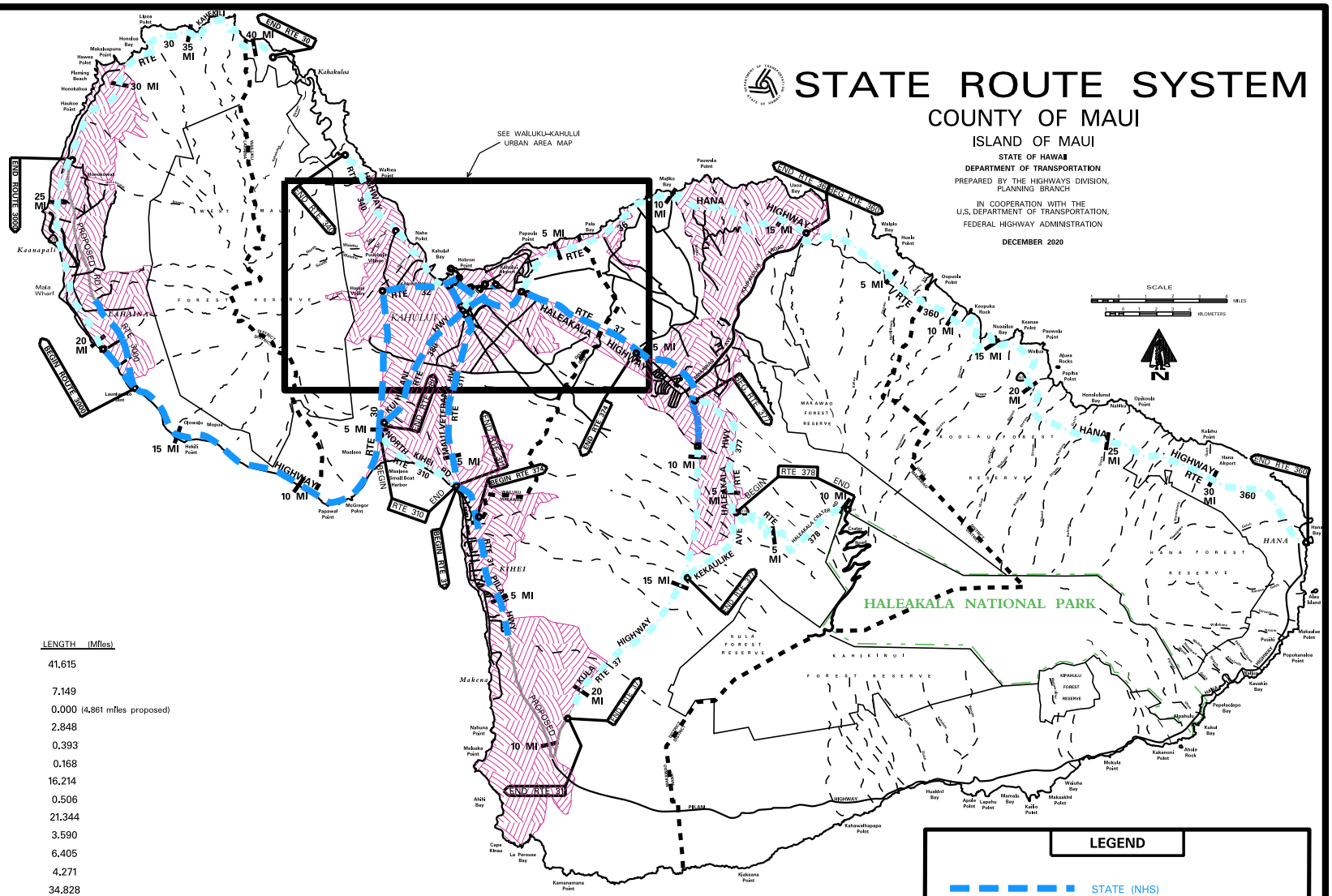
# STATE ROUTE SYSTEM

## 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 2020



## LEGEND

| | |
|---|---|
| ▬ ▬ ▬ | STATE (NHS) |
| ▬ · ▬ · ▬ | STATE (Non-NHS) |
| · · · · · | PROPOSED |
| ━━━━ | PROPOSED (NHS) |
| ● | Route termini point |
| ■ | NHS to non-NHS transition point |
| ▨ | URBAN AREAS |

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 | (Maui Veterans 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) | 4.63 | (8.37 miles proposed) |
| | 3400 | (Kahului Beach Rd., Waiehu Beach Rd.) | 2.624 | |
| | 3500 | (Puunene Ave.) | 1.110 | |
| | 3800 | | 1.238 | (1.67 miles proposed) |

**MAUI TOTAL = 174.34**

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

**COUNTY OF MAUI:**

| | LENGTH (Miles) |
|---|---|
| MAUI | 171.642 |
| MOLOKAI | 53.484 |
| LANAI | 13.665 |
| **TOTAL** | **238.791** |

| 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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Feb. 19 | 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
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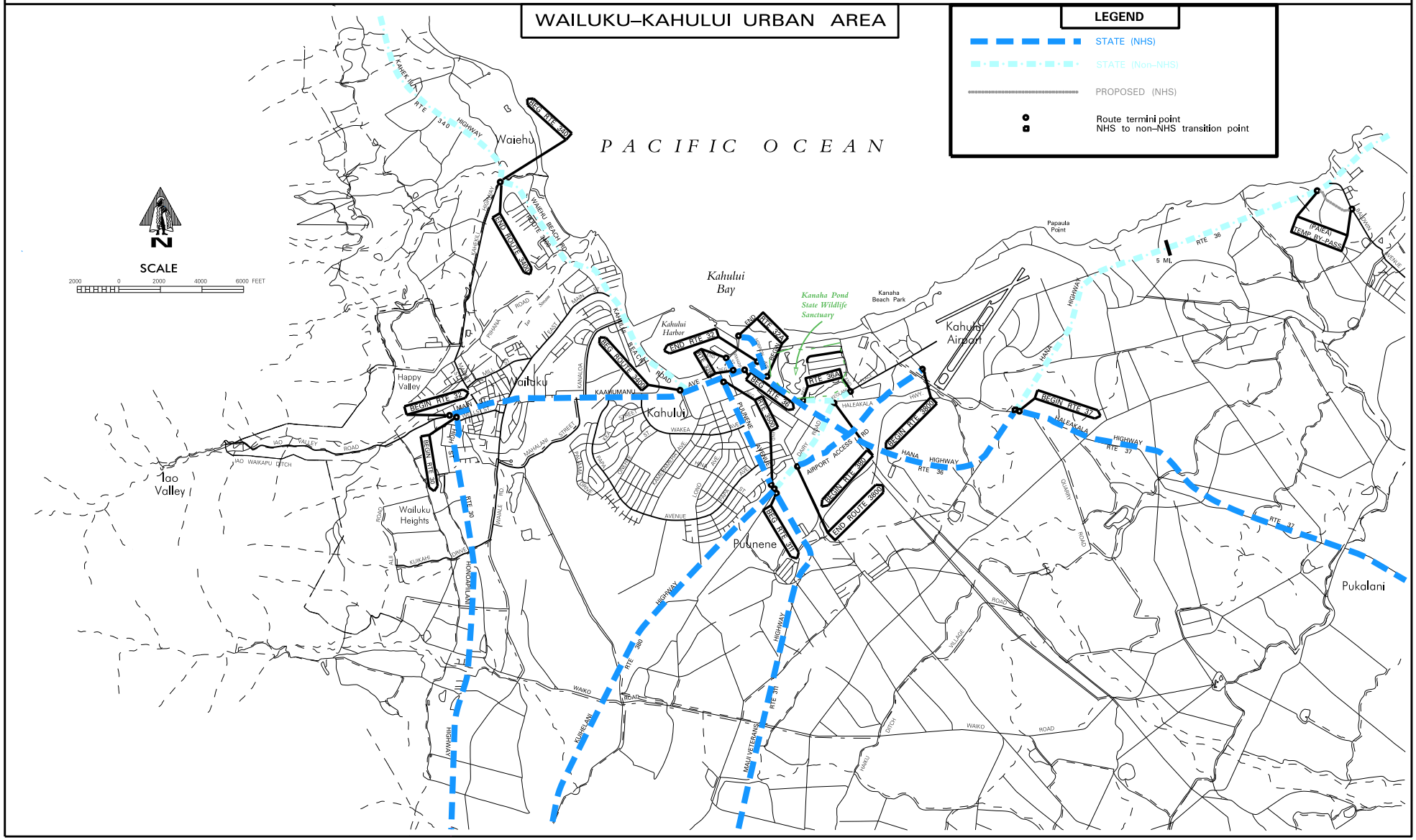
FEDERAL HIGHWAY ADMINISTRATION

DECEMBER 2020

## WAILUKU–KAHULUI URBAN AREA




| Date Released |
|---|
| Dec 2022 JK |
| **Revised** |
| Jan 04 DR |
| Jul 08 DR |
| Jul 11 DR |
| Jul 12 DR |
| May 13 DM |
| Dec 14 DM |
| Jan 16 DM |
| Dec 16 DM |
| Jul 18 DR |
| Nov 18 DR |
| Jul 19 DM |
| Dec 20 DM |
| | |
| | |
| | |


