoulder: Width and Type	4' AC; 4' AC / 4' – 8' GRASS; 4'AC / 10'–18' GRS; 4' AC / 4' – 8' GRASS
Undivided — Pavement: Width and Type	22' AC; 20' AC
Undivided — Shoulder: Width and Type	4' AC; 4' AC / 4' – 8' GRASS; 4'AC / 10'–18' GRS; 4' AC / 4' – 8' GRASS
Median: Width and Type	(Begin Bikelane / Shoulder combination); (End Bikelane / Shoulder combination)
Shoulder: Width and Type	
Pavement: Width and Type	
Shoulder: Width and Type	

Number of Traffic Lanes	2 – 11'; 2 – 10'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	
(Right Side)	
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	
Curb and/or Gutter: Type (Right and Left)	AC ROLLED CURBS
Protective Devices: Type, Location and Number	All Metal Rails on Metal Posts unless otherwise noted.
Illumination: Type, Location and Number	
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)	
Superelevation (Range)	
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)	
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	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 00601
HPMS Sections – AADT 2015	4,700; 1,100
HPMS Sections – AADT 2014	N/A; N/A
HPMS Sections – AADT 2013	2,700; 1,100
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; FAP–E–13A 1932; RS–0377(2) 1987 IMPROVEMENTS; FAP–E–13A 1932
	JOB #5569 1952 RESURFACE; FAP – 5B 1929, 1933; FAP – 13A 1932, 1934; BF–037–1(1) 1962

SCALE: (In Miles) 4" = 1 mile

Date Released
Oct 2004 GN

Revised	
FEB., 06	D.B.
Nov., 06	D.B.
Dec. 09	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.
Jan 16	E.P.J.
Jan 17	E.P.J.

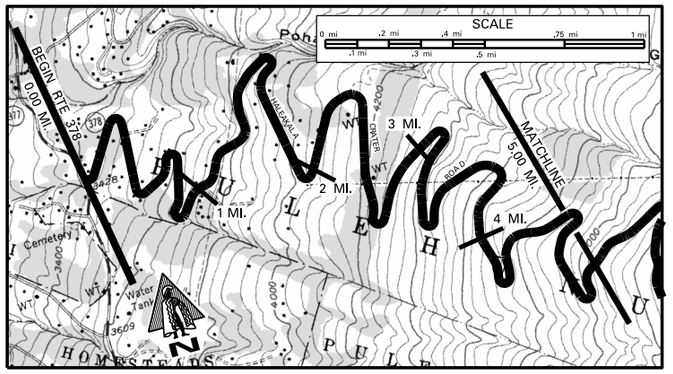
ROAD INVENTORY
MAUI RTE 378
HALEAKALA CRATER ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 10.099 miles
- a. Survey Length: 10.099 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
Structure Carrying Road: Vertical Clearance
Structure Carrying Road: Horizontal Clearance
Structure Over Road: Vertical Clearance
Structure Over Road: Horizontal Clearance

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

Available Right of Way Width (Needs Study): TREES AND BUSHES W/ SLIGHT CUT SLOPES; OPEN PASTURE 1000' ACROSS

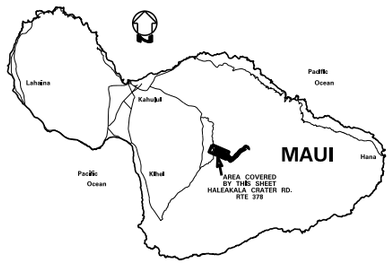
Right of Way Fence: Type – Right and Left (W. F. = WIRE FENCE): W. F.; W. F.; 1.49 1.54 WOOD FENCE; W. F.; W. F.; W. F.

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): (338 + 21.40) (448 + 00) STATE

Project No., Type of Construction, and Year Constructed (STP–0377(005), 2012 PREVENTIVE MAINT.): 0.04 STP–0378(003), 2012, PREVENTIVE MAINTENANCE 2.12

Project No., Type of Construction, and Year Constructed (378A–01–92M 1993, RESURFACE): 0.02 (537 + 41.87) 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; PALENA PLACE; 3500' ELEV. Sign PONI MOI PLACE; CULVERT; CULVERT; 4000' ELEV. Sign; CULVERT; CULVERT; CULVERT; CATTLE GUARD; CULVERT; CULVERT; CULVERT

HALEAKALA CRATER ROAD

0 MP; 1 MP; 1.5 MP(L); 2 MP; 3 MP; 4 MP; 5 MP

0.095 mi.; 0.229 mi.; 0.317 mi.; 0.324 mi.; 0.310 mi.; 1.059 mi.; 1.202 mi.; 1.237 mi.; 1.603 mi.; 1.785 mi.; 2.045 mi.; 2.110 mi.; 2.433 mi.; 2.524 mi.; 2.801 mi.; 2.863 mi.; 2.929 mi.; 2.967 mi.; 4.030 mi.; 4.229 mi.; 4.419 mi.; 4.943 mi.; 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; 24' AC (12' AC SHLR, & BIKE PULL OUT)
- Shoulder: Width and Type: 2'–4' AC; 4' – 6' GRASS; 2' AC; 2' AC (12' AC SHLR, & BIKE PULL OUT)

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'

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 Metal Rails on Metal Posts unless otherwise noted.)

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 2015: 1,700

HPMS Sections – AADT 2014: 0.09 N/A

HPMS Sections – AADT 2013: 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
- 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); FAP 5B (Group B) 1933; 2.77; 3.72 3.75 RS–0378(1) 1981 RESURFACE; 378A–03–68 1968 RESURFACE

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.
Dec. 13	E.P.J.
July 14	D.B.
Jan 16	E.P.J.
Jan 17	E.P.J.

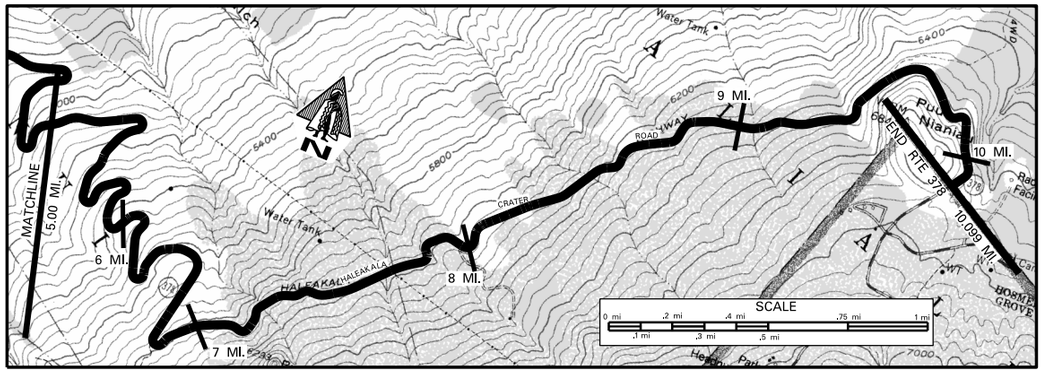
ROAD INVENTORY
MAUI RTE 378
HALEAKALA CRATER ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

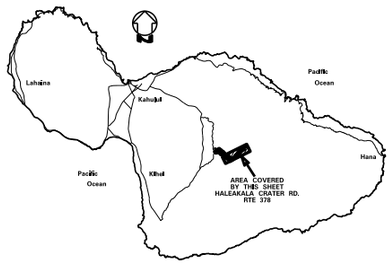
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 10.099 miles
- a. Survey Length: 10.099 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	378A (10.15 MI) — END 378A – SAME AS END ROUTE 378
Structure Carrying Road: Bridges (Over 20'): Length, Type, Capacity and Year Constructed	PRESTRESSED BEAM 1934 (1970) H15 — 97' — 56'
Structure Carrying Road: Vertical Clearance	
Structure Carrying Road: Horizontal Clearance	27' — 27'
Structure Over Road: Vertical Clearance	
Structure Over Road: Horizontal Clearance	
Right of Way Width (min.–max.) if varies	80'
Available Right of Way Width (Needs Study)	OPEN PASTURE 1000' ACROSS
Right of Way Fence: Type – Right and Left	N O N E
Control of Access: 1–None, 2–Partial, 3–Full	N O N E
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	S T A T E — @ END PROJECT (877 + 00)
Project No., Type of Construction, and Year Constructed	378A–01–04M, RESURFACE, 2006 — (378A–01–92M, 1993, RESURFACE)
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.

Milepost	Feature
5.046 mi.	CULVERT
5.126 mi.	CULVERT
5.191 mi.	CULVERT
5.324 mi.	CULVERT
5.916 mi.	HALEAKALA
6.199 mi.	CULVERT
6.625 mi.	CULVERT
6.868 mi.	CULVERT
6.920 mi.	CULVERT
7.252 mi.	LOOKOUT CULVERT
7.262 mi.	CULVERT
7.434 mi.	CULVERT
7.654 mi.	POHAKUOKALA BRIDGE
7.894 mi.	CRATER
8.236 mi.	CATTLE GUARD CULVERT
8.196 mi.	CULVERT
8.447 mi.	WAIALE BRIDGE
8.876 mi.	ROAD
9.193 mi.	CULVERT
9.286 mi.	CATTLE GUARD
9.406 mi.	6500' ELEVATION SIGN
9.815 mi.	CULVERT
9.882 mi.	CULVERT
9.981 mi.	CULVERT @ CENTERLINE CATTLEGUARD
10.054 mi.	CULVERT
10.099 mi.	CATTLE GUARD

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '14 VIDELOG & '14 FEATURES DATABASE.
END RTE 378 ON HALEAKALA CRATER RD AT THE NAT'L PARK BDRY @ THE CATTLE GUARD NEAR THE "END STATE HWY SIGN".
*10.099 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided: Shoulder: Width and Type	2' AC
Divided Highway – Undivided: Pavement: Width and Type	24' AC (12' AC SHLDR & BIKE PULL OUT) — 22' AC
Divided Highway – Undivided: Shoulder: Width and Type	2' AC
Divided Highway: Median: Width and Type	
Divided Highway: Shoulder: Width and Type	
Divided Highway: Pavement: Width and Type	
Divided Highway: Shoulder: Width and Type	
Number of Traffic Lanes	2 – 12' — 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 Metal Rails on Metal Posts unless otherwise noted.	
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)	
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 2015	1,700
HPMS Sections – AADT 2014	N/A
HPMS Sections – AADT 2013	1,500 — 1,737
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 — (377A–01–70 1971 Bridge Widening) — RS–0378(1) 1981 RESURFACE
	378A–03–68 1968 RESURFACE — 378A–04–69 1969
	FAP 5B (Group B) 1933

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.
Dec. 13	E.P.J.
July 14	D.B.
Jan 16	E.P.J.
Jan 17	E.P.J.

ROAD INVENTORY

MAUI RTE 380
DAIRY ROAD, KUIHELANI HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

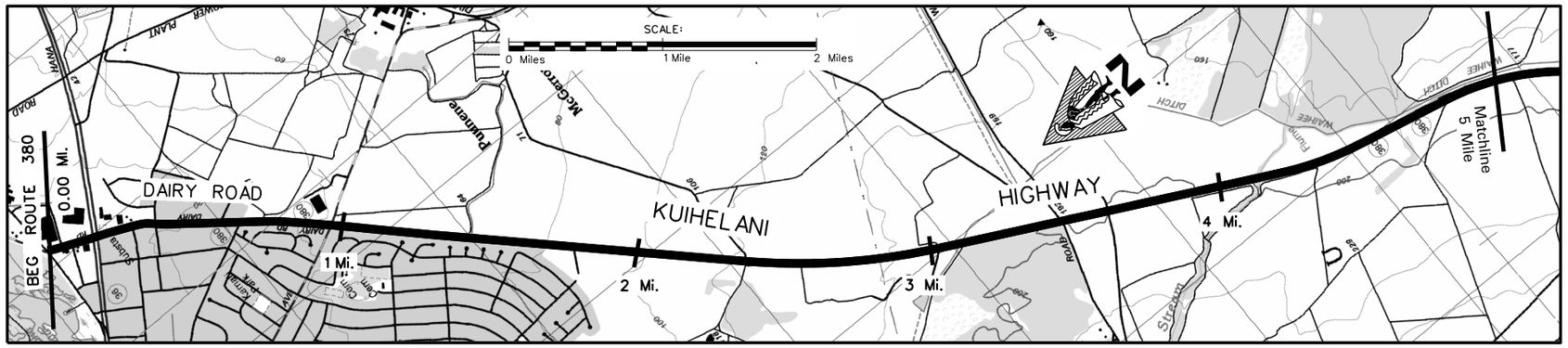
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length: 6.171 MILES (a+b)
- a. Existing Length: 6.171 MILES
- b. Proposed Length: 0.00 MILES

Total Travel Way Length: 6.171 MILES (a+b, less c)
- a. Existing Length: 6.171 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 380 ? | 0.96 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; 25', Precast Conc Plank, HL–93, 2003; 61', Tee Beam, HS–20, 1970; 60', Precast Prestressed Conc Beam, HL–93, 2003; 77', Culvert, HS–20, 1970; 78', 3 Span Culvert, HL–93, 2003
- Vertical Clearance: 3.12
- Horizontal Clearance: 44' 36' 3.11; 44' 36' 4.12; 44' 36' 4.37
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: 150' – 210'

Available Right of Way Width (Needs Study): COMMERCIAL 0.05 | RANCHLAND / SUGAR CANE 2.99 | FARMS–BUSHES–TREES 3.45 | CLEAR 1000' – SUGAR CANE 30' FROM PAVEMENT

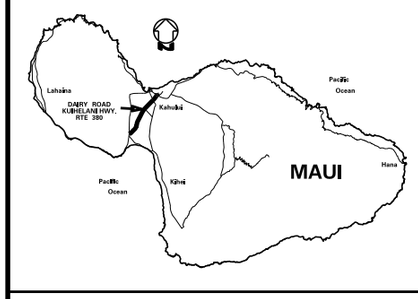
Right of Way Fence: Type – Right and Left: 3.75 WOOD/CONC. | METAL ON WOOD 4.10

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: 276 + 80 | 276 + 80 | 276 + 80 | 0.37 | 0.38 | 0.38 | NH–0380(013), RESURFACE, 2016

Project No., Type of Construction, and Year Constructed: 380A–01–89M (R) 1990 | 0.78 | 0.38 | NH–0380(9), (Widening) 2003 | NH–0900(080), PREVENTIVE MAINTENANCE, 2014



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).

Route Continued on Sheet #2 5.00 mi.

Kele St. | Hana Hwy (Rte 36) | Alamaha St. | Ohekani St. (Mall Ent./Exit) | Maui Marketplace Dr. | Mall Entrance/Exit (R) | Mall Entrance/Exit (L) | Hobron St. & Dairy Rd. | Pakauila St. (L) | Puunene Ave. | Parking Exit & Entr. | Parking Exit & Entr. | Cane Haul Rd. | Telem. Sta. 380015 | Cane Haul Rd. | Private Access | Median Crossover | Median Crossover | Wahee Ditch Br. Paved Road | Wakko Road | Tractor Crossing & Cane Haul Rd. | Wakapu Stream Br. | Kuihelani 3 Span Culvert Cane Haul Rds. | Cane Haul Rd.