2

# STATE ROUTE SYSTEM

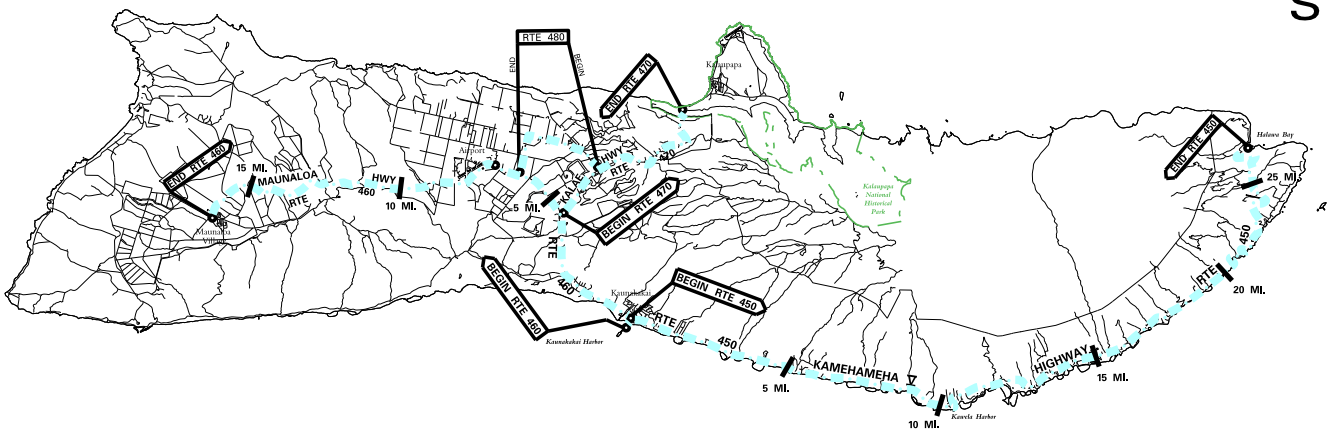
## COUNTY OF MAUI

### ISLANDS OF MOLOKAI & LANAI

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION

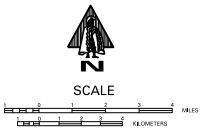
PREPARED BY THE HIGHWAYS DIVISION, PLANNING BRANCH
IN COOPERATION WITH THE U.S. DEPARTMENT OF TRANSPORTATION,
FEDERAL HIGHWAY ADMINISTRATION

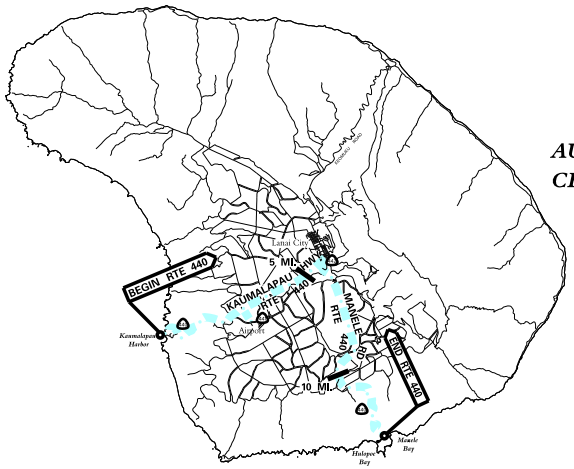
DECEMBER 2020




*KALOHI CHANNEL*

*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 terminl point

| Date Released | |
|---|---|
| Dec 2012 | JK |
| **Revised** | |
| Jun 04 | DB |
| May 05 | DB |
| Dec 09 | DB |
| Feb 11 | DB |
| Feb 12 | DB |
| May 13 | DJ |
| Dec 14 | DJ |
| Jun 16 | DJ |
| Dec 16 | DJ |
| Feb 18 | DB |
| Nov 18 | DB |
| Jun 20 | DJ |


③

# ROAD INVENTORY

# MAUI RTE 30

# HIGH ST. – HONOAPIILANI HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

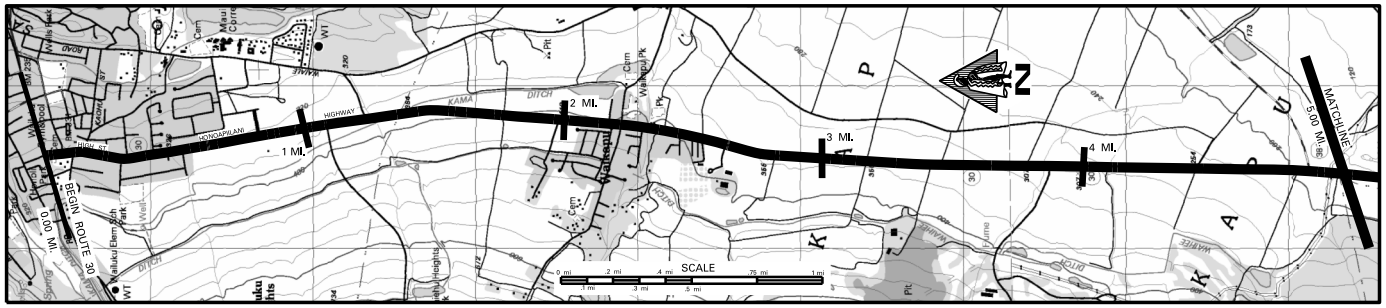
PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**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 — (BEGIN 30E ON HIGH ST. AT SOUTH OF THE CENTERLINE INTERSECTION WITH MAIN STREET.) 30E (0.32MI.) — (END 30D – 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'
- Horizontal Clearance: 24'; 38' S.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.

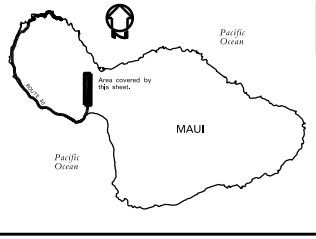
Right of Way Fence: Type – Right and Left: Pipe Fence; Stone Wall; Chain Link; None

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: 30DE–01–17M, (R), 2019; 30D–01–05, Resurf., 2006; NH–0900(080), 2014, Preventive Maintenance

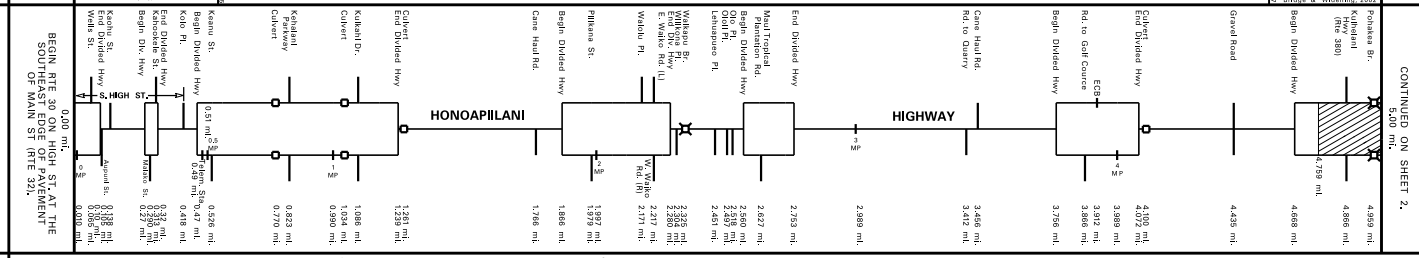
Project No., Type of Construction, and Year Constructed: STP–NH–0900(62), RESURF. 2004; STP–0900(50), Guardrail & Shoulder Imprv., 2002; BR–NH–030–1(24), Bridge & Widening, 2002




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP – Milepost Signage




SCALE: (In Miles) 4" = 1 mile

**Undivided**

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

**Divided Highway**

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

Number of Traffic Lanes

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number — 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: 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): P74 0030 00050; P74 0030 00486

HPMS Sections – AADT 2019: 14,100; 29,600

HPMS Sections – AADT 2018: 13,800; 20,342

HPMS Sections – AADT 2017: 14,342; 17,690

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
- HWY–A–02–01M, 1992 (R); 30D–01–02M (Resurface) 1982; 30C–01–02 M (R) 1993; RSG–0380(8) Traffic Signals; NH–030–1(25) R, 1996; 30D–01–82M R, 1982; County; FAP–33G 1936; 30B–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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

# ROAD INVENTORY

# MAUI RTE 30
# HONOAPIILANI HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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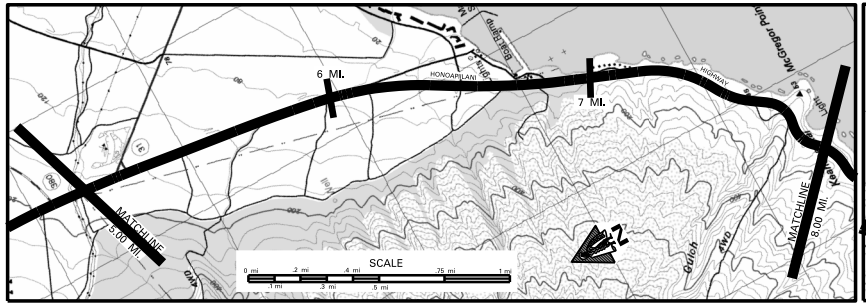
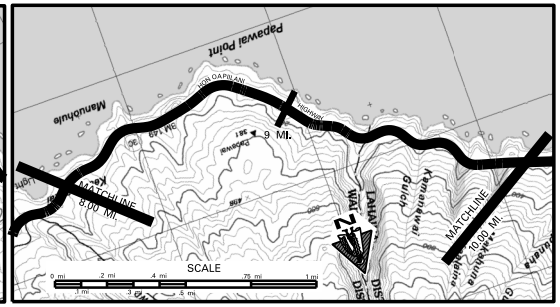
**Total Route Length:** 41.615 miles
- a. Survey Length: 41.615 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: 0.00 miles




SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description: 30 D (4.88 Mi.) — 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

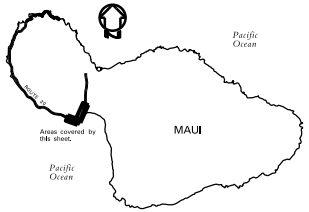
Right of Way Fence: Type – Right and Left: Wire on Wood | Wire on Wood | Wire on Wood | Wire on Wood | Wire | Rock Fill Protection

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

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

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

CONTINUED FROM SHEET 1.

5.00 mi. — North Kihei Rd. (Rte. 310) — Maalaea Rd. — Kapoli St. — Maui Ocean Center End Divided Hwy — Maalaea Rd. Spur — Maalaea Rd. Boat Harbor — Road to Maalaea Boat Harbor — Maluhiwa Bay Place — Paved Road — Road — Begin Divided Hwy — Scenic Lookout Entrances — End Divided Hwy — 10.00 mi.

HONOAPIILANI HIGHWAY

CONTINUED ON SHEET 3.

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 | 6'–8' AC (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'

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)

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

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

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

Traffic Stations (Current Year): B74 0030 00486 | P74 0030 01214

HPMS Sections – AADT 2019: 29,600 | 28,600

HPMS Sections – AADT 2018: 20,342 | 27,900

HPMS Sections – AADT 2017: 17,690 | 29,175 | 27,400

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 | NH–030–1(25) Resurface 1996 | HWY–A–01–89M (R) 2000 | (30C–01–92M (R) 1992) | (30D–01–92M (R) 1992) | 30C–01–88M (R) 1986 | 30C–01–88M (R) 1988 | ROS–030–1(14) Safety Imprv. 1979 | HES–STP–0900(120) 1994 | 30C–01–90M (R) 1990 | LT–M–01–78 (R) 1979 | ROS–030–1(12) 1977 | 30C–01–84(Shldr. Imprv.) 1985 | 30BC–01–70 1970 | 30BC–01–71 (R) 1971 | Resurf 1950 | 30C–01–79M Resurf 1975 | FAP – 13G 1936 | NRH – 13C 1934 | NRH – 13D 1935 | F–38(5) 1953 | (R–1) | (R–2) | (R–3)

SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| Aug 2003 | D.B. |

| Revised | |
|---|---|
| Aug 04 | D.B. |
| Nov. 06 | D.B. |
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| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

# ROAD INVENTORY
# MAUI RTE 30
# HONOAPIILANI HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH
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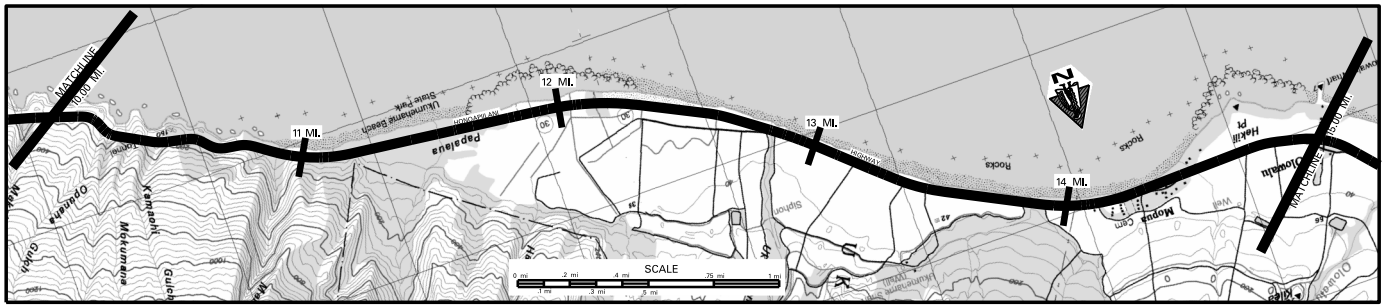
FEDERAL HIGHWAY ADMINISTRATION

**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; RC, Flat Slab H20, 1950
- Vertical Clearance: 15'
- Horizontal Clearance: 44'

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

Right of Way Width (min.–max.) If varies: (120'–490') 10.00; 80'–345'

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

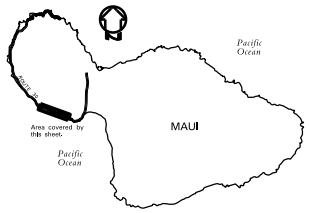
Right of Way Fence: Type – Right and Left: Rock Fall Protection; Wire

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; 10.00; 10.00; 13.34; 13.34; 15.00

Project No., Type of Construction, and Year Constructed: HSIP–030–1(055), Safety Improvements, 2020; (30C–01–06M, Resurf., 2008)

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




**Road Diagram**
* MP= Milepost Signage

CONTINUED FROM SHEET 2.

10.00 mi. ECB 10 MP; Begin Tunnel; End Tunnel; 10.5 MP; ECB; 11 MP; 11.5 MP; Ukumehame Firing Range; Culvert; Begin Divided Hwy; Ukumehame Park; ECB (R); 12 MP; Ukumehame Beach Parking Lot; Tdm. Station 030121; 12.5 MP; Paved Road; Ukumehame Br. End Divided Hwy; 13 MP; Begin Divided Hwy; Enehene St. (Private); End Divided Hwy; 13.5 MP; HONOAPIILANI HIGHWAY; ECB; 14 MP; Paved Road; Begin Divided Hwy; Paved Road; 14.5 MP; Luawai St.; Begin Divided Hwy; End Divided Hwy; 15 MP; 15.00 mi.

10.017 mi. 10.007 mi. 10.325 mi. 10.385 mi. 10.477 mi. 10.928 mi. 10.997 mi. 11.458 mi. 11.703 mi. 11.895 mi. 11.995 mi. 12.048 mi. 12.081 mi. 12.162 mi. 12.437 mi. 12.458 mi. 12.655 mi. 12.789 mi. 12.983 mi. 13.013 mi. 13.175 mi. 13.484 mi. 13.490 mi. 13.961 mi. 14.017 mi. 14.286 mi. 14.383 mi. 14.431 mi. 14.528 mi. 14.598 mi. 14.737 mi. 14.773 mi. 14.977 mi.

CONTINUED ON SHEET 4.

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
- 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
- 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

Illumination: Type, Location and Number — Concrete Guardrail – Type 4K

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); 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): P74 0030 01214

HPMS Sections – AADT 2019: 28,600

HPMS Sections – AADT 2018: 27,900

HPMS Sections – AADT 2017: 27,400

DOD Sections

Census Tracts

Functional Classification: Principal Arterial (3)

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

Previous Projects: Project No., Date and Limits
- (NH–030–2(5), (R) 1996); NH–030–1(047) PAVE, PREV, MAIN, 2014; (HES–STP–030–0199)
- HWY–M–01–99M (R), 2000; 30C–01–06M, (R), 1990; 30AC–01–87M (R) 1988; STP–030–(2)(R) 1994
- L1–M–01–78 (R) 1979; ROS–030–1(12) 1977; ROS–030–1(14) 1979 Safety Improv.; 30C–01–78 (Guardrail & Shldr.) 1981; 30C–01–78 (GR/Shldr.) 1981; 30AC–01–87M (R) 1988; 30C–01–78 (L.R.& Shldr., 1981
- (F–30(5) 1953); 30C–01–76M (R) 1975; F–30(3) 1950; F–30(3) 1951; 30C–02–72 (R) 1972
- (F–30(5) 1953); 30C–01–76M

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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan. 21 | E.P.J. |

ROAD INVENTORY

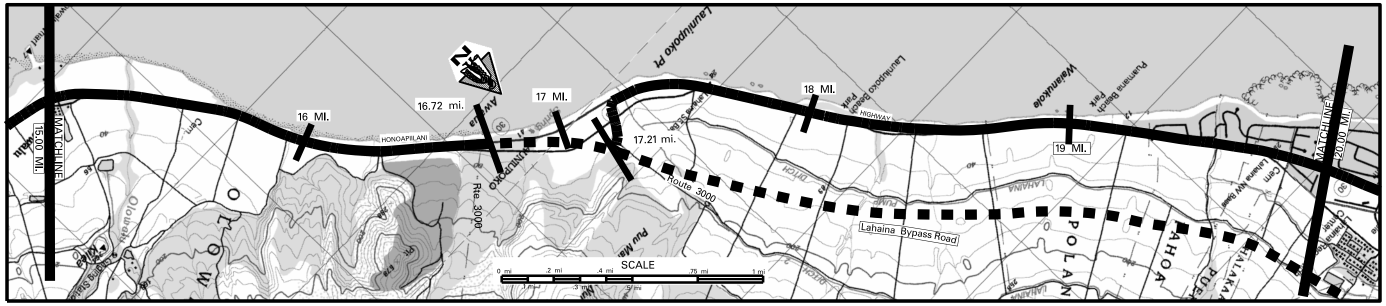
# MAUI RTE 30
# HONOAPIILANI HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

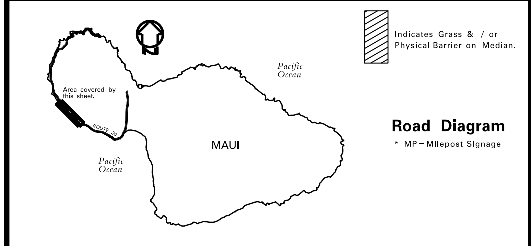
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