DAIRY ROAD | KUIHELANI HIGHWAY | Maui Lani Parkway

1 MP | 1.67 mi. 2 MP | 2.50 MP | 2.758 mi. 3 MP | 2.751 mi. 3 MP | 3.50 MP | 3.681 mi. 4 MP | 4.21 mi. 4.50 MP | 5 MP

0.084 mi. | 0.168 mi. | 0.302 mi. | 0.377 mi. | 0.483 mi. | 0.572 mi. | 0.590 mi. | 0.655 mi. | 0.733 mi. | 0.957 mi. | 0.973 mi. | 1.056 mi. | 1.142 mi. | 1.251 mi. | 1.449 mi. | 1.523 mi. | 1.801 mi. | 2.21 mi. | 2.377 mi. | 2.900 mi. | 3.033 mi. | 3.066 mi. | 3.110 mi. | 3.21 mi. | 3.463 mi. | 3.620 mi. | 4.125 mi. | 4.340 mi. | 4.379 mi. | 4.755 mi. | 4.882 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided
- Shoulder: Width and Type: 0 | 4'–6' AC | 10' AC | Milled Edgeline Rumble Strip | 10'–25' AC | 10' AC
- Pavement: Width and Type: 40' AC | 50' AC | 40' AC | 50' AC | 22' AC | 24' AC
- Shoulder: Width and Type: 0 | 4'–6' AC | 0 | 10' AC | 0 | 4' AC | 10' AC

Median
- Median: Width and Type: 10' 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
- 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 | 1–12' TL

(Right Side) (All 10' Turning Lanes): (2–10' L TLs) | 1–12' 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.

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

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

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

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) | 55 MPH (2) | (45 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 00167

HPMS Sections – AADT 2015: 24,500 | 17,774

HPMS Sections – AADT 2014: N/A | N/A

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

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(11), PREV. MAINT., 2009; NH–0380(9), (Widening) 2003; 380A–01–89M (R) 1990; 380A–01–89M (R), 2000; 380A–01–89M (R), 1990; (FAP 50 1931) 0.03 | 0.18 | 3800A–01–81M 1981 (Resurf.) 0.75 | 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 04	DB
Sept 05	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
Jan 16	DB
Jan 17	DB

ROAD INVENTORY
MAUI RTE 380
KUIHELANI HIGHWAY

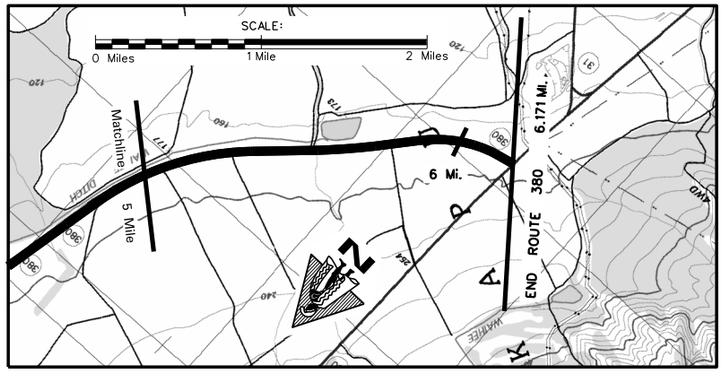
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

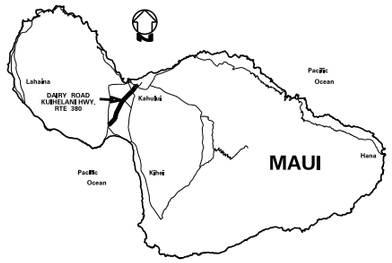
Total Designated Route Length:	6.171	MILES (a+b)
a. Existing Length:	6.171	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	6.171	MILES (a+b, less c)
a. Existing Length:	6.171	MILES
b. Temporary Length:	0.00	MILES
c. Length used as T.W. for another Route:	0.00	MILES (–)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



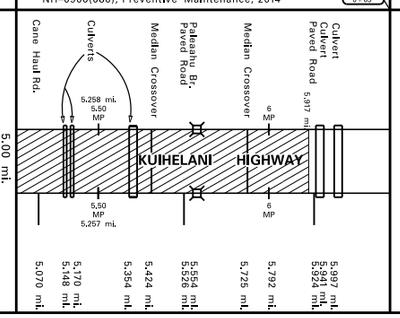
SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description	? 380 A (6.17 mi.) — END 380-A ON KUIHELANI HWY, 58' EAST OF THE EAST E/P, ON HONOAPIILANI HWY.
Structure Carrying Road: Bridges (Over 20'): Length, Type, Capacity and Year Constructed	37' SLAB 1970 HS-20; 47' PRECAST, PRESTRESSED CONC. BEAM, HL-93, 2003
Structure Carrying Road: Vertical Clearance	
Structure Carrying Road: Horizontal Clearance	56' 44'; 36'
Structure Over Road: Vertical Clearance	
Structure Over Road: 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 6+00
Project No., Type of Construction, and Year Constructed	NH-0380(013), Resurface, 2016 6.09
Project No., Type of Construction, and Year Constructed	NH-0900(080), Preventive Maintenance, 2014 0+65



Indicates Grass & / or Physical Barrier on Median.

Road Diagram



*NOTE: ROUTE LENGTH ADJUSTED TO MATCH '14 VIDEOLOG & '14 FEATURES DATABASE.
End Rte 380 on Kuihelani Hwy at the East edge of pavement of Honoapiilani Highway (Rte 30).
*6.171 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway, Undivided: Shoulder: Width and Type	10' AC; Milled Edgeline Rumble Strip; 0.5'
Divided Highway, Undivided: Pavement: Width and Type	24' AC; 12' AC; 0.5' AC
Divided Highway, Undivided: Shoulder: Width and Type	10' AC; 0
Divided Highway: Median: Width and Type	18' Grass; 10'–18' AC; 10' Painted AC; .307; .407
Divided Highway: Shoulder: Width and Type	4' AC; 0.5' AC; 0.5' AC
Divided Highway: Pavement: Width and Type	24' AC; 12' AC; 36' AC; (38' AC); (44' AC)
Divided Highway: Shoulder: Width and Type	10' AC; .14'
Number of Traffic Lanes	4 – 12'; 2=12'; 2=12'; (2=14'); (1=14')
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	.492; .383; .424; .788; .685; .725; .38'; (1– 12'–14' (R))
(Right Side)	.076; (1– 12'–16' (R))
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	
Curb and/or Gutter: Type (Right and Left)	.096; .145; .263; .352; .421; .572; .672; .722; .822; .872; .896
Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless otherwise noted.	.005; .118; .190; .247; .298; .341; .360; .550; .579; .705; .740
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; .72; 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; .609; B
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	Small Urban (99998)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Flat (1); .700; .886
Speed: 1–Design, 2–Posted	55 MPH (2); 45 MPH (2); Not Posted; 35 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	.886; 3 Phase Traffic Signal
Traffic Stations (Current Year)	B74 0380 00167
HPMS Sections – AADT 2015	17,774
HPMS Sections – AADT 2014	N/A
HPMS Sections – AADT 2013	17,366; 6.171
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(11), Prevent. Maint., 2009 6.01
	NH-0380(9) (Widening) 2003 6.02 — (BR-NH-030-1(24) (Widening) 2002)
	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.
Jan 16	D.B.
Jan 17	D.B.

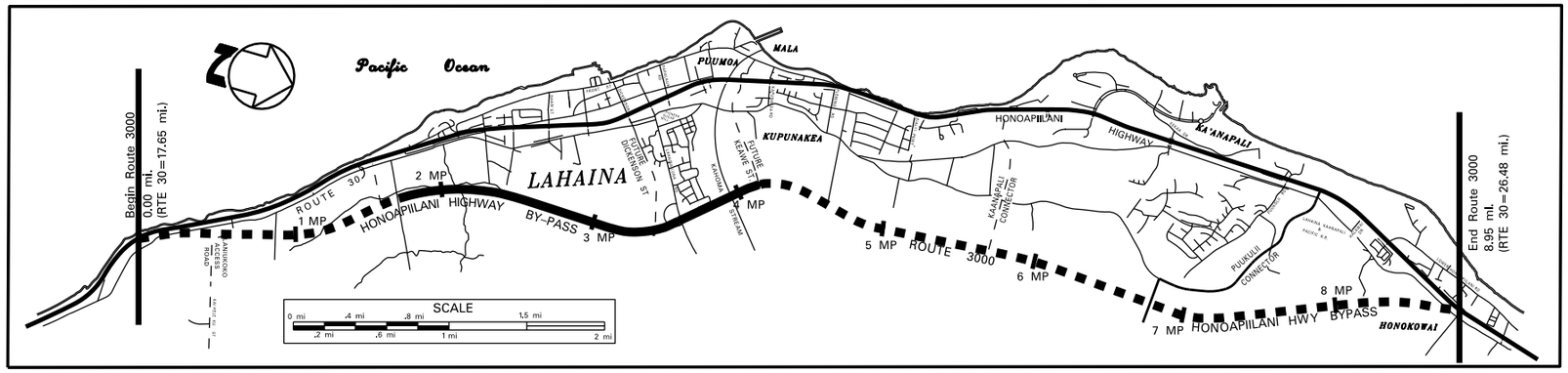
ROAD INVENTORY
MAUI RTE 3000
HONOAPIILANI HIGHWAY BYPASS

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

4-CELL BOX | 3-CELL BOX | 400' | 400' | 600' | 400' | 400' | 800'

Vertical Clearance

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study)

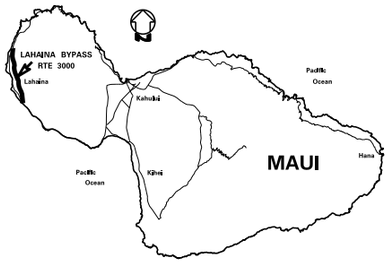
Right of Way Fence: Type – Right and Left

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): (STP-030-1(22), Demolition of Ikena Ave)

Project No., Type of Construction, and Year Constructed: NH-030-1(38), REALIGNMENT 1B1, 2013 | (NH-030-1(35), REALIGNMENT 1A, 2013)

Project No., Type of Construction, and Year Constructed



CULVERT GRATES (–) RUN MILEAGES 3.335, 3.205, 2.812, 2.564, 2.516, 2.448, 2.460, 1.906

Road Diagram

* MP = MIlepost SIgnage

CULVERT GRATES (+) RUN MILEAGES 1.848, 1.876, 1.904, 2.072, 2.412, 2.458, 2.486, 2.514, 2.562, 2.810, 2.858, 3.265, 3.473, 3.483, 3.493, 3.531, 3.579, 3.615, 3.655

BEGIN ROUTE 3000 ON HONOAPIILANI HWY BY-PASS AT NORTH EDGE PAVEMENT OF CONNECTION WITH HONOAPIILANI HWY (RTE 30). 0.00 MI.

CULVERT 0.75 MI. | CULVERT 0.96 MI. | HOKOKO PL. & BEG DIV. 1.798 MI. | END DIV. RAMP 1.851 MI. | HOKOKO RAMP 1.875 MI. | KAUAULA STREAM BR. 2.036 MI. | 2 MP (R) | 2.50 MP (R) 2.470 MI. | 3 MP (R) 2.971 MI. | BEG. DIV. 3.203 MI. | 3.501 MI. 3.50 MP | LAHAINALUNA RD OP RAMP 3.373 MI. | 3.50 MP 3.502 MI. | END DIV. 3.460 MI. | RAMP KAHOMA STREAM BR 3.608 MI. | 3.759 MI. 3.740 MI. | KEAWA ST. EXT 4.12 MI. | HONOAPIILANI HIGHWAY BY-PASS | WAHKULI CONNECTOR (CIVIC CENTER) 4.96 MI. | KAANAPALI CONNECTOR 5.52 MI. | HAHAKEA GULCH BR 5.73 MI. | WAHKULI GULCH BR 5.88 MI. | PUUKOLII CONNECTOR 6.75 MI. | HANAKAOO GULCH BR 7.48 MI. | HONOKOWAI STR BR 8.01 MI. | HONOAPIILANI CONN. 8.58 MI.

EQUATION BASED ON KAHOMA BRIDGE @3.740 MI. 2014 VIDEOLOG + 1.798 MI.
END ROUTE 3000 ON HONOAPIILANI HWY BYPASS AT SOUTH EDGE OF PAVEMENT OF CONNECTION WITH HONOAPIILANI HWY (RTE 30). 8.95 MI.

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type: 10' AC | 10' PCC 2.55 | 6' PCC 3.07 | 10' PCC 3.107 | 10' AC .305 | 10' PCC

Pavement: Width and Type: 12' AC | 24' PCC | 12' AC | 12' PCC | 24' PCC 4.12

Shoulder: Width and Type: 0 | 10' PCC 2.55 | 6' PCC 3.07 | 10' PCC 3.107 | 0 | 6' PCC

Median: Width and Type

Median Barriers: (0'-12' PAINTED AC) .798 .915 | (0'-35' PAINTED PCC) .203 | 35' GRASS .244 .554 .698 | (0'-35' PAINTED PCC)

Shoulder: Width and Type: 0 | 0

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

Shoulder: Width and Type: 10' AC | 10' PCC

Number of Traffic Lanes: 2-12' | .247 .372 .475 | 4.12

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

(Right Side): AUX .544 .904 .183 .298 .373 .436

Frontage Road: No. of Lanes, and Width (Right and Left): .823 .798

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left): 1.84 | 6' CONC. SWALE | 3.31

Protective Devices: Type, Location and Number: 1.80 | M/M 2.54 | M/M 2.73 2.82 | M/M 3.15 3.22

Illumination: Type, Location and Number: 1-250W, HPS 1.85

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) | 4.19 | RURAL (99999)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: 1.80 | 3.35

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

Intersection Control Devices: Type, Location and Cycle Timing: 3 PHASE 1.80 1.90 1.95

Traffic Station: B74 3000 00180

HPMS Section – AADT 2015: 4,590

HPMS Section – AADT 2014: 3.46 N/A

HPMS Section – AADT

DOD Sections

Census Tracts

Functional Classification: PRINCIPLE ARTERIAL (3)

National Highway System (NHS): ON NHS – PARTLY BUILT

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.
Jan. 16	D.B.
Jan. 17	D.B.

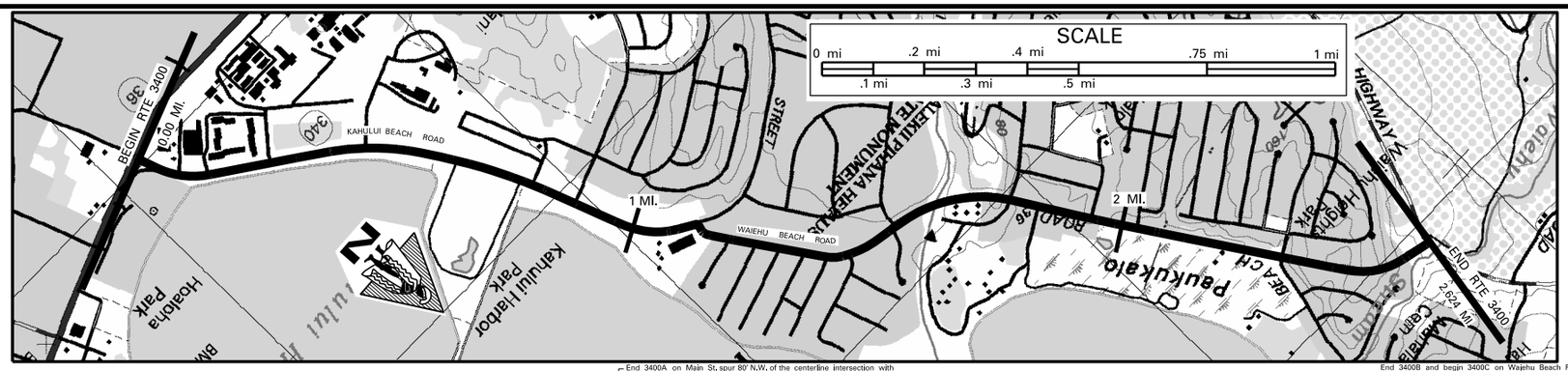
ROAD INVENTORY
MAUI RTE 3400
KAHULUI BEACH ROAD AND WAIEHU BEACH ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 2.624 miles
- a. Survey Length: 2.624 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: 0.00 miles



End 3400A on Main St. spur 80' N.W. of the centerline intersection with Waiehu Beach Rd. and Kahului Beach Rd.. End 3400A and begin 3400B on Waiehu beach Rd. 100' N. of centerline intersection with Kahului Beach Rd.