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

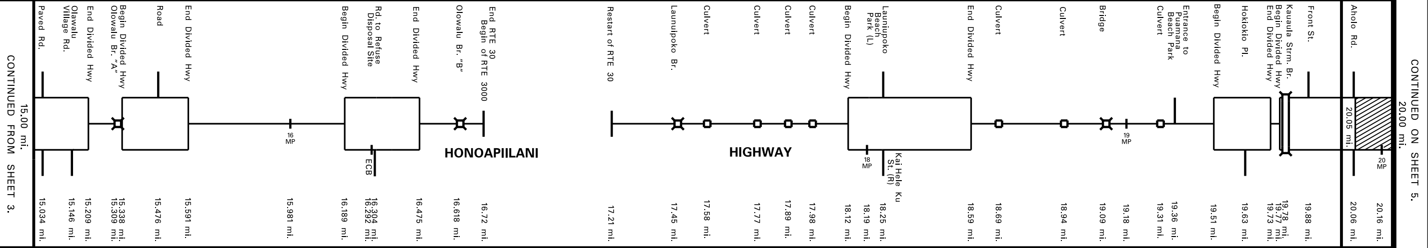
| Item | 15 – 20 |
|---|---|
| Maintenance Control Sections : Length and Description | 30 C (15.33 MI.) |
| Structure Carrying Road – Bridges (Over 20'): Length, Type, Capacity and Year Constructed | RC, Flat Slab H15, 1938, 62' <br> RC Flat Slab, 1938, H15, 26' <br> RC Flat Slab, 1938, H15, 42' <br> Conc. Slab, 1971, HS 20, 27' |
| Structure Carrying Road – Vertical Clearance | 15.31 <br> 16.62 <br> 17.26 <br> 19.59 |
| Structure Carrying Road – Horizontal Clearance | 24' <br> 24' <br> 24' <br> 44' |
| Structure Over Road – Vertical Clearance | |
| Structure Over Road – Horizontal Clearance | |
| Right of Way Width (min.–max.) if varies | 80'–345' \| 15.24 \| 70'–80' \| 17.84 \| 76'–280' |
| Available Right of Way Width (Needs Study) | Canefield 1000' Clear – 40' from E.P. \| 16.13 \| Trees & Heavy Bushes \| 18.00 \| (R) 1000' Clear Cane Field, 50' from E.P. (L) Beaches & Residential Area |
| Right of Way Fence: Type – Right and Left | 19.08 – .16 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 <br> 155+50 <br> 128+00 <br> (STP–030–1(39), Widening, 2011) |
| Project No., Type of Construction, and Year Constructed | ← 15.20 HSIP–030–1(055), Safety Improvements, 2020 <br> 30C–01–06–M, Resurf., 2008 <br> 19.35 <br> 19.52 <br> ← .60 (STP–0900(53) G.R./Shldr., 2002) <br> 19.85 |
| Project No., Type of Construction, and Year Constructed | STP–0900(53), Guardrail & Shoulder Improvements, 2002 \| 19.14 \| 19.34 \| 30ABC–01–97M, R, 1998 |



▨ Indicates Grass & / or Physical Barrier on Median.

## Road Diagram

* MP=Milepost Signage



| Feature | Milepoint |
|---|---|
| Paved Rd. | 15.034 mi. |
| Olawalu Village Rd. | 15.146 mi. |
| End Divided Hwy | 15.209 mi. |
| Begin Divided Hwy <br> Olowalu Br. "A" | 15.338 mi. <br> 15.309 mi. |
| Road | 15.476 mi. |
| End Divided Hwy | 15.591 mi. |
| | 15.981 mi. |
| Begin Divided Hwy | 16.189 mi. |
| Rd. to Refuse Disposal Site | 16.304 mi. <br> 16.292 mi. |
| End Divided Hwy | 16.475 mi. |
| Olowalu Br. "B" | 16.618 mi. |
| End RTE 30 Begin of RTE 3000 | 16.72 mi. |
| Restart of RTE 30 | 17.21 mi. |
| Launuipoko Br. | 17.45 mi. |
| Culvert | 17.58 mi. |
| Culvert | 17.77 mi. |
| Culvert | 17.89 mi. |
| Culvert | 17.98 mi. |
| Begin Divided Hwy | 18.12 mi. |
| | 18.19 mi. |
| Launiupoko Beach Park (L) <br> Kai Hele Ku St. (R) | 18.25 mi. |
| End Divided Hwy | 18.59 mi. |
| Culvert | 18.69 mi. |
| Culvert | 18.94 mi. |
| Bridge | 19.09 mi. |
| | 19.18 mi. |
| Culvert | 19.31 mi. |
| Entrance to Puamana Beach Park | 19.36 mi. |
| Begin Divided Hwy | 19.51 mi. |
| Hokiokio Pl. | 19.63 mi. |
| End Divided Hwy <br> Begin Divided Hwy <br> Kauaula Strm. Br. | 19.73 mi. <br> 19.77 mi. <br> 19.78 mi. |
| Front St. | 19.88 mi. |
| Aholo Rd. | 20.06 mi. |
| | 20.16 mi. |

SCALE: (In Miles) 4" = 1 mile

| Item | 15 – 20 |
|---|---|
| Divided Highway – Undivided – Shoulder: Width and Type (Combination Shldr/Bikelane from 6.83 mi. to 19.86 mi.) | 4' AC/10' Grass \| 15.18 \| 6' AC \| 8' AC \| 6' AC \| 15.85 \| 10' AC \| 8' AC \| .07 \| 6' AC \| .62 \| 8' AC \| .37 \| 4'–6' AC \| .65 \| 8' AC \| .06 \| 6' AC |
| Undivided – 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 \| .05 \| 11' AC |
| Undivided – 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 \| .98 \| 6' AC \| .42 \| 0 \| ← (6'–8' AC) 0 |
| Median: Width and Type / Median Barriers: | 0–10' Painted AC \| 15.209 \| 15.338 \| 0'–3' Painted AC \| 15.591 \| 16.189 \| 0–11' Painted AC \| 16.475 \| .12 \| 10' Paint \| .59 \| .51 \| 0'–10' Painted AC \| .73 \| .77 \| 10' Paint \| .06 \| 12' Raised Trees & Shrubs w/ Curbs |
| Shoulder: Width and Type | 0 \| 0 \| 0 \| 0 \| 0 \| 0 |
| Pavement: Width and Type | 12' AC \| 12' AC \| 12' AC \| 12' AC \| 12' AC \| 12' AC \| .05 \| 22' AC |
| Shoulder: Width and Type | 6'–8' AC \| 10'–12' AC \| 6'–8' AC \| 6'–8' AC \| 6'–8' AC \| 6'–8' AC \| .06 \| 6'–8' AC |
| Number of Traffic Lanes | 2–12' \| .05 \| 1–11' <br> 2–11' |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | .034 – .158 10' T.L.s \| .476 \| .304 – .374 11' T.L. \| .19 – .33 \| .63 – .69 \| 10' T.L.s \| .05 |
| (Right Side) | .034 \| .436 – .540 10' T.L.s \| .17 – .25 – .32 \| .51 – .63 – .70 \| .73 – .88 \| .01 \| .08 \| .13 \| .19 |
| Frontage Road: No. of Lanes, and Width (Right and Left) | |
| Sidewalk: Width and Type (Right and Left) | .06 ← (5' Conc. S.W.) |
| Curb and/or Gutter: Type (Right and Left) | .06 Conc. Curb |
| Protective Devices: Type, Location and Number (All Metal Rails on Metal Posts unless otherwise noted. CB=Concrete Barrier) | .377 \| .436 – .561 \| .701 – .733 CB .893 \| .920 – .956 \| .258 – .380 \| .454 – .577 \| .598 – .673 \| .821 – .855 \| .907 CB .045 \| .172 – .296 \| .345 – .442 \| .06 – .39 CB .50 – .57 CB .62 – .14 \| .18 – .27 \| .76 \| CB |
| Illumination: Type, Location and Number | .082 \| .159 – .831 \| .926 – .955 \| .304 – .348 \| .562 – .657 \| .810 – .854 \| .231 – .298 \| .14 – .33 CB .57 .60 \| .66 – .77 \| .05 – .14 \| .76 – .80 \| .05 CB |
| 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 \| 15.40 \| B \| 15.75 \| A \| 16.22 \| B \| 16.54 \| A \| .47 \| B \| .56 \| A \| .00 \| B \| .09 \| A \| .43 \| B \| .57 \| A \| .17 \| B \| .27 \| A \| .39 \| B |
| Vertical Curve: Crest or Sag, Curve Limits | |
| Area and Development: | Rural (99999) \| .650 \| Small Urban (99998) |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | Flat (1) |
| Speed: 1–Design, 2–Posted | 35 MPH (2) \| .269 \| 45 MPH (2) \| .255 \| 45 MPH (Min. 35 MPH) (2) \| .009 \| 35 MPH (2) <br> .184 \| 45 MPH (Minimum35) (2) \| .379 \| 45 MPH (2) \| .993 |
| Intersection Control Devices: Type, Location and Cycle Timing | |
| Traffic Stations (Current Year) | P74 0030 01214 \| 17.65 \| B74 0030 01917 \| 19.68 \| B74 0030 02077 |
| HPMS Sections – AADT 2019 | 28,600 \| 12,300 \| 22,600 |
| HPMS Sections – AADT 2018 | 27,900 \| 11,000 \| 38,259 |
| HPMS Sections – AADT 2017 | 27,400 \| 18,872 \| 36,109 |
| DOD Sections | |
| Census Tracts | |
| Functional Classification | Principal Arterial (3) \| 19.69 \| Minor Arterial (4) |
| National Highway System (NHS) | On NHS (1) \| (NHS diverted to bypass @ 19.68 mi. (Proposed Lahaina Bypass is all NHS)) — 19.68 → |
| Previous Projects: Project No., Date and Limits | (HES–STP–030–1(19)) → 15.24 STP–030–1(21), R, 1994 \| 19.34 <br> STP–030–(21) (R) 1994 \| 19.60 \| 30–BC–01–87M (R) 1987 <br> 15.33 30C–02–90 (GR & Shldr), 1991 \| 17.91 \| 30BC–02–86 Improvements, 1987 <br> ← 15.18 (30C–01–78 GR &Shldr, 1981) \| 30C–01–82M (R) 1982 \| 16.20 \| 30C–01–85M (R) 1985 \| 19.49 \| F–30(1) 1957 <br> 30C–02–72 Resurface 1972 \| 16.83 \| F–30(1) 1957 <br> F–30(3) 1950 \| 15.27 \| F–30(4) 1951 \| 17.84 \| F–30–1(1) 1956 <br> 0+00 \| 136+50 \| 0+00 \| 235+90.71 |