End 3400B and begin 3400C on Waiehu Beach Rd. 50' East of centerline intersection of Waiehu Beach Rd. and Kaheki Hwy. Also begin 3400C on Kaheki Hwy – see Route 340.

SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

Begin 3400A on Kahului Beach Road 220' N. of centerline intersection w/Kaahumanu Ave. — 3400A (1.11 MI) / SPUR 3400A (0.02 MI) — 3400B (1.46 MI) — 3400C (0.01 MI)

Structure Carrying Road
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: TEE BEAM 1953 H20
- Vertical Clearance: 182'
- Horizontal Clearance: 28'

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

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

Available Right of Way Width (Needs Study): COMMERCIAL / RESIDENTIAL / BRUSH / SAND

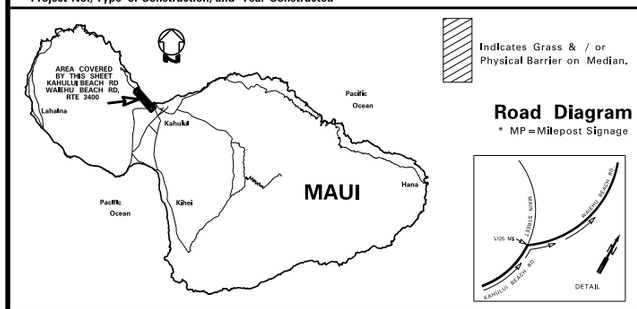
Right of Way Fence: Type – Right and Left: NONE

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): 3400AB–02–90 1992 IMPROVEMENTS

Project No., Type of Construction, and Year Constructed: 3400A–01–07M, RESURFACING, 2009; HWY–M–05–04, IMPR, 2006; BR–STP–3400(5) BR. REHAB., 2015

Project No., Type of Construction, and Year Constructed: 3400A-02-91 IMPROVEMENTS 1995; 3400A–02–91 IMPROVEMENTS 1995; 3400B–01–10M, RESURFACE, 2011



BEGIN ROUTE 3400 ON KAHULUI BEACH ROAD ON THE NORTHEAST EDGE OF PAVEMENT OF KAAHUMANU AVE (RTE 32) 0.00 MI.

DRIVEWAY RAMP — KAHEE PLACE — WAHINEPIO AVE — SMALL BOAT HARBOR ROAD — KANALOA AVE. — NISEI MEMORIAL CENTER ACCESS — MAIN ST. & END DIV. — EUGENE ST. — LINEKONA PLACE — END DIVIDED — KAINALU PL. & BEG. DIV. — KAKOO STREET — KAILANA PLACE — BEGIN DIVIDED — UKALI ST. — EHA ST. — END DIVIDED — IAO BRIDGE — END DIVIDED — BEGIN DIVIDED — KUHIO PL.(L) — KAAE RD.(R) — END DIVIDED — KUKONA PL. — BEGIN DIVIDED — KEALI'I DR. — END DIVIDED — MAKAALA DR. — BEGIN DIVIDED — WAILUPE DR. — END DIVIDED — WAILUKU URBAN BOUNDARY

KAHULUI BEACH ROAD — WAIEHU BEACH ROAD

END ROUTE 3400 ON WAIEHU BEACH ROAD AT THE CENTERLINE JUNCTION WITH KAHEKILI HIGHWAY ALONG THE WAILUKU URBAN BOUNDARY. *2.624 MI.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '14 VIDEOLOG & '15 FEATURES DATABASE.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided
- Shoulder: Width and Type: 4' AC / 6' AC / 11' AC / 4' – 6' AC / 6' AC / 10' AC / 6' AC / 10' AC / 6' AC
- Pavement: Width and Type: 12' AC / 36' AC / 24' AC / 36' AC / 24' AC / 12' AC / 24' AC / 12' AC / 24' AC / 12' AC / (24' AC) / 35' AC / 12' AC / 24' AC / 12' AC / 24' AC
- Shoulder: Width and Type: 0' / 12' GRASS / 2' AC / 0' / 2' AC / 0' / 11' AC / 0' / 4' – 6' AC / 0' / 4' – 6' AC / 6' AC / 0' / 6' / 0' / 6' AC / 0' / 10' AC / 6' AC

Divided Highway — Median
- Median: Width and Type: 6'–24' GRASS W/CURB / 0'–12' PAINT / 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'
- Pavement: Width and Type: 12' AC / 24' 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: 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): 5' CONC.

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

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

Illumination: Type, Location and Number: MV / 1 MV / CB / MV

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: 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)

Intersection Control Devices: Type, Location and Cycle Timing: 3 PHASE (SIGN MISSING) / 3 PHASE

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

HPMS Sections – AADT 2015: 34,900 / 10,099 / 6,700

HPMS Sections – AADT 2014: N/A / N/A / N/A

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

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4)

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

Previous Projects: Project No., Date and Limits:
- 3400A–01–97 1998
- 3400B–02–98 2 WAY (L) TLS
- 3400B–01–97M 1998 RESURFACE (ALSO ROUTE 340)
- 3400A–02–91 1995 IMPROVEMENTS
- 3400AB–02–90 1992 IMPROVEMENTS
- 3400A–01–88M 1988 RESURFACE
- COUNTY S–247(1) 1952, 1953
- S–0340 (1) 1955, 1956
- S–0341(3) 1966, 1967

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.
Jan 16	D.B.
Jan 17	D.B.

ROAD INVENTORY
MAUI RTE 3500
PUUNENE AVENUE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

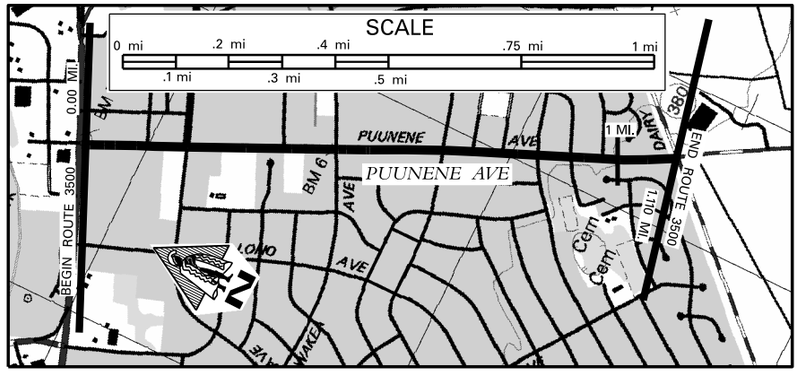
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 1.110 miles

a. **Survey Length:** 1.110 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 3500A on Puunene Avenue 89' S. of centerline with Kaahumanu Avenue. (0.00)

End 3500A on Puunene Avenue 10' from the S.E. edge of pavement of Kuihelani Hwy. (1.110)

Structure Carrying Road

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

Structure Over Road

- Vertical Clearance
- Horizontal Clearance

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

Available Right of Way Width (Needs Study): RESIDENTIAL / COMMERCIAL (1.00)

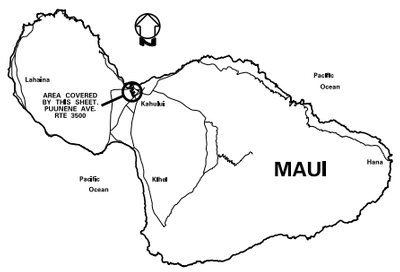
Right of Way Fence: Type – Right and Left: CHAINLINK (0.04–0.43); CHAINLINK (0.86–1.00); TILE (0.86–0.92); CHAINLINK (0.92–0.95)

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 (0.00–0.47); HES–STP–3500(3) 1996 IMPROVEMENT (0.47–0.78); STP–3500(5) 1996 RESURFACE (0.78–1.09)



Road Diagram

* MP = Milepost Signage

Indicates Grass & / or Physical Barrier on Median.

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

BEGIN DIVIDED — 0.100 mi.
END DIVIDED — 0.140 mi.
KAMEHAMEHA AVE. — 0.190 mi.
HOLOLEA ST. — 0.374 mi.
WAKEA AVE. — 0.471 mi.
E. KAUAI ST. / W. KAUAI ST. — 0.673 mi.
KUULA ST. — 0.730 mi.
AIAI ST. — 0.784 mi.
PAPA AVE. — 0.851 mi.
E. HAWAII ST. / W. HAWAII ST. — 0.915 mi.
BEGIN DIVIDED PUUKANI ST. — 0.973 mi.
1 MP — 0.979 mi.
1 MP — (R) 1.058 mi. (L) 1.054 mi.
DAIRY ROAD (+ NEAR EDGE OF PAV'T) — *1.110 MI.

PUUNENE AVENUE

KUHELANI HWY.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '14 VIDEOLOG & '15 FEATURES DATABASE.

END ROUTE 3500 ON PUUNENE AVENUE AT THE NORTHWEST EDGE OF PAVEMENT WITH DAIRY ROAD AND KUIHELANI HIGHWAY (ROUTE 380)

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

- Shoulder: Width and Type: (44' AC) 2' AC (0.04–0.45); 4' AC (0.522–0.591); 4' – 6' AC (0.784–1.09)
- Pavement: Width and Type: (33' AC) 2'–4' AC; 22' AC (0.04–0.09); 44' AC (0.09–0.288); 55' AC (0.288–0.291); 44' AC (0.291–0.471); 33' AC (0.471–0.522); 44' AC (0.522–0.591); 33' AC (0.591–0.673); 22' AC (0.673–0.690); 34' AC (0.690–0.730); 34' AC (0.730–0.776); 24' AC (0.776–0.825); 24' AC (0.825–0.979); 12' AC (0.979–1.09); 24' AC (1.09–1.11)
- Shoulder: Width and Type: 0'; 2' AC; 4' – 6' AC; 0'

Divided Highway — Divided

- Median: Width and Type: (0' – 10' PAINT) (0.100–0.140); (24' AC) (0.730–0.979); 0'–30' TREES AND GUARDRAILS (L & R)
- Shoulder: Width and Type: 0'; 0'
- Pavement: Width and Type: 22' AC (0.100–0.140); 22' AC (0.979–1.09)
- Shoulder: Width and Type: 2' AC (0.100–0.140); 4' – 6' AC (0.979–1.09)

Number of Traffic Lanes: 4 – 11' (0.04–0.471); 2 – 11' (0.471–0.673); 2 – 12' (0.673–0.979); 1–12' (0.979–1.04); 2–12' (1.04–1.09)

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 1–11' (0.04–0.471); 2–11' (0.471–0.673); 1–11' (0.673–0.979); 2–11' (0.979–1.09)

(Right Side): 1–11' (0.04–0.471); 2–11' (0.471–0.673); 1–11' (0.673–0.979); 2–11' (0.979–1.09)

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

Sidewalk: Width and Type (Right and Left): 6'–8' CONC. S/W (0.04–0.09); 6'–10' CONC. S/W (0.09–0.288); 6' CONC. S/W (0.288–0.471); 4' BITUMINOUS S/W (0.471–1.09); 4' AC S/W (0.288–0.471); 4' BITUMINOUS S/W (0.471–1.09)

Curb and/or Gutter: Type (Right and Left): CONC. CURB (0.04–0.09); CONC. CURB (0.09–0.288); CONC. CURB (0.288–0.471); B.P. CURB (0.471–1.09)

Protective Devices: Type, Location and Number All Metal Rails on Metal Posts unless otherwise noted. (0.17–0.25; 0.984)

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 (0.04–0.09); B (0.09–0.11); A (0.11–1.09)

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 (0.04–0.56); B (0.56–1.09)

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: 4 PHASE TRAFFIC LIGHT (0.190–0.471); 3 PHASE (0.981–1.09)

Traffic Stations (Current Year): B74 3500 00000 (0.04–0.471); B74 3500 00038 (0.471–1.09)

HPMS Sections – AADT 2015: 17,000 (0.04–0.38); 28,800 (0.38–1.09)

HPMS Sections – AADT 2014: N/A (0.190–0.471); N/A (0.471–1.09)

HPMS Sections – AADT 2013: 15,022 (0.190–0.471); 26,500 (0.471–1.09)

DOD Sections: DOD 680 (0.471–1.09)

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 (1.09–1.11)
- HES 3500(4) 1994 (0.09–0.28)
- 380A–01–72 1976 RESURFACE (0.00–0.25); M – 3500 1981 (0.25–0.09)

SCALE: (In Miles) 4" = 1 mile

Date Released	
Oct 2004	GN
Revised	
FEB., 06	D.B.
Nov., 06	D.B.
Dec. 09	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 12	E.P.J.
July 14	D.B.
Jan 16	D.B.
Jan 17	D.B.

ROAD INVENTORY

MAUI RTE 3800
PROPOSED AIRPORT EXTENSION

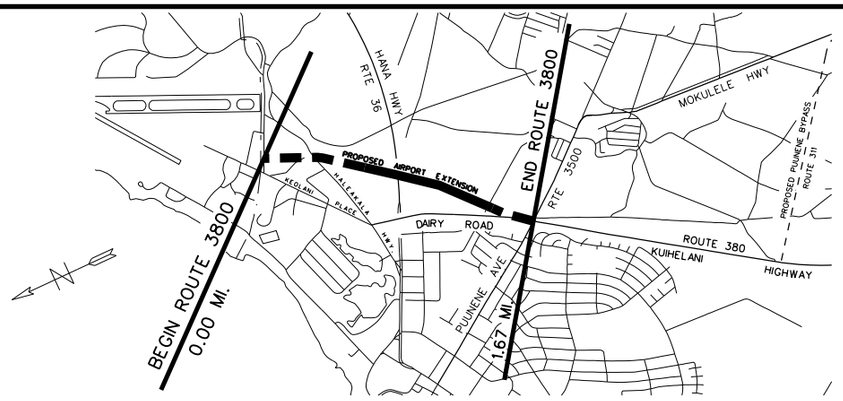
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length:	1.67	MILES (a+b)
a. Existing Length:	0.85	MILES
b. Proposed Length:	0.82	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 (–)

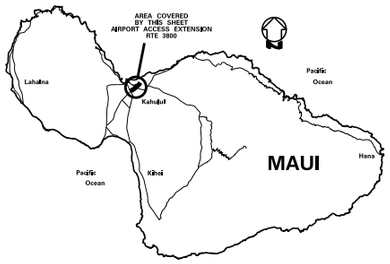
NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



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		



Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP = Milepost Signage

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

Begin route — Hana Hwy — End Route

Proposed Airport Extension

ACCESS ROAD

0.56 mi. — 0.79 mi. — 1.41 mi.

End Proposed Rte 3800 at the Center-Line Intersection of Kuihelani Hwy and Puunene Ave (Rte 3500) 1.67 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided	Shoulder: Width and Type	8' PCC
	Pavement: Width and Type	24' PCC; 48' PCC
	Shoulder: Width and Type	0–4' PCC; 6' PCC; 6' PCC
	Median: Width and Type	0.56; 20' GRASS; 0.69; 4–20' PCC; 0.82; 16' RAISED GRASS; 1.28; 1.41
	Shoulder: Width and Type	0–4' PCC; 6' PCC
	Pavement: Width and Type	24' PCC
	Shoulder: Width and Type	8' PCC
Number of Traffic Lanes		0.79; 0.88; 4–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)		0.69; 0.94; 1.28; 1.41
(Right Side)		0.56; 0.69
Frontage Road: No. of Lanes, and Width (Right and Left)		
Sidewalk: Width and Type (Right and Left)		
Curb and/or Gutter: Type (Right and Left)		4–6' PCC; 6' PCC; 4' PCC
Protective Devices: Type, Location and Number		
Illumination: Type, Location and Number		
Curves: Degree of Curvature (Right and Left)		
Superelevation (Range)		
Grades: % Grade, Positive or Negative		
Vertical Curve: Crest or Sag, Curve Limits		
Area and Development:		Small Urban (99998)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous		
Speed: 1–Design, 2–Posted		45 (2)
Intersection Control Devices: Type, Location and Cycle Timing		.79; 0.94
Traffic Station		B74 3800 00084
HPMS Sections – AADT 2015		20,906
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.
Jan. 16	E.P.J.
Jan. 17	E.P.J.