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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

ROAD INVENTORY

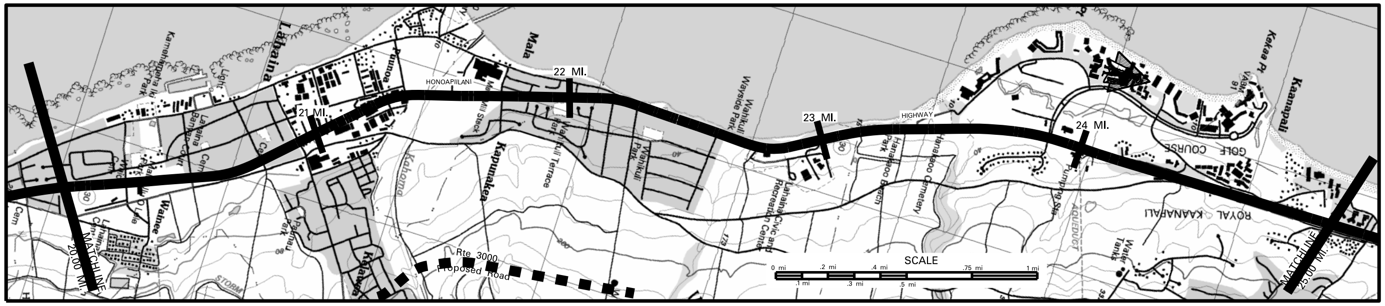
# MAUI RTE 30
# HONOAPIILANI HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

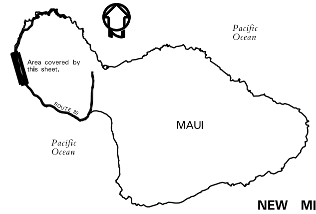
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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 · 21 · 22 · 23 · 24 · 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 · 44′ (21.48) · Tee Beam 1969 (23.58) · Pre Stressed Concrete Girder HS-20-44, 1969,1999 · 45′-4″ (24.41) |
| Vertical Clearance | |
| Horizontal Clearance | 44′ |
| Structure Over Road: Vertical Clearance | 16.8′ · 16.5′ |
| Horizontal Clearance | 47′ · 74′ |
| Right of Way Width (min.-max.) if varies | 76′-280′ · 22.40 · 80′-190′ |
| Available Right of Way Width (Needs Study) | (R) 1000′ Clear Cane Field, 50′ from E.P.<br>(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 · 41+18.54 · 28+67.44 · State · 86+00 |
| Project No., Type of Construction, and Year Constructed | STP-030-1(39), Widening, 2011 · 20.91 · 20.92 · 21.49 · 30B-01-16, 2019 HWY IMPRV. · 21.73 · 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 · HWY-M-07-07M, Marking and Striping, 2008 · 20.92 · 71+91 · STP-030-1(048),Pav. Prev. Maintenance,2015 · 23.98 · 86+00 · STP-030-1(31) (Resurf & Widen) 1999 |

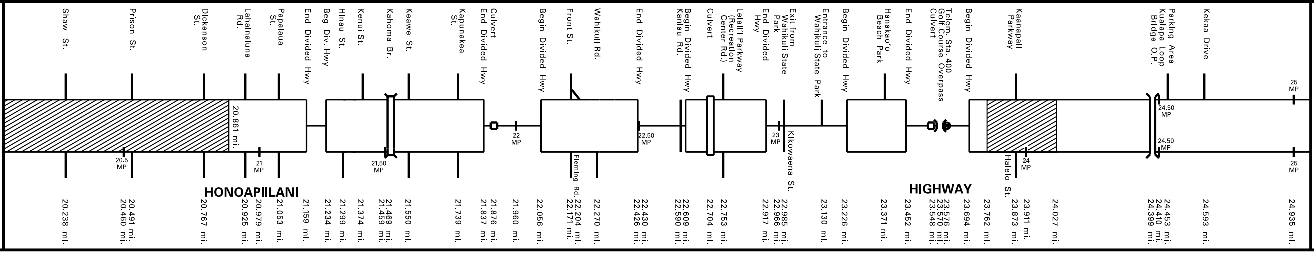


▨ Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**
* MP=Milepost Signage

**NEW MILEAGE = (x) + 0.2 mi**

CONTINUED FROM SHEET 4.
20.00 mi.



CONTINUED ON SHEET 6.
25.00 mi.

| | |
|---|---|
| SCALE: (In Miles) 4″ = 1 mile | 20 · 21 · 22 · 23 · 24 · 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 Highway: 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 |
| Median Barriers: | |
| Shoulder: Width and Type | 0 · 0 · 0 · 0 · 0 · (10′-38′ Grass (Raised)) · 0 |
| Pavement: Width and Type | 22′ AC · 22′ AC · 22′ AC · 22′ AC · 22′ AC · 22′ AC · .987 · (10′-38′ Grass (Flush)) · 24′ AC |
| Shoulder: Width and Type * (Combination Shldr/Bike Route from 6.83mi. to 19.86 mi., 20.93 mi. to 31.20mi.) | 6′-8′ AC · 20.93 → *6′-8′ AC · *6′-8′ AC · *6′-8′ AC · *6′-8′ AC · *6′-8′ AC · (10′-38′ Grass (Raised)) · *6′-8′ AC |
| Number of Traffic Lanes | 4-11′ · .987 · 4-11′ · 4-12′ |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | .238 · .300 · .767 · .820 · .001 · .107 · .299 · .360 · 2-10.5′ · .65 · .739 · .784 · 11′ (L) T.L. · .171 · 11′ (L) T.L. · .344 · 11′ T.L. · .753 · .800 · .371 · 1-11′ (L) T.L. · 1-11′ Accel. Ln. · .873 · .987 · .981 · 11′ (R) T.L. · .414 · .453 · .513 |
| (Right Side) | .124 · .437 · .490 · .717 · .861 · .925 · .977 · .053 · .472 · .495 · .550 · .69 · 10′ · 11′ (L) T.L. · .112 · .244 · .270 · 11′ T.L. · .694 · 11′ T.L. · .312 · .422 · .676 · 2 (L) T.L.s @ 11′ ea · .515 · .593 · 11′ T.L.s |
| Frontage Road: No. of Lanes, and Width (Right and Left) | |
| Sidewalk: Width and Type (Right and Left) | 5′ Conc. S.W. · .925 · MCB |
| Curb and/or Gutter: Type (Right and Left) | Conc. Curb · .925 · .148 · .163 · .374 · .460 · .474 · .491 · .522 · .747 · .171 · .205 · .346 · .425 · .871 · .953 · .976 · .124 · .337 · .377 · .597 · .955 · .112 · 3′ Concrete Gutter · .599 · .142 · 3′ Concrete Gutter · .922 |
| 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 · Wood/Conc. · .159 · .412 · .491 · .562 · .587 · .716 · .804<br>CB · .031 · .225 · .490 · .519 · .529 · .548 · .590 · .736 · .798 · CB · .873 · .955 · .985 · .428 · .466 · .485 · .499 · .652 · .716 · .768 · CB · .824 · .936 · .028 · CB · .146 · .181 · CB (Conc. Retaining Wall) · .233 · .504 · .557 · .596 · .678 · .723 · .786 · CB · .860 · .125 · .171 · .515 · .559 · .584 · CB · .627 · .633 · CB · .834 · .115 · .841 |
| Illumination: Type, Location and Number | 2 250W HPS · 20.78 · 23.90 · 28 250W HPS @ Intersections from 23.90mi. to 26.11mi. |
| Curves Class: +/- Degree (A(0-3.45) B(3.45-5.44) C(5.44-8.48) D(8.48-13.85) E(13.85-28.62) F(<28.62) | A · MCB · 22.75 · B · 22.83 · .578 · 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 02077 · 21.55 · P74 0000 00400 · 23.87 · B74 0030 02387 |
| HPMS Sections - AADT 2019 | 22,600 · 44,800 · 33,300 |
| HPMS Sections - AADT 2018 | 38,259 · 43,700 · 33,681 |
| HPMS Sections - AADT 2017 | 36,109 · 43,800 · 32,155 |
| 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 | 20.20 · HWY-M-07-07M, Marking and Striping, 2008 · 23.94 |
| | 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 · 21 · 22 · 23 · 24 · 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.* |
| *Feb. 18* | *D.B.* |
| *Nov. 18* | *D.B.* |
| *Jan 21* | *E.P.J.* |