ROAD INVENTORY

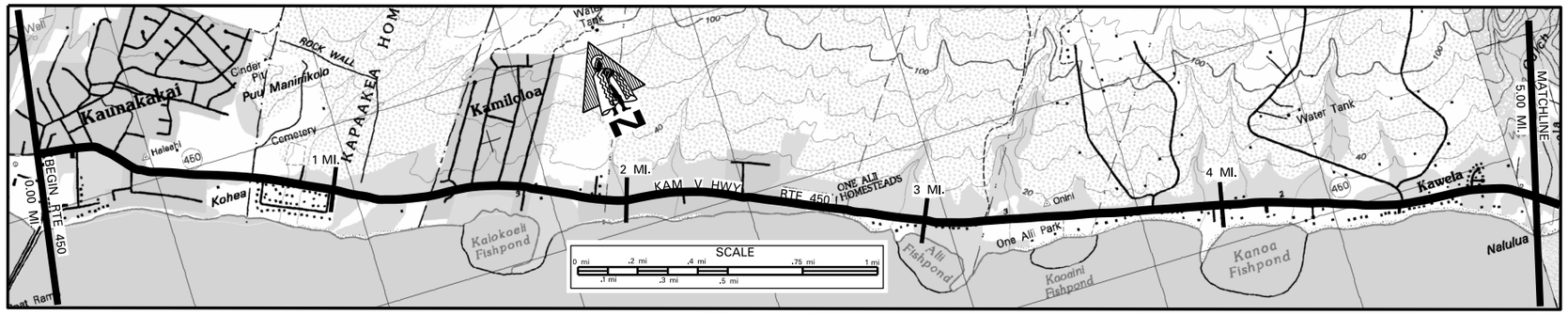
MOLOKAI RTE 450
KAMEHAMEHA V HIGHWAY

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: 27.499 miles
- **a. Survey Length:** 27.499 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)

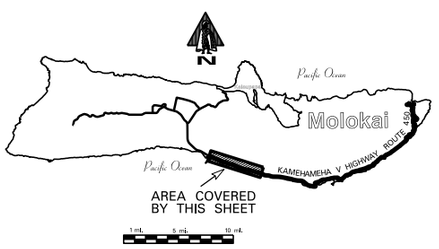
Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed	SLAB 1940 H15 25' (0.02–2.61); SLAB 1940 H20 23' (2.61–5.00)
Vertical Clearance	
Horizontal Clearance	26' (0.02–2.61); 26' (2.61–5.00)

Structure Over Road

Vertical Clearance	
Horizontal Clearance	

Right of Way Width (min.–max.) if varies	60' – 80' (0.02–1.00); 80' (1.00–5.00)
Available Right of Way Width (Needs Study)	RESIDENTIAL AREA (0.02–3.46); TREES AND BUSHES (FEW HOMES) (3.46–5.00)
Right of Way Fence: Type – Right and Left	WIRE ON WOOD 15' FROM PAVEMENT (2.36–3.46); WIRE ON WOOD 15' FROM PAVEMENT (3.46–5.00)
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+00 – 95+00; 205+00 – 5.00)
Project No., Type of Construction, and Year Constructed	450A–01–12M, RESURFACE, 2015 (0.02–1.80); 450A–01–12M, RESURFACE, 2015 (3.88–5.00)
Project No., Type of Construction, and Year Constructed	450A–01–08M, RESURFACE, 2009 (0.01–3.88); STP–0450(6) 1996 RESURFACE (3.88–5.00)



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. (0.006 mi.); KAMOI ST. (0.124 mi.); AILOA ST. (0.182 mi.); KAUNAKAKAI SCH. (0.235 mi.); OKI PLACE (0.281 mi.); ROAD TO "DUKE MALIU" PARK (0.326 mi.); ALANUI KAIMI KE EDUCATION CTR. (0.468 mi.); KAPA AKEA LOOP (0.694 mi.); CULVERT (0.771 mi.); KAPA'AKEA CEMETERY (0.847 mi.); CULVERT (0.891 mi.); KAPA'AKEA LOOP (0.902 mi.); 1 MP (0.988 mi.); CULVERT (0.998 mi.); CULVERT (1.194 mi.); HOTEL ENT. (1.341 mi.); HOTEL ENT. (1.404 mi.); KAMILOLOA PLACE (1.427 mi.); CULVERT (1.474 mi.); AAHI ST. (1.522 mi.); ILIAHI PLACE (1.560 mi.); CULVERT (1.631 mi.); KAHINANI PLACE (1.631 mi.); OPUA PLACE (1.699 mi.); OHAI ALI STREET (1.889 mi.); HOTEL MOLOKAI ENT. (1.892 mi.); KAMILOLOA BRIDGE (1.903 mi.); 2 MP (1.985 mi.); PANO PLACE (2.383 mi.); CULVERT (2.466 mi.); KAM V HWY; 3 MP (3.005 mi.); ONEALII PARK #1 (3.332 mi.); MAKANUI RD. (3.764 mi.); MAKAKUPAIA BRIDGE (3.934 mi.); 4 MP (4.017 mi.); HOOULU PL. (4.296 mi.); 4.50 MP (4.493 mi.); ULUANUI RD. (4.596 mi.); CULVERT (4.657 mi.); KAMAKANA PLACE (4.831 mi.)

1.50 MP; 1.497 mi.

CONTINUES ON SHEET #2 — 5.00 mi.

Divided Highway — Undivided

Shoulder: Width and Type	6' AC (0.00–0.25); 12' AC (0.25–1.00); 6' AC (1.00–1.80); 4' AC (2.61–3.88); Milled Edgeline Rumble Strip (3.88–5.00)
Pavement: Width and Type	24' AC (1.00–1.80); 22' AC (2.61–5.00)
Shoulder: Width and Type	6' AC (1.00–1.80); 4' AC (2.61–3.88); Milled Edgeline Rumble Strip (3.88–5.00); Milled Centerline Rumble Strip (3.88–5.00)

Divided Highway — Divided

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

Number of Traffic Lanes	2 – 12' (0.00–1.80); 2 – 11' (2.61–5.00)
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)	.209; .457; .467; .216; .439; .483; .495; .320; .301
Protective Devices: Type, Location and Number	All Metal Rails on Metal Posts unless otherwise noted.
Illumination: Type, Location and Number	MERCURY VAPOR (0.27–1.00); .217; .209; .457; .207; .216; .207; MERCURY VAPOR (1.48–2.61); .439; .483; .495; 1 MV (2.61–3.88); 1 MV (3.88–5.00); .320; .301; .318
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 (0.00–0.18); BA (0.18–0.24); B (0.24–0.42); A (0.42–1.48); .375; .375; A (1.48–5.00)
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)	A (0.00–1.34); .384; B (1.34–1.69); 2.00; A (1.69–2.36); 2.36; B (2.36–3.18); A (3.18–4.17); 4.17; B (4.17–4.23); 4.23; A (4.23–5.00)
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) (0.00–0.74); NOT POSTED (0.74–1.00); 35 MPH (2) (1.00–5.00)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Stations (Current Year)	B75 0450 00000 (0.00–1.80); B75 0450 00199 (1.80–5.00)
HPMS Sections – AADT 2015	4,900 (0.00–1.28); 8,900 (1.28–1.59); 2,300 (1.59–5.00)
HPMS Sections – AADT 2014	6,300 (0.00–2.28); N/A (2.28–5.00)
HPMS Sections – AADT 2013	5,900 (0.00–1.34); 4,600 (1.34–1.69); 2,694 (1.69–5.00)
DOD Sections	
Census Tracts	
Functional Classification	MAJOR COLLECTOR (5)
National Highway System (NHS)	NOT ON NHS (0)
Previous Projects: Project No., Date and Limits	

0.01	450AB–01–01M 2001 RESURFACE (0.01–1.80); STP–0450(7) 1998 (1.28–1.79); STP–0450(6) 1996 RESURFACE (1.80–5.00)
	HWY–M–06–06M 1997 (0.51–1.00); HWY–M–02–90 1991 SHOULDER IMPROVEMENT (1.80–3.69)
	RS–0450(4) 1988 RESURFACE (1.00–1.90); RS–0450(1) 1979 RESURFACE (3.69–5.00)
	COUNTY (0.51–1.00); 450A–01–72 1972 RESURFACE (1.90–1.99); FAS 2A 1940 (1.99–5.00); FAS 2A(1) 1938 (1.99–5.00)

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.
Jan 16	D.B.
Jan 17	D.B.

ROAD INVENTORY

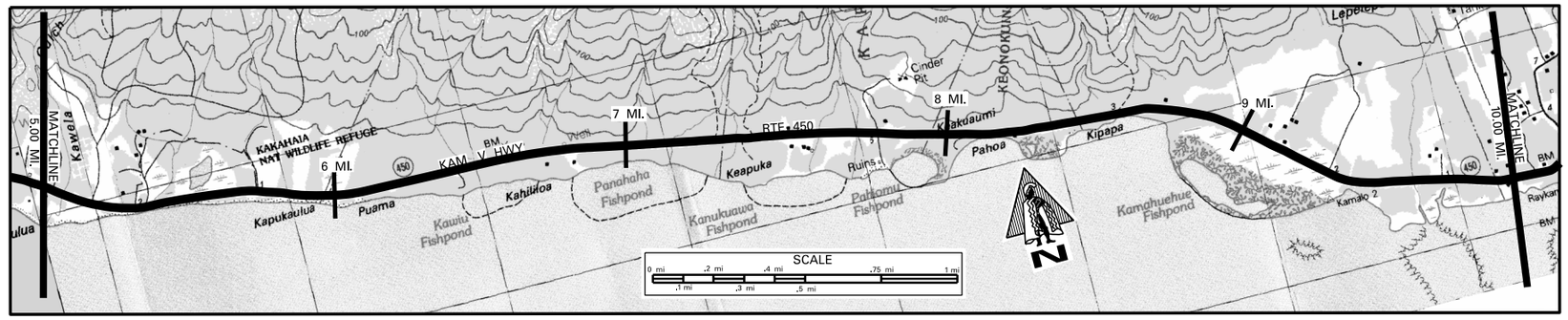
MOLOKAI RTE 450
KAMEHAMEHA V HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

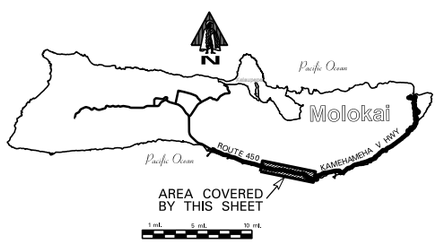
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 27.499 miles
- a. Survey Length: 27.499 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	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'
Structure Carrying Road: Vertical Clearance	
Structure Carrying Road: Horizontal Clearance	26' ; 28'
Structure Over Road: Vertical Clearance	
Structure Over Road: Horizontal Clearance	
Right of Way Width (min.–max.) if varies	
Available Right of Way Width (Needs Study)	
Right of Way Fence: Type – Right and Left	WIRE ON WOOD 15' FROM PAVEMENT; NONE; WIRE ON WOOD 15' FROM PAVEMENT; 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 (395+00)
Project No., Type of Construction, and Year Constructed	450A-01-12M, RESURFACE, 2015
Project No., Type of Construction, and Year Constructed	(BR-0450(8) 2014 BRIDGE REPLACEMENT); 450AB-01-01M 2001 RESURFACE; STP-0450(9) GAURDRAIL AND SHOULDER IMPROVEMENTS 2013



Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET #1

5.00 mi. — KAWELA BRIDGE (5 MP, 5.016 mi.); ONONI DR. (5.097 mi.); BRIDGE (5.211 mi.); CULVERT (5.408 mi.); CULVERT (5.522 mi.); CULVERT (5.506 mi.); CULVERT (6.002 mi.); CULVERT (6.187 mi.); CULVERT (6.487 mi.); CULVERT (6.448 mi.); BRIDGE (7.005 mi.); CULVERT (7.132 mi.); FORD (7.273 mi.); CULVERT (7.742 mi.); PROJ. MARKER (7.947 mi.); CULVERT (8.147 mi.); CULVERT (8.35 mi.); CULVERT (8.502 mi.); CULVERT (8.703 mi.); KAMALO BRIDGE (9.014 mi.); CULVERT (9.632 mi.); CULVERT (9.835 mi.); CULVERT (9.906 mi.); CULVERT (9.938 mi.); 10 MP, 9.999 mi. — KAMEHAMEHA V HIGHWAY

CONTINUED ON SHEET #3 10.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway, Undivided: Shoulder: Width and Type (GRASS UNLESS NOTED)	(4' AC) 10' AC; 4' AC (7.47)
Divided Highway, Undivided: Pavement: Width and Type	(22' AC) 24' AC (5.04–5.18); 22' AC (7.14); 20' AC
Divided Highway, Undivided: Shoulder: Width and Type (GRASS UNLESS NOTED)	(4' AC) 10' AC; 4' AC (7.47)
Divided Highway: Median: Width and Type	MILLED EDGELINE RUMBLE STRIPS; MILLED EDGELINE RUMBLE STRIPS; MILLED CENTERLINE RUMBLE STRIPS (7.47)
Divided Highway: Shoulder: Width and Type	
Divided Highway: Pavement: Width and Type	
Divided Highway: Shoulder: Width and Type	
Number of Traffic Lanes	(2 – 11') 2 – 12' (5.04–5.18); 2 – 11'; 2 – 10' (7.14)
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)	.082 .130 .399 .441 .364 .508 .477 .107 .161 .267 .282 .452 .506 .649
Protective Devices: Type, Location and Number (All Metal Rails on Metal Posts unless otherwise noted.)	.090 .132 .396 .435 .365 .471 .424 .113 .157 .260 .298 .445 .509 .650 .724
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; 8.38 C 8.46 A 8.89 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; 6.44 B 6.56 A 7.04 B 7.27 A 7.48 B 7.84 A 8.46 B 8.54 A 9.07 B
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	RURAL (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	FLAT (1); .221 6.77 ROLLING (2) FLAT (1) 8.52 .694 FLAT (1)
Speed: 1–Design, 2–Posted	35 MPH (2); .172 45 MPH (MIN. 35 MPH) (2) 8.72 35 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Stations (Current Year)	B75 0450 00199; B75 0450 00511; (SIGN MISSING)
HPMS Sections – AADT 2015	2,300 5.11; 1,100
HPMS Sections – AADT 2014	N/A; 1,200
HPMS Sections – AADT 2013	2,694; 1,200; 7.84; 1,347
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-0450(6) 1996 RESURFACE 7.16; STP-0450(7) 1998 7.84; 7.17 HWY-M-06-96M 1997; RS-0450(1) 1979 RESURFACE; FAS 2A 1940; FAS 2A(1) 1938; 7.14; 7.13; STA. 390+50; 7.39; S-2(2) 1947; STA. 430+25; STA. 0+00; 8.14; 450AB-01-89M 1990 RESURFACE; 450AB-01-76M 1976 RESURFACE; COUNTY

SCALE: (In Miles) 4" = 1 mile

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.
Jan 16	D.B.
Jan 17	D.B.