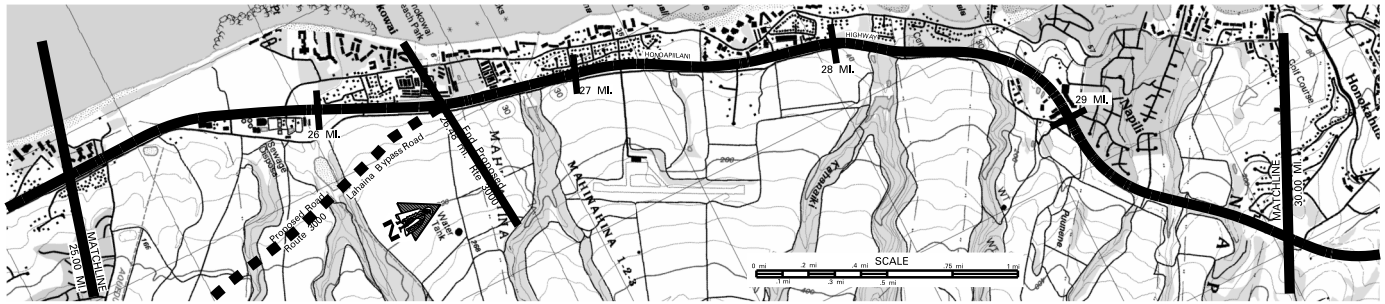
# ROAD INVENTORY

# 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.)

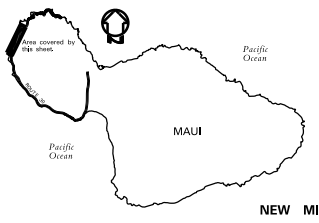
**Structure Carrying Road**

| | |
|---|---|
| Bridges (Over 20'): Length, Type, Capacity and Year Constructed | Tee Beam HS 20–44 1926,1967,1999 |
| Vertical Clearance | 50' |
| Horizontal Clearance | 68' |

**Structure Over Road**

| | |
|---|---|
| Vertical Clearance | |
| Horizontal Clearance | |

| | |
|---|---|
| Prestressed I–Beam HS–20–44 1981 | |
| Vertical Clearance | 74' |
| Horizontal Clearance | 47' |
| 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) | Residential/Recreation: Clear – Canefield 15' from E.P. / Residential |
| Right of Way Fence: Type – Right and Left | Chain Link / 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) | 09-22-80 / 09-00-AR / State / 107-56 / 107-56 |
| Project No., Type of Construction, and Year Constructed | STP–030–1(049), Preventive Maintenance, 2014 / STP–030–1(046), R, 2012 / 112-56 / 112-56 / 30A–01–10M, R, 2012 / 30A–01–10M, R, 2012 |
| Project No., Type of Construction, and Year Constructed | STP–030–1(131) 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

**NEW MILEAGE = (x) + 0.2 mi**

CONTINUED FROM SHEET 5. 25.00 mi.

Kai Ala Dr. / Kaka'alaneo Dr. / Halewai Dr. / Lower Honoapiilani Rd. / Honokowai Br. / End Divided Hwy / Cane Haul Rd. / Cane Haul Rd. (Re 3000) End Proposed Rd. (Lahaina Bypass) / ECB (L) / Begin Divided Hwy / Akahele St. / End Divided Hwy / Begin Divided Hwy / Ala Hoku Pl. / Hoohui St. / End Divided Hwy / Ent. to Kahana Gateway / Kahana Nui Rd. / Kahana Kai Br. / Cane Haul Rd. (Hui Rd.) / ECB (R) / Culvert / Begin Divided Hwy / Road / Napilihau St. / End Divided Hwy / Begin Divided Hwy / Maina St. & Tractor–Xing / Begin Divided Hwy / Street & Tractor–Xing / Begin Divided Hwy / Parvel Rd. / Begin Divided Hwy

HONOAPIILANI HIGHWAY

CONTINUED ON SHEET 7. 30.00 mi.

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 / 3 Phase / 4 Phase / 3 Phase |
| Traffic Stations (Current Year) | B74 0030 02387 / B74 0030 02588 / B74 0030 02816 / P74 0030 02957 |
| HPMS Sections – AADT 2019 | 33,300 / 19,400 / 15,500 / 8,500 |
| HPMS Sections – AADT 2018 | 33,681 / 20,448 / 14,800 / 8,100 |
| HPMS Sections – AADT 2017 | 32,155 / 19,790 / 15,483 / 8,000 |
| 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 | |

| 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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

SCALE: (In Miles) 4" = 1 mile

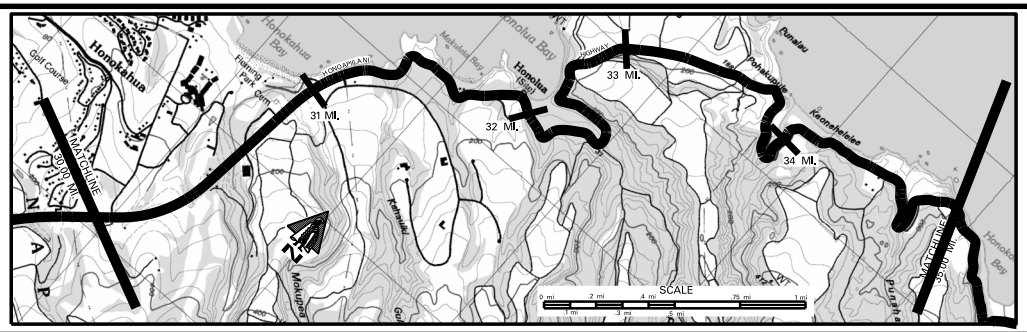
# ROAD INVENTORY

# MAUI RTE 30
# HONOAPIILANI HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

**Total Route Length:** 41.615 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

30 31 32 33 34 35

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

**Structure Carrying Road**

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

Vertical Clearance

Horizontal Clearance: 52'; 17'

**Structure Over Road**

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.-max.) If varies: (300'-400') 40'

Available Right of Way Width (Needs Study): Residential; Heavy Brush, Trees & Rocks; 1000' Clear Pineapple Fields 15' form E.P.; Heavy Brush & Rock

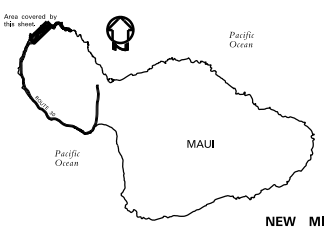
Right of Way Fence: Type - Right and Left: Chain Link; Wire on Wood

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

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

Project No., Type of Construction, and Year Constructed: 30A-01-10M, R, 2012; 30A-01-16M, (R), 2018

Project No., Type of Construction, and Year Constructed: 30A-01-97M (Resurf.) 1998; 30A-01-91M (R) 1992




**Road Diagram**
* MP - Milepost Signage

**NEW MILEAGE = (x) + 0.2 mi**

CONTINUED FROM SHEET 6.

30.00 mi.

Kapalua Village Golf Course; End Divided Hwy; Culvert; Honokahua Strm. Br.; Access Rd. "A"; Culvert Beg Divided Hwy; Lower Honoapiilani Hwy; Access to Pineapple Estate Dr.; End Divided Hwy; Lookout Access Rds.; Lookout (L); Honolua Pl.; Lookout Access Rds.; Honolua Br.; Pineapple Field Rd.; Dirt Road; Culvert; Pullout; Pullout; Culvert

HONOAPIILANI HIGHWAY

MP (L) 32; MP (L) 32.50; MP (R) 33; MP (L) 33.50; MP (R) 34; MP (L) 34.50; MP (R) 35; MP (L) 35.50; 31 MP

30.054 mi. 30.165 mi. 30.372 mi. 30.552 mi. 30.667 mi. 30.823 mi. 30.900 mi. 30.927 mi. 30.974 mi. 31.027 mi. 31.122 mi. 31.192 mi. 31.444 mi. 31.418 mi. 31.49 mi. 31.622 mi. 31.819 mi. 31.842 mi. 31.899 mi. 32.357 mi. 32.52 mi. 33.02 mi. 33.198 mi. 33.54 mi. 33.651 mi. 33.892 mi. 34.04 mi. 34.214 mi. 34.291 mi. 34.42 mi. 34.702 mi. 34.92 mi.

CONTINUED ON SHEET 8.

35.00 mi.