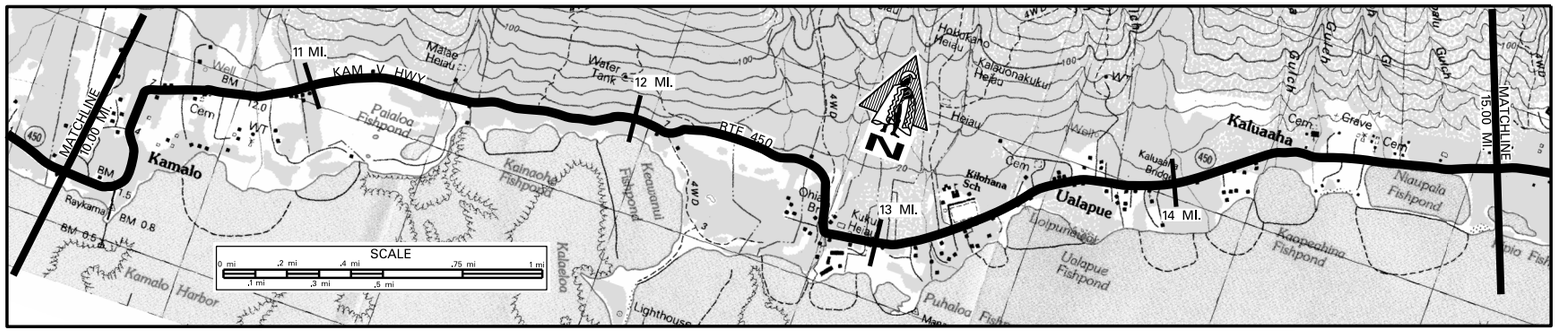
ROAD INVENTORY
MOLOKAI RTE 450
KAMEHAMEHA V HIGHWAY

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: 27.499 miles
- **a. Survey Length:** 27.499 miles
- **b. Proposed Length:** 0.00 miles
- **c. Other Length:** 0.00 miles



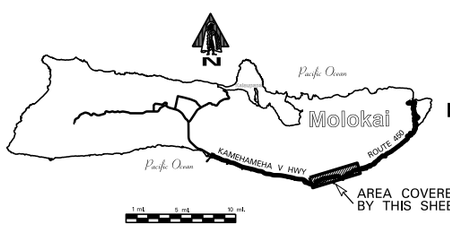
SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description
BEGIN 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 1979 HS-20 22' (at 13); PRE-STRESSED SLAB 1979 HS-20 36' (at 14)
- Vertical Clearance
- Horizontal Clearance: 18' (at 13); 21' (at 14)

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 (10 – 11.26); WIRE ON METAL CHAIN LINK (11.26 – 13.03); WIRE (13.03 – 15)
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-0450(9) GUARDRAIL AND SHOULDER IMPROVEMENTS 2013 (10 – 11.36); 450B-01-02M RESURFACE 2003 (11.36 – 15)
Project No., Type of Construction, and Year Constructed: 450AB-01-01M RESURFACE 2001 (10 – 11.33)



Road Diagram
* MP = Milepost Signage
AREA COVERED BY THIS SHEET

CONTINUED FROM SHEET #2

10.00 mi. — KAMEHAMEHA V HIGHWAY — 15.00 mi.

Milepost	Feature
10.129 mi. / 10.095 mi.	KAMALO WHARF ROAD CULVERT
10.821 mi.	FORD
11 MP	
11.009 mi.	
12 MP	
12.019 mi.	
12.12 mi.	CULVERT
12.519 mi.	CULVERT
12.803 mi.	OHIA BRIDGE
12.915 mi.	ROAD TO WAVECREST RESORTS
13 MP	
13.005 mi. / 12.980 mi.	HAW'N TEL-SUBSTATION (L)
13.173 mi.	FORD
13.253 mi.	KILOHANA SCHOOL
13.421 mi.	UALAPUE PLACE
14 MP	
14.013 mi.	KALUAAHA BRIDGE
14.126 mi.	KEALANUI OHINA PL.

CONTINUES ON SHEET #4

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided
- Shoulder: Width and Type (ALL GRASS UNLESS NOTED): 4' AC (10 – 11.33); 2' – 4' AC (11.33 – 12.39); 4' AC / 2' GRASS (12.39 – 14.05); 2' – 4' AC (14.05 – 15)
- Pavement: Width and Type: 20' AC (10 – 10.15); 18' AC (10.15 – 15)
- Shoulder: Width and Type (ALL GRASS UNLESS NOTED): 4' AC (10 – 11.33); 2' – 4' AC (11.33 – 15)

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 – 10.15); 2 – 9' (10.15 – 15)
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): N O N E
(Right Side): N O N E
Frontage Road: No. of Lanes, and Width (Right and Left): N O N E
Sidewalk: Width and Type (Right and Left): N O N E
Curb and/or Gutter: Type (Right and Left): N O N E (.496 – 12.67; .031 – 14.05)
Protective Devices: Type, Location and Number (All Metal Rails on Metal Posts unless otherwise noted.): TEMP CONC BARRICADE (.524 – .559; .692 – .707)
Illumination: Type, Location and Number: 11 INCA. (10.40 – 10.62)
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 – 10.09) E (10.09 – 10.19) AD (10.19 – 10.27) C (10.27 – 10.37) A (10.37 – 10.40) F (10.40 – 10.56) A (10.56 – 10.82) B (10.82 – 10.87) A (10.87 – 11.26) B (11.26 – 11.33) A (11.33 – 11.49) BA (11.49 – 11.56) B (11.56 – 11.63) A (11.63 – 11.72) C (11.72 – .735) A (.735 – .821) C (.821 – 11.87) A (11.87 – 11.94) D (11.94 – 11.98) B (11.98 – 12.10) D (12.10 – 12.18) E (12.18 – 12.24) D (12.24 – 12.29) A (12.29 – 12.49) D (12.49 – 12.71) ABE (12.71 – 12.87) A (12.87 – 13.53) B (13.53 – 13.66) A (13.66 – 13.88) CA (13.88 – 13.96) B (13.96 – 14.05) A (14.05 – 14.26) BAD (14.26 – 14.38) C (14.38 – 14.42) A (14.42 – 15)
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 – 10.69) A (10.69 – 10.93) B (10.93 – 11.08) A (11.08 – 11.22) B (11.22 – 11.63) A (11.63 – 11.81) B (11.81 – 11.88) A (11.88 – 12.20) B (12.20 – 13.24) A (13.24 – 13.71) B (13.71 – 14.28) A (14.28 – 15)
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 (1) (10 – .396); 30 MPH (2) (.396 – .515); 20 MPH (SCHOOL ZONE) (.515 – .141); 30 MPH (2) (.141 – 15); 35 MPH (2); 20 MPH (SCHOOL ZONE) (.123 – .070)
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year): B75 0450 00511 (10 – 10.15); B75 0450 01015 (10.15 – 14.02); B75 0450 01402 (14.02 – 15)
HPMS Sections – AADT 2015: 1,100 (10 – 10.15); 1,440 (10.15 – 14.02); 305 (14.02 – 15)
HPMS Sections – AADT 2014: 1,200 (10.15 – 13.25); N/A (13.25 – 14.32); N/A (14.32 – 15)
HPMS Sections – AADT 2013: 1,347 (10 – 11.33); 1,261 (11.33 – 14.47); 991 (14.47 – 15)
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 (10 – 11.35)
- HWY-M-01-96M 1997 (11.35 – 14.03); 450B-01-94M 1996 RESURFACE (14.05 – 15)
- 450AB-01-89 1990 RESURFACE (11.35 – 14.07)
- 450B-02-88 1988 SHOULDER IMPROVEMENTS (12.35 – 14.35); STP-0450(5) 1994 GUARDRAIL SHDLR. IMPROV. (14.35 – 15)
- 450AB-01-76M 1976 RESURFACE (10 – 11.33); 450B-01-76M 1976 RESURFACE (11.33 – 14.03); 450B-01-80M 1980 RESURFACE (14.07 – 15)
- COUNTY

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.
Jan 16	D.B.
Jan 17	D.B.

ROAD INVENTORY

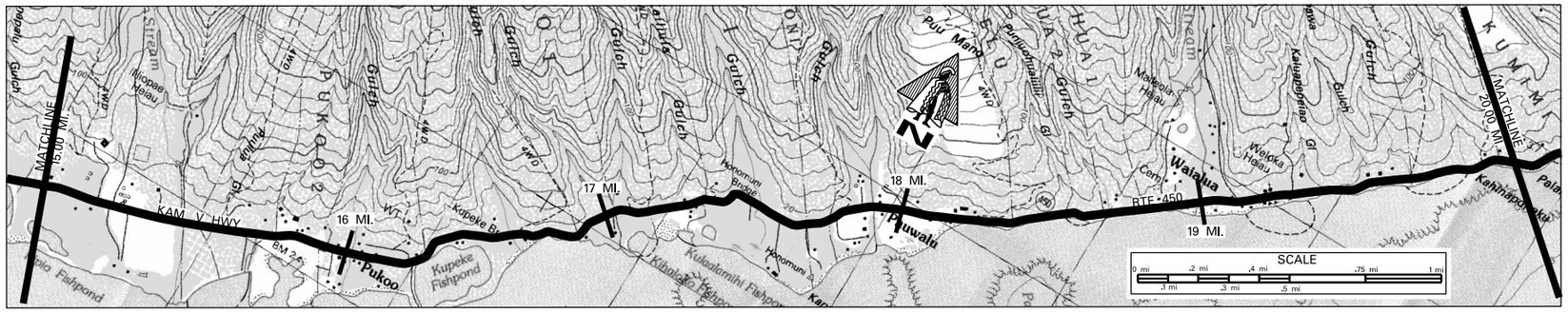
MOLOKAI RTE 450
KAMEHAMEHA V HIGHWAY

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: 27.499 miles
- a. Survey Length: 27.499 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: 450 B (17.43 MI.)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- 42' SLAB 1950 (1968) HS20
- 25' PRESTRESSED BEAM 1979 HS20
- 16' PRESTRESSED BEAM 1979 HS20
- 64'-2" PRESTRESSED CONC. GIRDER 2007, HL-93
- 103' PRESTRESSED BEAM 1970 HS20

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

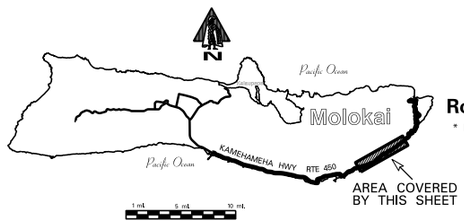
Right of Way Fence: Type – Right and Left: WIRE ON METAL / WIRE (15.96)

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE (130+00)

Project No., Type of Construction, and Year Constructed: 450B-01-02M RESURFACE 2003 (16.05); 450B-01-03M, RESURFACE, 2006 (17.28); (ER-12(4), BRIDGE REPLACEMENT, 2007) (17.48); 450B-01-03M, RESURFACE, 2006

Project No., Type of Construction, and Year Constructed: 450B-01-94M RESURFACE 1996 (18.62); STP-0450(5) 1994 (19.06); COUNTY (19.66); 450B-01-88M 1988 (R)



Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET #3 — 15.00 mi.

MAPULEHU BRIDGE | BEACH PARK | FORD | KUPEKE BRIDGE | CULVERT | HONOMUNI BRIDGE | KAWAKAPU BRIDGE | WAIALUA BRIDGE

KAMEHAMEHA V HIGHWAY

MP 15, 16, 17, 18, 19

15.026 mi. | 15.481 mi. | 15.704 mi. | 16.058 mi. 16.029 mi. | 16.622 mi. | 17.035 mi. 16.995 mi. | 17.456 mi. | 17.890 mi. | 18.014 mi. | 19.018 mi. 18.982 mi.

CONTINUES ON SHEET #5 — 20.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type: 2' – 4' AC

Pavement: Width and Type: 18' AC | 16' AC | 14' BST | 14' BP | 14' – 18' AC

Shoulder: Width and Type: 2' – 4' AC | 4" – 6" GRASS | 0' | 6' GRASS | 0' | 2' – 6' AC | 6" GRS | 0' | 6' – 8' GRASS | 0' | 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 — All Metal Rails on Metal Posts unless otherwise noted, CB = Concrete Barrier

Illumination: Type, Location and Number

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL (99999)

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

Speed: 1–Design, 2–Posted: 30 MPH (2) | 10 MPH (1) / 20 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B75 0450 01402

HPMS Sections – AADT 2015: 305

HPMS Sections – AADT 2014: N/A

HPMS Sections – AADT 2013: 991 | 529 | 529 | 290

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 (130+00)
- 450B-01-94M 1996 RESURFACE
- STP-0450(5) 1994 GUARDRAIL AND SHOULDER IMPROVEMENTS
- 450B-01-80M 1980 RESURFACE
- 450B-01-81M 1981 RESURFACE
- COUNTY
- 450B-01-87M 1987 RESURFACE

SCALE: (In Miles) 4" = 1 mile

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.
Jan 16	D.B.
Jan 17	D.B.

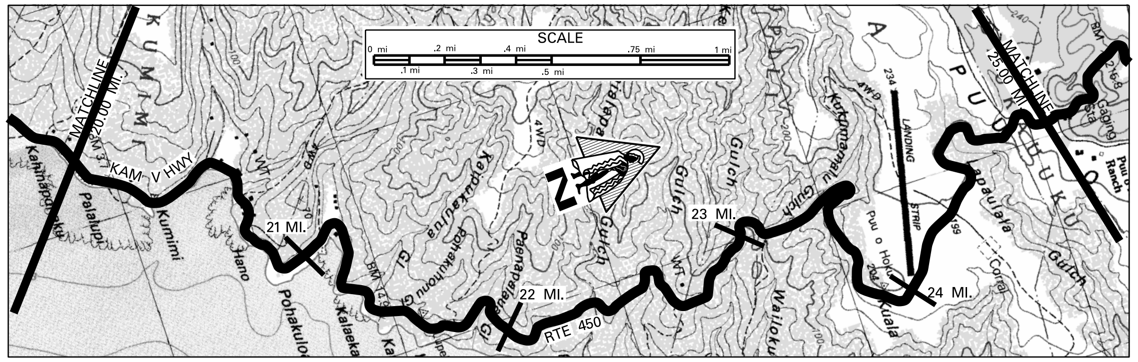
ROAD INVENTORY

MOLOKAI RTE 450
KAMEHAMEHA V HWY

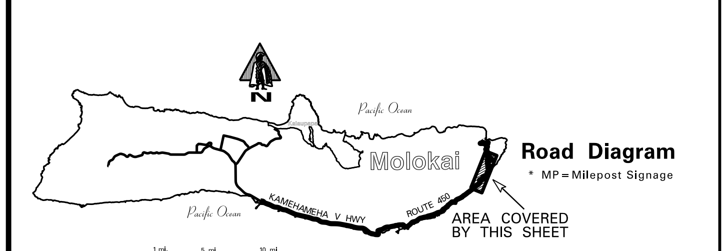
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Route Length: 27.499 **miles**
a. Survey Length: 27.499 **miles**
b. Proposed Length: 0.00 **miles**
c. Other Length: 0.00 **miles**