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; 8' 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; 24' PCC; 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

Median: Width and Type: 12' Painted AC; 12' Painted AC

Median Barriers:

**Divided Highway — Undivided**

Shoulder: Width and Type: 0; 0

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

Shoulder: Width and Type *(Combination Shldr./Bike Route to 31.20 mi. - see arrows): *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' T.L.; 10' Median Lanes; 10' T.L.; 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): 5' Conc. Gutter; Curb; Curb; Conc. Gutter; Curb; Conc. Gutter; 5' Conc. Gutter

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

Illumination: Type, Location and Number

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: 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): IP74 0030 029571; B74 0030 03005

HPMS Sections - AADT 2019: (8,500); 4,100

HPMS Sections - AADT 2018: (8,100); 4,000

HPMS Sections - AADT 2017: (8,000); 4,386

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) 30.05; F-030-2(18) 1986 New Construction; 31.19; A 300-01-66 (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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

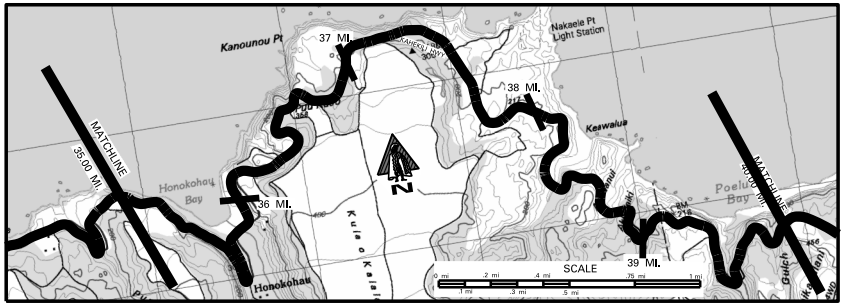
ROAD INVENTORY

# 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



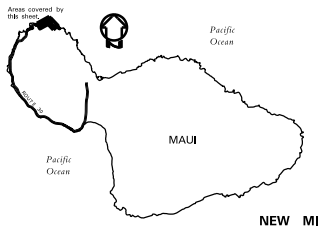

SCALE: (In Miles) 4" = 1 mile — 35 | 36 | 37 | 38 | 39 | 40

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

**Structure Carrying Road**
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: Concrete Girder 1924 (1966) HS–20; Timber Stringer 1924 H–10
- Vertical Clearance: 76'; 22'
- Horizontal Clearance: 26'; 13'

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

**Right of Way Width (min.–max.) If varies:** 40'
**Available Right of Way Width (Needs Study)**
**Right of Way Fence: Type – Right and Left:** Chain on Wood; Wire on Wood
**Control of Access: 1–None, 2–Partial, 3–Full:** None
**Jurisdiction, Transfer Phase No. and Date (C to S or S to C):** State
**Project No., Type of Construction, and Year Constructed:** 30A–01–16M (R) 2018; 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

NEW MILEAGE = (x) + 0.2 mi

CONTINUED FROM SHEET 7.

35.00 mi.

HONOAPIILANI HWY — KAHEKILI HIGHWAY

Honokohau Valley Rd. | Honokohau Br. | Road | Cattle Guard | Nakaele Point Light Station | Culvert | Bridge (Anakalualuhine Stream) | Culvert | Cattle Guard & Kahakuloa Management Area Sign | Culvert

36 MP (R) | 36.50 MP | 37 MP | 37.50 MP | 38 MP | 38.50 MP | 39 MP | 39.50 MP | 40 MP | 40.50 MP

35.46 mi. | 35.652 mi. | 35.827 mi. | 35.924 mi. | 36.169 mi. | 36.465 mi. | 36.943 mi. | 37.279 mi. | 37.513 mi. | 37.494 mi. | 37.912 mi. | 37.869 mi. | 38.415 mi. | 38.531 mi. | 38.932 mi. | 39.054 mi. | 39.190 mi. | 39.190 mi. | 39.545 mi. | 39.592 mi. | 39.948 mi.

Wailuku – Lahaina District Boundary

CONTINUED ON SHEET 9.

40.00 mi.

SCALE: (In Miles) 4" = 1 mile — 35 | 36 | 37 | 38 | 39 | 40

**Undivided Highway**
- Shoulder: Width and Type: 2' AC; 8'–10' Dirt; 2' AC; 2' AC/6' Grav.; 2' AC
- Pavement: Width and Type: 22' AC
- Shoulder: Width and Type: 2' AC; 2' AC/6' Dirt; 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):** AC Curb; 2' AC Gutter; 2' 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**
**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 2019:** 4,100
**HPMS Sections – AADT 2018:** 4,000
**HPMS Sections – AADT 2017:** 4,386
**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) 1998; 3400–01–03M (R) 1994; 3300–03–70 1970; 3400–02–72, 1976; A 300–01–66 (R) 1968; County

SCALE: (In Miles) 4" = 1 mile — 35 | 36 | 37 | 38 | 39 | 40

| Date Released | |
|---|---|
| Aug 2003 | D.B. |

| Revised | |
|---|---|
| Aug 04 | D.B. |
| Mar. 05 | D.B. |
| Nov. 06 | D.B. |
| Mar. 09 | D.B. |
| Dec. 09 | D.B. |
| Feb. 11 | D.B. |
| Feb. 12 | D.B. |
| Feb. 13 | E.P.J. |
| Dec. 13 | E.P.J. |
| July 14 | D.B. |
| Jan 16 | E.P.J. |
| Jan 17 | E.P.J. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

# ROAD INVENTORY

# MAUI RTE 30
# KAHEKILI HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

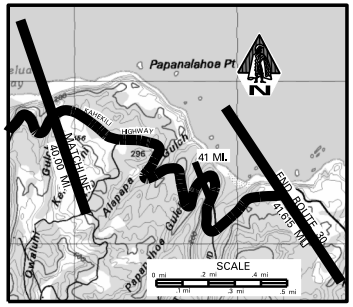
PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**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' (41.261)

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)

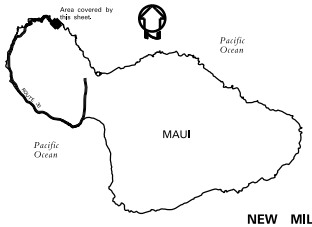
Right of Way Fence: Type – Right and Left

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 (2028-10)

Project No., Type of Construction, and Year Constructed — 30A–01–07M, Repairs and Maintenance, 2008 (2011-12)




**Road Diagram**
* MP – Milepost Signage

NEW MILEAGE = (x) + 0.2 mi

CONTINUED FROM SHEET 8.

40.00 mi.

Culvert — 40.135 mi.

KAHEKILI HIGHWAY

41 MP — 40.578 mi.

41.50 MP — 40.945 mi.

Bridge (Papanahoa Strm.) — 41.261 mi.

* 41.615 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH 2018 VIDEOLOG MILEAGE DUE TO REALIGNMENT & '14 FEATURES DATABASE.

END RTE 30 ON KAHEKILI HIGHWAY 0.2 MI. E OF PAPANAHOA STRM. BRIDGE @ END OF STATE HWY SIGNS.

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'–6' 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 2019 — 4,100

HPMS Sections – AADT 2018 — 4,000

HPMS Sections – AADT 2017 — 4,386

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–01–25M (Resurface) 1996
340A–03–72, 1976
County

SCALE: (In Miles) 4" = 1 mile

40 | 41 | 42 | 43 | 44 | 45

| Date Released | |
|---|---|
| Aug 2003 | D.B. |

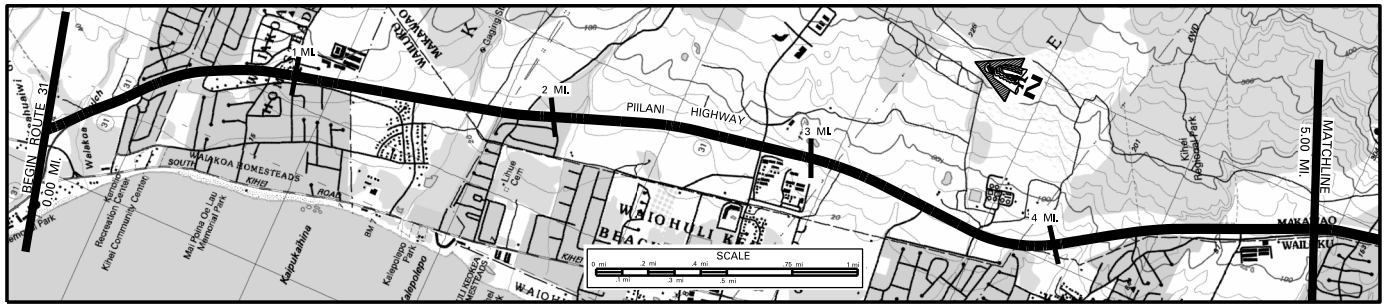
| Revised | |
|---|---|
| Aug 04 | D.B. |
| Mar. 05 | D.B. |
| Nov. 06 | D.B. |
| Mar. 09 | D.B. |
| Dec. 09 | D.B. |
| Feb. 11 | D.B. |
| Feb. 12 | D.B. |
| Sept. 12 | E.P.J. |
| Dec. 13 | E.P.J. |
| July 14 | D.B. |
| Jan 16 | E.P.J. |
| Jan 17 | E.P.J. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | 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

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

Structure Carrying Road — Vertical Clearance

Structure Carrying Road — Horizontal Clearance
N.B. 67'-6"
S.B. 48' — 48' — 48' — 48'

Structure Over Road — Vertical Clearance

Structure Over Road — Horizontal Clearance

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

Available Right of Way Width (Needs Study)

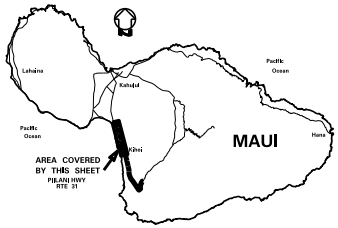
Right of Way Fence: Type – Right and Left: WIRE FENCE — WIRE FENCE — CHAINLINK

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-4311(4) WIDEN, 2008 — STP-0900(58), GUARDRAIL & SHOULDER IMPR., 2004 — 31A-01-07M, RESURFACE, 2009 — ARR-031-1(11), PREVENTIVE MAINTENANCE, 2010 — (31AS-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 CIRCLE NO. 1 INTERSECTION WITH NORTH KIHEI RD. (RTE 310) (SAME AS END RTE 311 MOLULELE HWY)

0.00 mi. Waikaua–Uka 0.142 mi. — Waikalhine St — Mel Place — Olokalé Road — End Divided — Manao Kalé Road — Begin Divided — Keonoulu Street — End Divided — Begin Divided — Kulanihakoi Street — End Divided — Begin Divided — Waipuhiani Gulch Bridge — End Divided — E. Waiuluani Rd. — Begin Divided — Piikea Avenue — End Divided — Lipoa Pkwy — End Divided — Begin Divided — Waiakahan Rd — Old Welekahao RD — End Divided — Begin Divided — Kenani Rd — End Divided — Begin Divided — Alamai Ke Alii Dr — End Divided — CONTINUE ON SHEET #2. 5.00 mi.