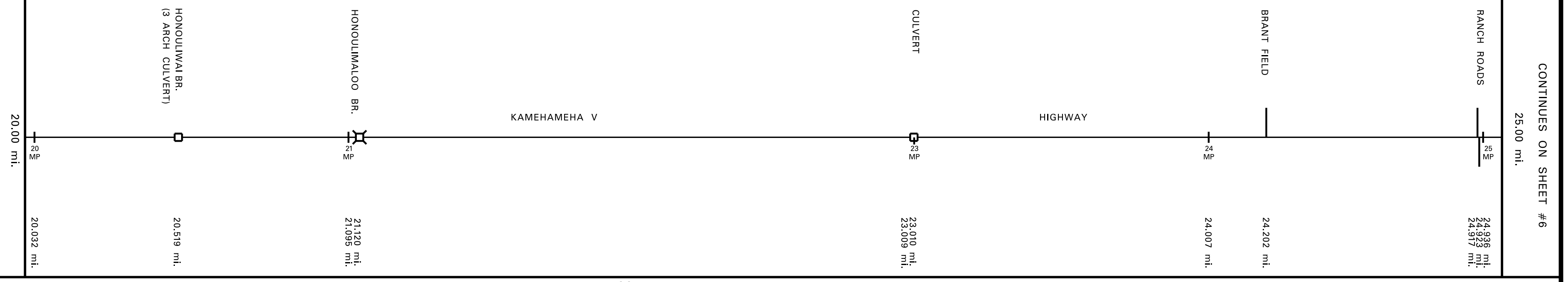
SCALE: (In Miles) 4″ = 1 mile	20 · 21 · 22 · 23 · 24 · 25
Maintenance Control Sections : Length and Description	450B (17.43 MI.)
Structure Carrying Road — Bridges (Over 20′): Length, Type, Capacity and Year Constructed	56′ CULVERT 1960 HS20 (at 20.5) 16′ TIMBER STRINGER 2008, HS–20 (at 21.1)
Vertical Clearance	
Horizontal Clearance	12′ (at 20.5) 13′ (at 21.1)
Structure Over Road — Vertical Clearance	
Horizontal Clearance	
Right of Way Width (min.–max.) if varies	80′
Available Right of Way Width (Needs Study)	TREES BUSHES AND SOME OPEN PASTURE
Right of Way Fence: Type – Right and Left	21.55 WOOD POST W/WIRE 10′–15′ FROM PAVEMENT 23.72 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)	420+00 0+00 S T A T E
Project No., Type of Construction, and Year Constructed	21.09 21.18 —(450B–01–05M, Bridge Replacement, 2008) 22.04 450B–01–05M, Resurface, 2008
Project No., Type of Construction, and Year Constructed	450B–01–03M, RESURFACE, 2006 22.04 450B–01–88M RESURFACE 1988 (450B–01–92M (R) 1993) — 24.96



Road Diagram
* MP = Milepost Signage

AREA COVERED BY THIS SHEET

CONTINUED FROM SHEET #4



CONTINUES ON SHEET #6

SCALE: (In Miles) 4″ = 1 mile	20 · 21 · 22 · 23 · 24 · 25
Undivided — Shoulder: Width and Type	2′ – 6′ AC; 24.96 ←(2′ AC)
Pavement: Width and Type	14′ – 18′ AC; 24.96 ←(14′ AC)
Shoulder: Width and Type	2′ – 6′ AC; 24.96 ←(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′); 24.96 ←(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 All Metal Rails on Metal Posts unless otherwise noted. CB = Concrete Barrier	CB .082 .117 .130 .115 .132 .463 .544
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)	D 20.03 AE 20.12 D 20.19 AEFE 20.32 D 20.41 COB 20.49 E 20.64 FEF 20.79 ABEB 20.89 EFC 20.97 DCB 21.07 EF 21.18 EFDE 21.29 DFD 21.39 F 21.63 EDF 21.71 D 21.85 F 21.90 EAD 22.00 E 22.15 BDA 22.27 F 22.37 EAC 22.45 F 22.65 E 22.77 FEF 22.90 CAE 23.01 F 23.06 EFEB 23.17 CD 23.28 E 23.43 F 23.55 ED 23.64 EF 23.74 ECAB 23.88 EB 23.98 DA 24.07 C 24.18 ACA 24.30 F 24.48 ED 24.54 FE 24.68 F 24.88 AC 24.95 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 20.11 B 20.32 A 20.73 B 21.06 A 21.42 D 21.49 C 22.10 B 22.17 D 22.22 B 22.32 D 22.40 C 22.60 E 22.90 C 23.01 E 23.12 C 23.20 E 23.91 C 23.99 B 24.98 ←(E)
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	RURAL (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	ROLLING (2) 20.20 MOUNTAINOUS (3) FLAT (1) 21.50 MOUNTAINOUS (3)
Speed: 1–Design, 2–Posted	10 MPH (1) 20 MPH (2) .942 20 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Stations (Current Year)	B75 0450 01402
HPMS Sections – AADT 2015	305
HPMS Sections – AADT 2014	N/A
HPMS Sections – AADT 2013	290; 24.94 107
DOD Sections	
Census Tracts	
Functional Classification	MAJOR COLLECTOR (5)
National Highway System (NHS)	NOT ON NHS (0)
Previous Projects: Project No., Date and Limits	
	450B–01–88M RESURFACE 1988
	450B–01–87M 1987 RESURFACE; 24.96
	COUNTY
SCALE: (In Miles) 4″ = 1 mile	20 · 21 · 22 · 23 · 24 · 25

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.
Jan 16	D.B.
Jan 17	D.B.

ROAD INVENTORY

MOLOKAI RTE 450
KAMEHAMEHA V HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

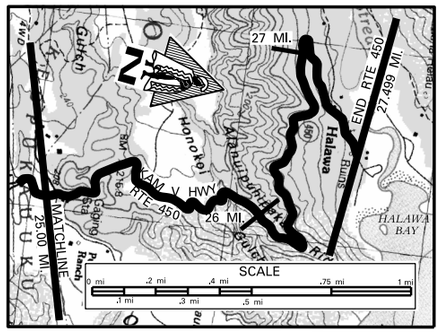
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 27.499 **miles**

a. Survey Length: 27.499 **miles**

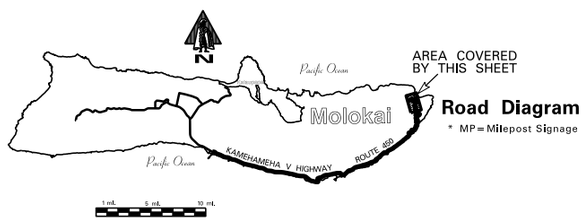
b. Proposed Length: 0.00 **miles**

c. Other Length: 0.00 **miles**



SCALE: (In Miles) 4" = 1 mile

	Maintenance Control Sections : Length and Description	450 B (17.43 MI.)
Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed	CULVERT
	Vertical Clearance	
	Horizontal Clearance	
Structure Over Road	Vertical Clearance	
	Horizontal Clearance	
	Right of Way Width (min.–max.) if varies	
	Available Right of Way Width (Needs Study)	
	Right of Way Fence: Type – Right and Left	WOOD ON WIRE 10'-15' FROM PAVEMENT / WOOD ON WIRE 10'-15' FROM PAVEMENT (25.53)
	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 + 67) .499
	Project No., Type of Construction, and Year Constructed	450–01–05M, Resurf., 2008
	Project No., Type of Construction, and Year Constructed	450B–01–92M RESURFACE 1993



CONTINUED FROM SHEET #5

25.00 mi. — CULVERT — FORD — KAMEHAMEHA V — 26 MP — HIGHWAY — 27 MP — PARK ROAD — ROAD TO CHURCH — *27.499 mi.

25.043 mi. — 25.733 mi. — 25.965 mi. — 26.959 mi. — 27.379 mi. — 27.438 mi.

END ROUTE 450 ON KAMEHAMEHA V HIGHWAY AT THE END OF PAVEMENT.

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

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided	Shoulder: Width and Type	2' AC
	Pavement: Width and Type	14' AC
	Shoulder: Width and Type	2' AC
	Median: Width and Type	
	Shoulder: Width and Type	
	Pavement: Width and Type	
	Shoulder: Width and Type	
	Number of Traffic Lanes	2 – 7'
	Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	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 — All Metal Rails on Metal Posts unless otherwise noted.	(CRM) ROCK WALL
	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)	E AFDE FEC AE FE F DFB FE FEC FE E E F BF CA BD FC DFE FED EDEC EDC 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 D C F E D
	Vertical Curve: Crest or Sag, Curve Limits	
	Area and Development:	RURAL (99999)
	Terrain: 1–Flat, 2–Rolling, 3–Mountainous	MOUNTAINOUS (3) ROLLING (2)
	Speed: 1–Design, 2–Posted	20 MPH (2) NOT POSTED 20 MPH (2)
	Intersection Control Devices: Type, Location and Cycle Timing	
	Traffic Stations (Current Year)	B75 0450 01402
	HPMS Sections – AADT 2015	305
	HPMS Sections – AADT 2014	N/A
	HPMS Sections – AADT 2013	107
	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

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.
Jan 16	D.B.
Jan 17	D.B.

ROAD INVENTORY

MOLOKAI RTE 460

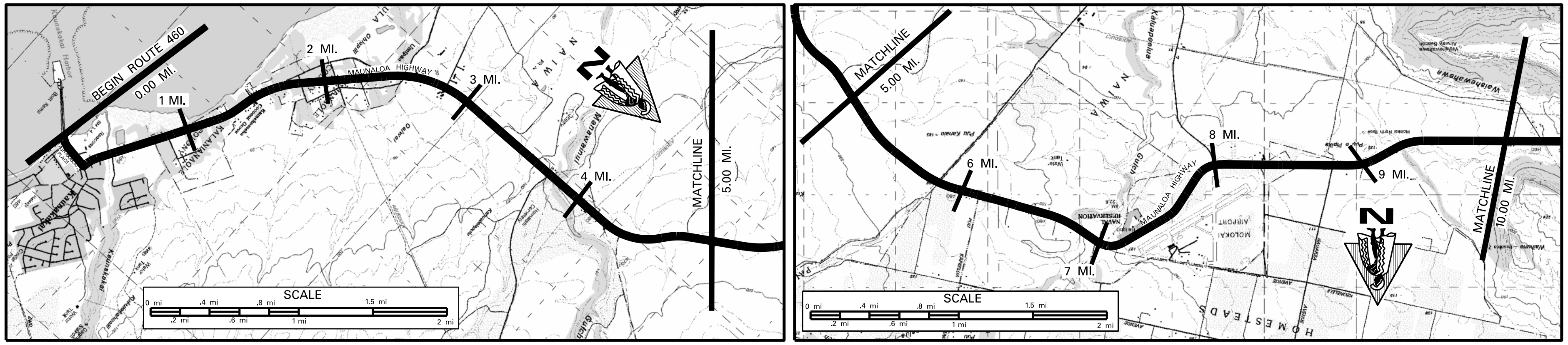
KAUNAKAKAI PLACE AND MAUNALOA HIGHWAY

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: 16.547 miles
a. Survey Length: 16.547 miles
b. Proposed Length: 0.00 miles
c. Other Length: 0.00 miles

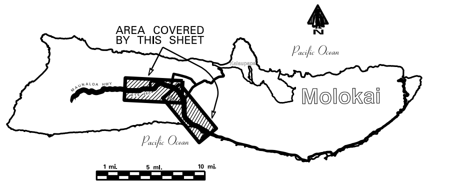


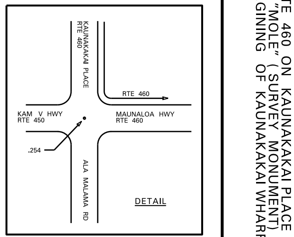
SCALE: (In Miles) 2" = 1 mile — 0 1 2 3 4 5 6 7 8 9 10

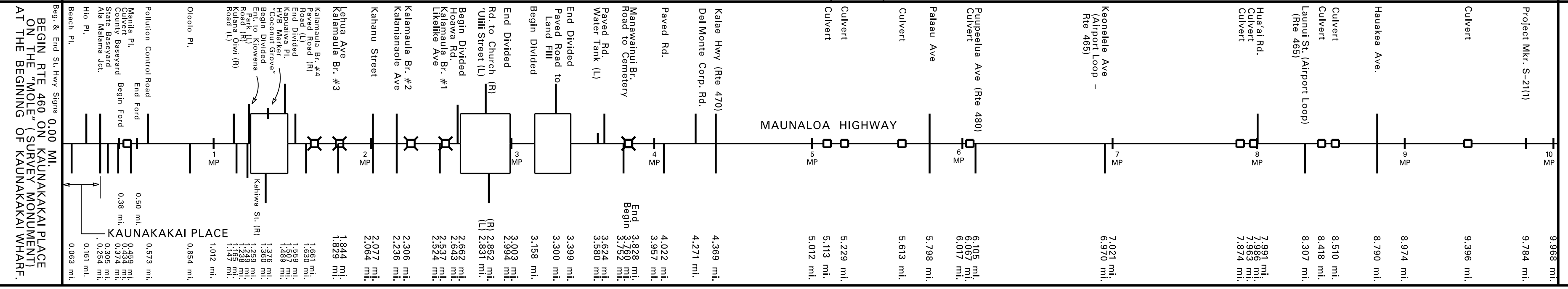
Maintenance Control Sections : Length and Description	Begin 460A Same As Begin Rte 460; 460A (16.56 mi.)
Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed	Culvert 1959 (1971) HS–20 73'; Slab 1954 H–20 35', 35', 35', 35'; Prestressed Conc. Girder 1988, HS–20–44 364'
Structure Carrying Road — Vertical Clearance	0.43; 1.66; 1.83; 2.29; 2.54; 3.76
Structure Carrying Road — Horizontal Clearance	36'; 36'; 36'; 36'; 36'; 41'
Structure Over Road — Vertical Clearance	
Structure Over Road — Horizontal Clearance	
Right of Way Width (min.–max.) if varies	80' 3.17 70'–160' 4.19 80'–160' 5.72 50' 6.91 80'–110' 7.84 100' 9.80 80'–400'
Available Right of Way Width (Needs Study)	Residential Area 1.53 2.02 1000' Clear – Grass, Bushes 10'–15' from Pavement 4.45 1000' Clear Pineapple 15'–25' from Pavement 5.71 Ranch and Pasture 7.04 Airport 30' 7.49 Clear 1000' Pineapple/Grass Pasture
Right of Way Fence: Type – Right and Left	1.98 Wire on Wood 10' from Pavement 4.01 (right and left); 6.04 Wire on Wood 10' from Pavement 8.31; 7.09 ChainLink 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; 29+00; 395+00
Project No., Type of Construction, and Year Constructed	5.09 ARR–0460(14), Resurface, 2011 7.05; 7.28 460A–01–10M, Resurface, 2015 9.13; 460A–01–11MR, (R), 2015
Project No., Type of Construction, and Year Constructed	0+00 460A–01–06M, RESURFACE, 2009 144+00 5.14; 5.49 STP–0460(12), Resurface, 1998

Road Diagram

* MP = Milepost Signage







CONTINUED ON SHEET #2

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

Undivided — Shoulder: Width and Type	4' AC 0.39 8' AC 0.50 4' AC 0.93 20' PCC (Truck Wt. Sta.) 0.99 4' AC (8' PCC) 4' AC 5.10 Beg. Shldr. Rumble Strip 5.87 8' AC 6.73 4' AC 6.85 8' AC 6.93 End Shldr. Rumble Strip 7.27 7.55 Shldr. Rumble Strip 7.84 8.00 4' AC Shldr. Rumble Strip 9.06 9.35 Shldr. Rumble Strip
Undivided — Pavement: Width and Type	24' AC; 12' AC; 24' AC; 12' AC; 24' AC; 12' AC; 24' AC (24' PCC); (8' AC) 6.93 24' AC; 9.78 22' AC
Undivided — Shoulder: Width and Type	4' AC 8' AC 0.50 4' AC; 0; 4' AC; 0; 4' AC; 0; 4' AC (8' PCC) 7' AC 3.91 4' AC 4.63 6' AC 4.89 5.10 Beg. Shldr. Rumble Strip 4' AC 5.77 8' AC 6.06 4' AC 6.21 8' AC 6.72 4' AC 6.93 End Shldr. Rumble Strip 7.27 7.61 Shldr. Rumble Strip 4' AC 9.06 9.35 Shldr. Rumble Strip
Divided Highway — Median: Width and Type	0.39 .259 12' Painted AC .507; .662 12' Painted AC .994; .158 0'–11' Painted AC .339; 3.76 3.83; 5.10 Beg. C.L. Rumble Strip; 6.87 End C.L. Rumble Strip 7.27; 7.41 C.L. Rumble Strip 9.06; 9.24 C.L. Rumble Strip
Median Barriers:	
Shoulder: Width and Type	0; 0; 0
Pavement: Width and Type	12' AC; 12' AC; 12' AC
Shoulder: Width and Type	4' AC; 4' AC; 4' AC
Number of Traffic Lanes	2–12' 9.78 2–11'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	1–12' (L) TL .360 .432; .831 .953; .852 .893; .300 .422; .312 .369 .427 12' Lanes
(Right Side)	.732 .831; .235 .300
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)	.414 .467; .590 .003; .159 .636; .097 .242; .405 .531; .874; .109 .149 3' Conc. Gutter; 4.63 4.89; 5.87 AC Curb 6.67; 6.86 6.93 (AC Curb); AC Curb; AC Curb 6.92; .559; .845 .986; .231 .335
Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless otherwise noted.	.830; .464 .623; 5.77 6.06; 6.21; .729 .852; .486;
Illumination: Type, Location and Number	.012 .047; .413 .453 Mercury Vapor; 1.49; .632 .927 1 MV 1.84; 2.08 1 MV; .189 1 MV .647 2.26; .747 .884; .099 .232; .426 .552; .875; .131 .154; .476 .634; 6.13 1 MV; .720 .743 .804 .857; .614; .232 .342
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 0.39 A 6.97 C 7.19 A 7.49 B 7.63 A 7.83 B 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 2.21 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 7.75 C 7.83 B
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	Rural (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Flat (1) 2.56 Rolling (2) 5.56 Flat (1)
Speed: 1–Design, 2–Posted	(20 MPH (1)) .153 35 MPH (2) .647; 20 MPH (2) .312; 45 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Stations (Current Year)	B75 0460 00000; B75 0460 00025; B75 0460 00086; B75 0460 00136; B75 0460 00437; B75 0460 00696
HPMS Sections – AADT 2015	980 0.25 6,011 0.86 5,500 1.36 5,050 4.37 2,500; 1,400
HPMS Sections – AADT 2014	1,500 0.46 N/A; 5,400; N/A; N/A; 1,300
HPMS Sections – AADT 2013	1,200 0.25 5,400 1.35 6,008 2.84 4,800 4.38 2,530 6.10 2,176 6.96 1,300 8.31 959
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 7.04
	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.
Jan 16	D.B.
Jan 17	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

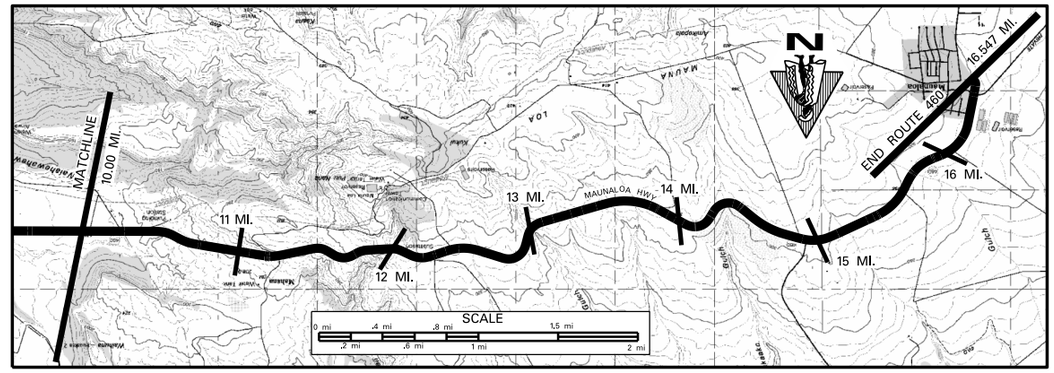
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 16.547 miles

a. Survey Length: 16.547 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: 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

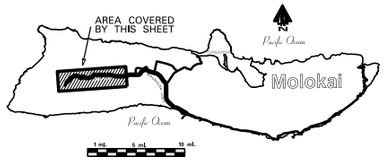
Right of Way Fence: Type – Right and Left: Wire on Wood 20'–30' from Pavement (10.26–12.69); Wire on Wood 20'–30' from Pavement (10.26–12.19)

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State (296+00 – 0+00)

Project No., Type of Construction, and Year Constructed: 460A–01–11MR, Resurface, 2015 (10.00–10.39); STP–0460(016), Resurface, 2015 (10.01–.547)

Project No., Type of Construction, and Year Constructed: STP–0460(12) Resurface, 1998 (10.01–10.39); 460A–01–99M, Resurface, 2000 (10.39–.547)



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #1

Culvert; Culvert; Kalua Koi Rd.; End Divided Kajana St.; Begin Divided

MAUNALOA HWY

10.50 MP; 11 MP; 11.50 MP; 12 MP; 12.50 MP; 13 MP; 13.50 MP; 14 MP; 14.50 MP; 15 MP; 15.50 MP; 16 MP; 17 MP

10.477 mi.; 10.539 mi.; 10.356 mi.; 11.13 mi.; 11.472 mi.; 11.959 mi.; 12.476 mi.; 12.929 mi.; 13.424 mi.; 13.998 mi.; 14.491 mi.; 14.856 mi.; 14.322 mi.; 15.468 mi.; 15.999 mi.; 16.208 mi.; 16.377 mi.; 16.311 mi.; 16.547 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH "15 VIDEOLOG" & "15 FEATURES DATABASE".
END RTE 460 ON MAUNALOA HIGHWAY AT THE CENTERLINE MONUMENT OF THE WEST END OF KAUNAKAKAI VILLAGE ST. @ "END STATE HIGHWAY" SIGN. 16.547 MI.*

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided:

Shoulder: Width and Type: 4' AC; 8' AC; 4' AC; 10' 8' 15' 10' 8' 9'–15' 14'
Pavement: Width and Type: 22' AC; 11' AC; 22' AC
Shoulder: Width and Type: Shldr. Rumble Strip; Shldr. Rumble Strip; Shldr. Rumble Strip; (9'–14' Grv.) (14') (15')
Median: Width and Type: C.L. Rumble Strip; 4' AC; 0; C.L. Rumble Strip
Median Barriers: (12' Painted AC)
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): 1–11' (.234)

(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. CB=Concrete Barricade

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) (10.21); Rolling (2)

Speed: 1–Design, 2–Posted: 45 MPH (2); 55 MPH (2) (.206); 20 MPH (2) (.220)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B75 0460 00696; B75 0460 01492

HPMS Sections – AADT 2015: 1,400; 730

HPMS Sections – AADT 2014: 1,300; N/A

HPMS Sections – AADT 2013: 959; 738

DOD Sections

Census Tracts

Functional Classification: Major Collector (5)

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

Previous Projects: Project No., Date and Limits: 460B–01–83M, Resurface, 1983 (11.56–11.86); (460A–01–70, Slope Imprv., 1971); (46A–01–71, 1971); (460A–01–71, Resurface, 1971) (11.99–12.20); 460A–01–91M, Shldr. Paving, 1992; RS–0900(24), Resurface, 1985; FAS 21(1), 1949; RS–0900(24), Resurface, 1986 (14.95–.547)

SCALE: (In Miles) 2" = 1 mile

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.
Jan 16	D.B.
Jan 17	D.B.

ROAD INVENTORY

MOLOKAI RTE 470
KALAE HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

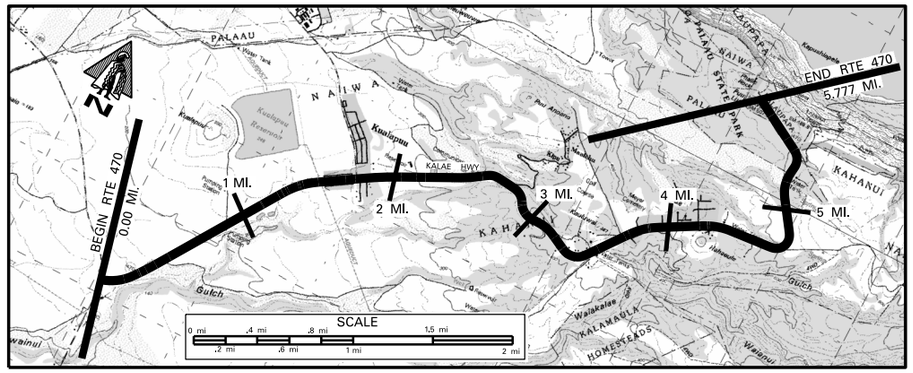
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 5.777 miles

a. Survey Length: 5.777 miles

b. Proposed Length: 0.00 miles

c. Other Length: 0.00 miles



SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

Begin 470A same as begin route — 470A (5.79 MI.) — End 470A same as end route.

Structure Carrying Road

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

Structure Over Road

- Vertical Clearance
- Horizontal Clearance: 80' – 120' (3.49); 60' – 70' (5.09); 60' – 130'

Right of Way Width (min.–max.) if varies: 1000' PINEAPPLE FIELD, 20' – 30' FROM PAVEMENT (1.57); RES. AREA (1.89); PASTURE AREA W/ SOME HOUSES (2.28); LARGE TREES & BUSHES (5.09)

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 (5.05)

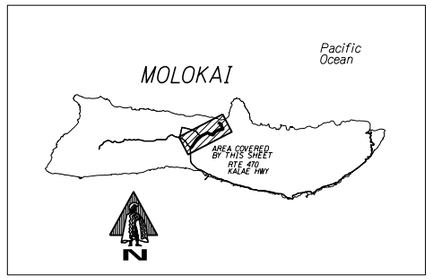
Right of Way Fence: Type – Right and Left: NONE

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE (0.01 – 5.777; 0+28; 87+58)

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

BEGIN ROUTE 470 ON KALAE HIGHWAY AT THE NORTHEAST EDGE OF PAVEMENT WITH MAUNALOA HIGHWAY (ROUTE 460). 0.00 MI.

KALAE HIGHWAY

Milepost	Feature
0.422 mi.	
0.401 mi.	CULVERT
0.869 mi.	ROAD
1.003 mi.	
1.474 mi.	TRACTOR XING
1.557 mi.	S. KIAPA ST.
1.636 mi.	S. NONI ST.
1.773 mi.	S. EHAKO PL.
1.778 mi.	N. EHAKO PL.
1.826 mi.	N. NONI ST.
1.874 mi.	N. KIAPA ST.
1.99 mi.	FARRINGTON AVE (RTE 460)
2.496 mi.	LAUHI PL.
2.742 mi.	MILROUHAVE COMM. STATION
2.88 mi.	CULVERT
3.106 mi.	KIPU ROAD (GOLF COURSE)
3.464 mi.	ROAD TO WATER TANK
3.801 mi.	RD. TO SUGAR MILL (MOLOKAI MUSEUM)
3.908 mi.	KAMAUNU HILLS (IRONWOOD HILLS GOLF COURSE)
4.047 mi.	NANIKAI PLACE
4.177 mi.	KALAMA ROAD
4.288 mi.	KAHI PL.
4.728 mi.	RJW. MEYER LTD. ROAD
4.869 mi.	RD. TO WATER TANK
5.09 mi.	RD. TO PALAAU STATE PARK DRIVEWAY
5.327 mi.	PAVILION
5.501 mi.	RD. TO CAMP AREA
5.612 mi.	PARKING AREA
5.777 mi.	

*5.777 MI.

END ROUTE 470 ON KALAE HIGHWAY AT THE CENTERLINE MONUMENT AT THE ENTRANCE TO THE NEW KALAUPAPA LOOKOUT PARKING LOT.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '15 VIDEOLOG & '12 FEATURES DATABASE.

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided

- Shoulder: Width and Type: 6' AC; 8'–9' AC (3.45)
- Pavement: Width and Type: 24' AC
- Shoulder: Width and Type: 6' AC; 8'–9' AC (3.45)
- 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: All Metal Rails on Metal Posts unless otherwise 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: 35 MPH (2); 45 MPH (1); 30 MPH (1); 35 MPH (2); 30 MPH (2); 25 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B75 0470 00000; B75 0470 00175; B75 0470 00274; B75 0470 00429

HPMS Sections – AADT 2015: 2,200; 860; 850; 220

HPMS Sections – AADT 2014: 2,300; N/A; 880; 250

HPMS Sections – AADT 2013: 2,300; 896; 840; 250

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

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.
Jan 16	D.B.
Jan 17	D.B.

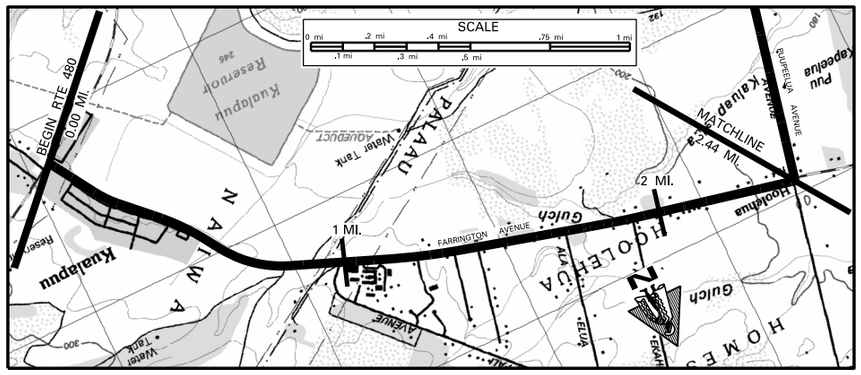
ROAD INVENTORY
MOLOKAI RTE 480
FARRINGTON AVE. – PUUPEELUA AVE.

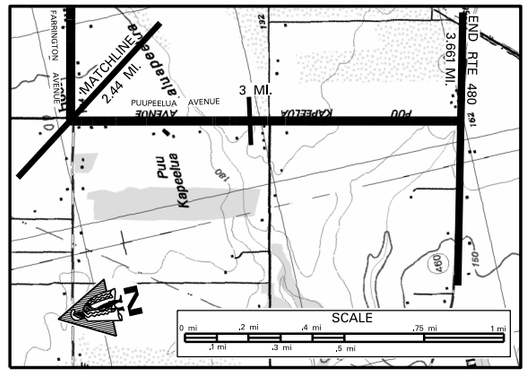
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 3.661 miles
- a. Survey Length: 3.661 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 480 on Farrington Avenue 16' West of the Northwest edge of pavement of Kalae Highway. | 480A (3.65 MI.) | End 480A on Puupeelua Avenue 50' North of North edge of pavement of Maunaloa Highway.

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

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: + 60' (2.44) 80'

Available Right of Way Width (Needs Study): RES. (0.25); CLEAR 1000' PINEAPPLE 15' – 20' FROM EDGE OF PAVEMENT (0.87); CLEAR 1000' GRASS & TREES 15' – 20' FROM PAVEMENT

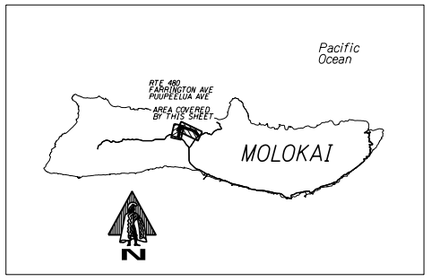
Right of Way Fence: Type – Right and Left: WIRE ON WOOD 15' – 20' FROM PAVEMENT (0.37 – 2.60)

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) (.661)

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.

HULIA STREET 0.089 mi.; PLANTATION STORE 0.046 mi.; 0.005 mi.; 'UWAO STREET 0.229 mi.; ALAEKEA STREET 0.330 mi.; EPANE STREET 0.459 mi.; LIHI PALI AVE. 0.989 mi.; 0.96 mi.; PARKING LOT 1.058 mi.; H.S. EXIT 1.116 mi.; FIRE STATION & KEENA PLACE PARKING LOT 1.239 mi.; 1.209 mi.; LEI KUKUI PLACE 1.348 mi.; ALA EKOLU ST. & MILE MEASURED 1.424 mi.; ALA ELUA STREET 1.704 mi.; ALA EKAHI STREET 1.916 mi.; 2.00 mi.; ANGLE POINT OF PUUPEELUA AVE. & FARRINGTON AVE. END MEASURED MILE 2.438 mi.; 2.42 mi.; POST OFFICE ROAD 2.500 mi.; MOLOKAI BAPTIST CHURCH 2.706 mi.; MO'OMOMI AVE 3.056 mi.; 3.010 mi.; CULVERT 3.638 mi.

FARRINGTON AVENUE (0 MP) — PUUPEELUA AVENUE (1 MP, MOLOKAI H.S., 2 MP, 3 MP)

3.661 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '15 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

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): 4' AC FOOT PATH (0.55 – 2.44)

Curb and/or Gutter: Type (Right and Left) CONCRETE CURB AND GUTTERS: .629; .608; .902; .882; 1.13; .801; .900

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

Illumination: Type, Location and Number: 0.009 1 MV; .786; .810; .852; .965; 1.07 MV; 1.07; 1.24 1 MV; 1.49 1 MV; 1.72 1 MV; 1.93 1 MV; .421; .407; 3.02 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) (F) (2.45); 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; 1.58 C; 1.94; B; 2.76 C; 2.82 A; 3.07 C; 3.59 A

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: RURAL (99999); FLAT (1)

Speed: 1–Design, 2–Posted: NOT POSTED; 35 MPH (2); .897; .965; 20 MPH (2); .262; .318; 35 MPH (2); .551; NOT POSTED

Intersection Control Devices: Type, Location and Cycle Timing: .064

Traffic Stations (Current Year): B75 0480 00000; B75 0480 00244

HPMS Sections – AADT 2015: 2,100; 1,600

HPMS Sections – AADT 2014: N/A; .661

HPMS Sections – AADT 2013: 2,300; 0.99; 1,450; 1,600; 3.06; 1,476

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

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.
Jan 16	D.B.
Jan 17	D.B.

ROAD INVENTORY

LANAI RTE. 440
KAUMALAPAU HWY., MANELE RD.

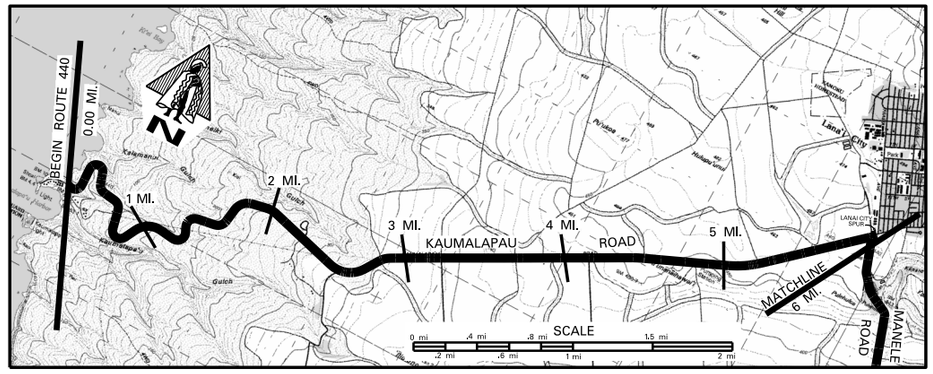
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

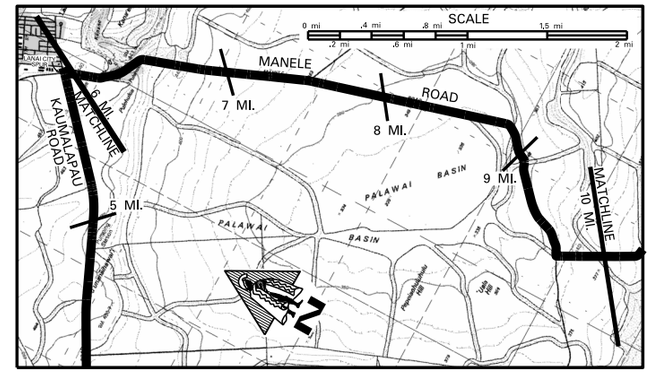
PREPARED BY THE HIGHWAYS PLANNING BRANCH IN COOPERATION WITH THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION

* ROUTE LENGTH	=	13.168 mi.
AIRPORT SPUR	=	0.471 mi.
LANAI CITY SPUR	=	0.026 mi.
TOTAL	=	13.665 mi.

Total Designated Route Length: 13.665 * MILES (a+b)
a. Existing Length: 13.665 * MILES
b. Proposed Length: NONE MILES
Total Travel Way Length: 13.665 * MILES (a+b, less c)
a. Existing Length: 13.665 * MILES
b. Temporary Length: NONE MILES
c. Length used as T.W. for another Route: NONE MILES (–)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____





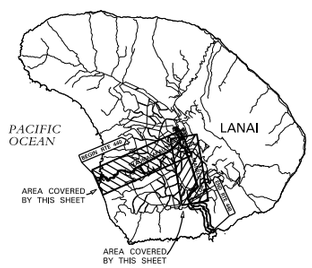
SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

Beg. 440 A Same as Begin Route — 440A (5.97 mi.) * — *Does not Include Airport Spur (see sht. 2) or Kaumalapau Hwy northeast of Manele Rd. (see diagram below) — End 440 A On Kaumalapau Hwy 150' northeast of centerline intersection with Manele Rd. — Begin 440 B On Manele Road at southeast edge of pavement of Kaumalapau Hwy — 440B (7.21 mi.)

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

Right of Way Width (min.–max.) if varies: 90' – 200' (1.93) | 80' – 130' (2.37) | 100' (4.07) | 80' – 150' (5.34) | 30'
Available Right of Way Width (Needs Study): Clear 1000' Pineapple Fields / Bushes, Small Trees 15' – 25' From Edge of Pavement (188 + 00) (16 + 10)
Right of Way Fence: Type – Right and Left: NONE | 440B–01–11M Repair and Maint.,2015
Control of Access: 1–None, 2–Partial, 3–Full: NONE | (440A–01–92M, (R), 1992)
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): (0 + 00) STATE (117 + 00) (161 + 00) (207 + 00) (259 + 00) (315 + 60) (0 + 00) (32 + 50) STATE (193 + 50) (7 + 00)
Project No., Type of Construction, and Year Constructed: 440A–01–10M, PREV. MAINT., 2011 (440A–01–99M, Resurf, 2000) | 440A–01–03M, Resurf, 2005 | 440A–01–01M, (R), 2004 | 440A–01–07M, Resurf., 2008 | 440B–01–04M, Resurf., 2005 | 440B – 02 – 98M, R, '99 | (440B–01–04M, Resurf., 2005)
Project No., Type of Construction, and Year Constructed: HWY – M – 02 – 97M, Shldr. Paving, 1998 | 440A–01–02M, (R) 2003 | 440A–01–96M, 1997 | STP – 0440(6) Resurf, Worksite #1 1996 | 440B 01 – 98M 1999 (Resurf.) | STP–0440 (5), 1995 (Resurfacing & Improvements)



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. — Culvert — Paved Road (R) — Road (L) Lanai Landfill (L) — Kaupili Road — Tractor Xing — Dirt Road (L) Lanai Airport Rd. (R) Begin Divided — End Divided — Pineapple Station Road — Pineapple Station Rd. — Pineapple Road Tractor Xing — Pineapple Road Crossing Mile Road Telem. Sta. — Road (L) — Road (R) — Dirt Road — Dirt Road — Hwy. of Kaumalapau Hwy. & Manele Road — Huna Wai Street — Begin Measured Mile Palawai Road — End Measured Mile — Milepost #9 — Culvert — Paved Road (Rte 440 Angle Pt.)

KAUMALAPAU HIGHWAY — KAUMALAPAU HWY — MANELE RD. — MANELE ROAD

This diagram shows a 150' segment of 440 A Maintenance Control Section

CONT. ON SHEET # 2

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided:
Shoulder: Width and Type — ALL SHOULDERS GRASS EXCEPT WHERE OTHERWISE INDICATED: 6' AC | 6' GRV | 6' AC | 6' GRV 25 10' 25' 6' – 10' 25' | 2' AC | 4' GRS/GRV 8' 25' Grass 25' Dirt
Pavement: Width and Type: 24' AC | 12' AC | 24' AC | 20' AC
Shoulder: Width and Type — ALL SHOULDERS GRASS EXCEPT WHERE OTHERWISE INDICATED: 6' AC | 6' GRV | 6' AC | 0 | 6' AC | 8' GRV 15' 12' 25' 6' – 10' 25' | 2' AC | 4' GRS/GRV 8' 25' Dirt
Median: Width and Type: 10' PAINTED AC
Shoulder: Width and Type: 0
Pavement: Width and Type: 12' AC
Shoulder: Width and Type: 6' AC

Number of Traffic Lanes: 2–12' | 2–10'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
(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: 6' AC SWALE | 6' AC SWALE
Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless otherwise noted.
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) | ROLLING (2) | FLAT (1)
Speed: 1–Design, 2–Posted: 35 MPH (2) | 45 MPH (2) | 35 MPH (2) | 25 MPH (2) | 35 MPH (2) | NOT POSTED
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year): B76 0440 00000 | B76 0440 00323 | B76 0440 00597
HPMS Sections – AADT 2015: 230 | 840 | 1,436
HPMS Sections – AADT 2014: 320 | 830 | 1,400
HPMS Sections – AADT 2013: 190 | 760 | 1,200 | 1,243 | 1,370
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 | 440A–01–03M, Resurf, 2005 | 440A–01–99M, Resurf, 2000 | 440A–01–90M, Shldr. Paving, 1998 | 44A–02–88, Shldr.Imp, 1988 | 440A–01–90M, Shldr. Paving, '90 | 440A–01–96M, 1997 | STP–0440(6) Resurf, Worksite #1 1996 | 440B–01–98M (R) 1997 | 440A–01–78M Resurf, 1979 | RS–0440(2) Resurf, 1986 | (440–A–01–81M Imprv, 1981) | RS–0440(3) Resurf, 1987 | STP–0440(5) 1995 (Resurfacing & Improvements) | 440A 02 81 Imprv, 1981 | S–0440(1) 1959 '60 | 440A–01–73 Resurf, 1975 | STA. 310 + 73.91 | COUNTY

SCALE: (In Miles) 2" = 1 mile

Date Released	
Dec. 2002	T.S.
Revised	
Feb. 04	D.B.
Aug. 04	D.B.
Feb., 06	D.B.
Nov., 06	D.B.
Mar., 08	D.B.
Mar., 09	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.
Jan 16	D.B.
Jan 17	D.B.

ROAD INVENTORY

LANAI RTE. 440
MANELE ROAD, AIRPORT ROAD

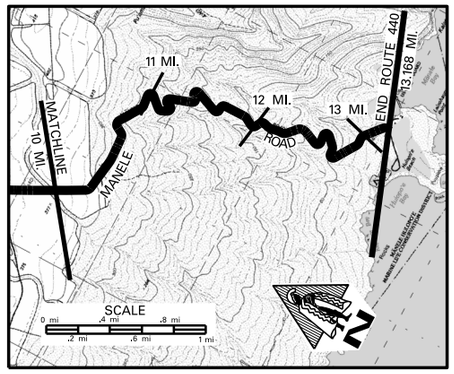
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

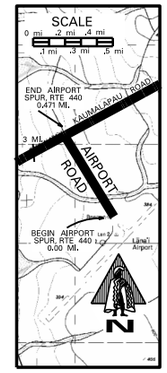
PREPARED BY THE HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

* ROUTE LENGTH	=	13.168 mi.
AIRPORT SPUR	=	0.471 mi.
LANAI CITY SPUR	=	0.026 mi.
TOTAL	=	13.665 mi.

Total Designated Route Length: 13.665 * MILES (a+b)
a. Existing Length: 13.665 * MILES
b. Proposed Length: NONE MILES
Total Travel Way Length: 13.665 * MILES (a+b, less c)
a. Existing Length: 13.665 * MILES
b. Temporary Length: NONE MILES
c. Length used as T.W. for another Route: NONE MILES (–)

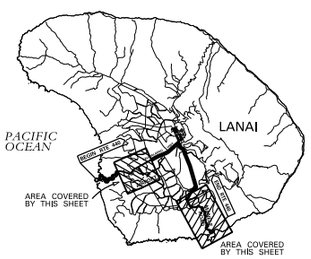
NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



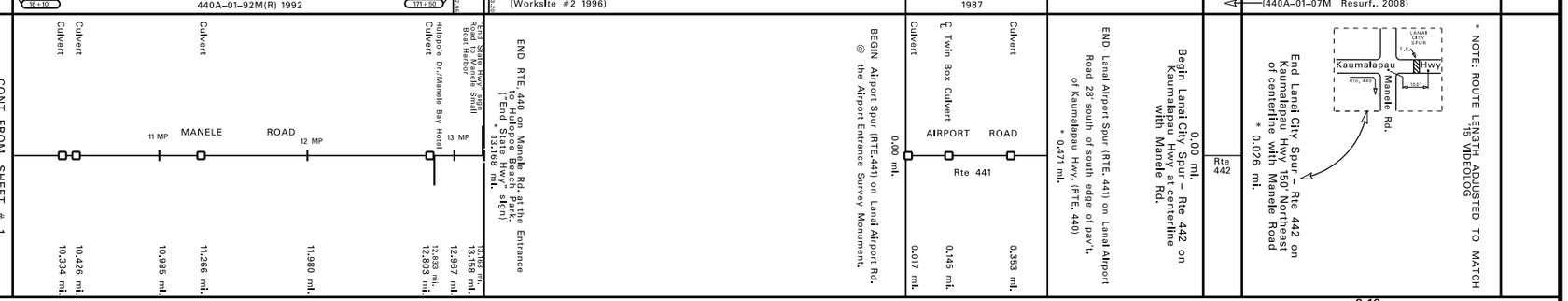


SCALE: (In Miles) 2" = 1 mile

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 | NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	State (98+00, 106+00, 104+00, 174+00, 178+00) | STATE
Project No., Type of Construction, and Year Constructed	440B–01–11M Repair and Maint.,2015; 440B–01–04M, Resurf., 2005; 440B–01–11M Repair and Maint.,2015; STP–0440(6) (Resurface) | 440A–01–88M Resurf. (319+60) | (312+24)
Project No., Type of Construction, and Year Constructed	440A–01–92M(R) 1992 (16+10, 171+50) | (Worksite #2 1996) | 1987 | (440A–01–07M Resurf., 2008)



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'; 2'; 0; 1'–3'; 0; 2'; 0; 1'–4'; 0; 2'–4'; 0; 2'; 2'; All Gravel; 6'; 6'
Divided Highway – Undivided – Pavement: Width and Type	20' AC (GRS/GRV); 13' AC; 20' AC
Divided Highway – Undivided – Shoulder: Width and Type (ALL SHOULDERS GRASS EXCEPT WHERE OTHERWISE INDICATED)	25' Dirt; 6'; 4'–8'; 2'; 6'; 0; 4'; 0; 2'; 0; 2'–4'; 6'–12'; All Gravel; 4'; 3'
Divided Highway – Median: Width and Type	6'–10'; 4'–10' GRS/GRV
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 (All Metal Rails on Metal Posts unless otherwise noted.)	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	NOT POSTED; 35 MPH (2); 25 MPH (2); NOT POSTED | 15 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Stations (Current Year)	B76 0440 00597; B76 0440 01284 | B76 0441 00000 | B76 0440 00000
HPMS Sections – AADT 2015	1,436; 657 | 550 | 2,700
HPMS Sections – AADT 2014	1,400; 640 | 480 | 1,900
HPMS Sections – AADT 2013	1,370; 889; 1,159 | 370 | 1,700
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

SCALE: (In Miles) 2" = 1 mile

Date Released	
Dec 2002	T.S.
Revised	
Feb. 04	D.B.
Aug 04	D.B.
Feb. 06	D.B.
Nov., 06	D.B.
Feb., 08	D.B.
Mar., 09	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.
Jan 16	D.B.
Jan 17	D.B.