PIILANI HIGHWAY

Waikaua Gulch Bridge 0.158 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. — 1.756 mi. — 1.871 mi. — 2.019 mi. — 2.084 mi. — 2.094 mi. — 2.256 mi. — 2.412 mi. — 2.468 mi. — 2.603 mi. — Lipoa St 2.839 mi. — 2.964 mi. — 3.297 mi. — 3.392 mi. — 3.471 mi. — 3.699 mi. — 3.848 mi. — 4.223 mi. — 4.315 mi. — 4.375 mi. — 4.468 mi. — 4.607 mi. — 4.717 mi. — 4.935 mi.

SCALE: (In Miles) 4" = 1 mile

Undivided — Shoulder: Width and Type (COMBINATION SHOULDER AND BIKE ROUTE FROM 0.00 – 5.93 MILE): 6' – 8' A C

Undivided — 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 — 22' AC — 43' AC

Undivided — Shoulder: Width and Type (COMBINATION SHOULDER AND BIKE ROUTE FROM 0.00 – 5.93 MILE): 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' — 10'–4" AC

Divided Highway — Median: Width and Type: 10'–70' FLUSH GRASS (GUARDRAILS) — 9'–49' 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

Divided Highway — Shoulder: Width and Type: 4' AC — 0' — 0' — 0' — 0' — 0' — 0' — 0' — 0'

Divided Highway — Pavement: Width and Type: 24' AC — 22' AC — 22' AC — 22' AC — 22' AC — 22' AC — 22' AC — 22' AC

Divided Highway — Shoulder: Width and Type (COMBINATION SHOULDER AND BIKE ROUTE FROM 0.00 – 5.93 MILE): 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') — 11' TLs — 11' TLs — 11' TL — 11' TLs

(Right Side): 11' TLs — 10' Ac. shared-use path

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

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left): 6' Conc. G.

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) — 35 MPH (1) — 40 MPH (2)

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

Traffic Stations (Current Year): B74 0031 00147 — P47 0031 00697

HPMS Sections – AADT 2019: 39,600 — 35,400

HPMS Sections – AADT 2018: 43,163 — 36,300

HPMS Sections – AADT 2017: 42,400 — 36,400

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 — 31AS-01-02, WIDENING, 2003 — 31AS-01-02, WIDENING, 2003 — STP-031-(18) RESURFACING 1996 — TOF-RF-031-(18) 1981 — 31B-01-04, 1994 — (HWY-A-01-04 IMPR, 2006) — TOF-RF-031-(18) 1981 — 31AS-01-02, WIDENING, 2003

SCALE: (In Miles) 4" = 1 mile

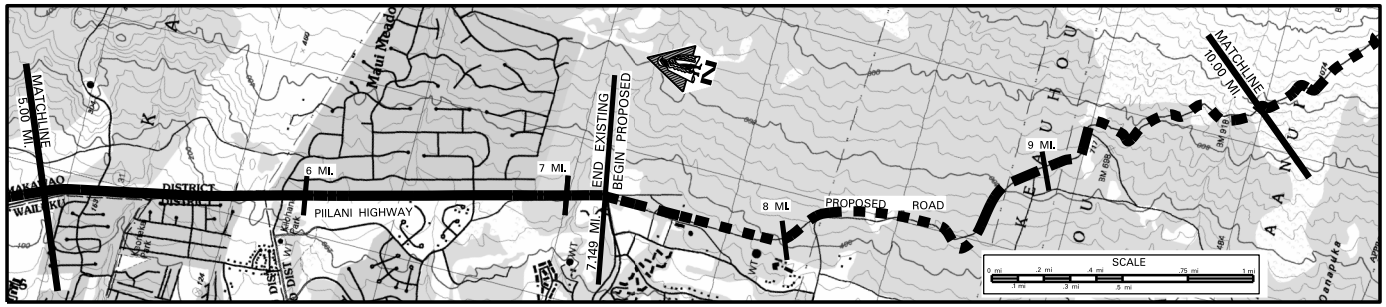
| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Nov. 06 | D.B. |
| Mar. 08 | D.B. |
| Jan. 09 | D.B. |
| Dec. 09 | D.B. |
| Feb. 11 | D.B. |
| Feb. 12 | D.B. |
| Feb. 13 | E.P.J |
| Dec. 13 | EPJ |
| July 14 | D.B. |
| Jan 16 | EPJ |
| Jan 17 | EPJ |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | 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; Vertical Clearance; Horizontal Clearance

Structure Over Road: Vertical Clearance; Horizontal Clearance

Right of Way Width (min.–max.) If varies: 105' – 225' (3.91); 105' – 305'

Available Right of Way Width (Needs Study)

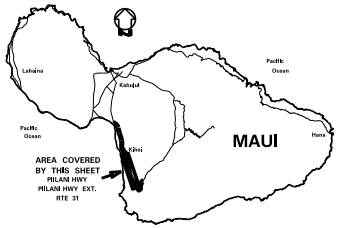
Right of Way Fence: Type – Right and Left: CHAINLINK (3.41), CHAINLINK (3.49), NONE (3.57, 3.67, 3.69, 3.84, 3.92, 7.07)

Control of Access: 1–None, 2–Partial, 3–Full: STATE (88-90)

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

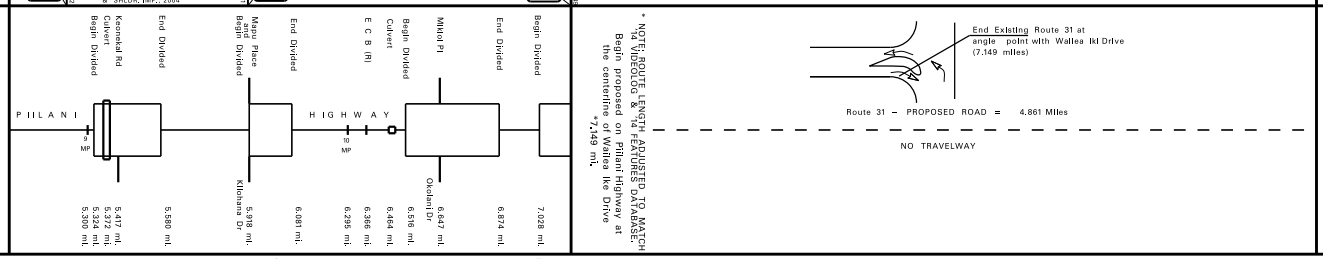
Project No., Type of Construction, and Year Constructed: ARR–031–1(11), PREVENTIVE MAINTANCE, 2010

Project No., Type of Construction, and Year Constructed: (31AB–01–02, WIDENING, 2003) (90-100) 5.22; STP–0900(58), GUARDRAIL & SHLDR, IMP., 2004 (3.91); (88-90); HWY–M–01–06M, RESURF., 2007 (90-100) 7.26




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: 6' – 8' AC; 10' AC
- Pavement: Width and Type: 44' AC; 22' AC; 44' AC; 33' AC; 22' AC; 12' AC; 24' AC; 12' AC; 24' AC; 12' AC
- Shoulder: Width and Type: 6' – 8' AC; 0'; 6'–8' AC; 0'; 10' AC; 0'; 10' AC; 0'

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

Number of Traffic Lanes: 4 – 11'; 2 – 11'; 1 – 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): AC Curb; AC Curb; Conc. Curb; Conc. Curb; AC Curb; AC Curb; Conc. Curb; Conc. 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): A; (B)

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

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

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

Speed: 1–Design, 2–Posted: 40 MPH (2); 45 MPH (1); 45 MPH (2); 35 MPH (2); 20 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): P74 0031 00697; B74 0031 00592; B74 0031 00715 (PROPOSED); B74 0031 00777 (PROPOSED)

HPMS Sections – AADT 2019: 35,400; 17,900

HPMS Sections – AADT 2018: 36,300; 19,200

HPMS Sections – AADT 2017: 36,400; 16,050

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

(90-100) 5.22 31AB–01–02, WIDENING, 2003; STP–0900(58), GUARDRAIL & SHLDR, IMP., 2004 (90-100) 7.26

STP–031–1(8), RESURFACING, 1996 5.96

TGF–RF–031–1(6) 1981 5.93; F–031–1(3) 1990

SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| Oct 2004 | GN |

| Revised | |
|---|---|
| Nov. 06 | D.B. |
| Feb. 08 | D.B. |
| Jan. 09 | D.B. |
| Dec. 09 | D.B. |
| Feb. 11 | D.B. |
| 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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan. 21 | E.P.J. |

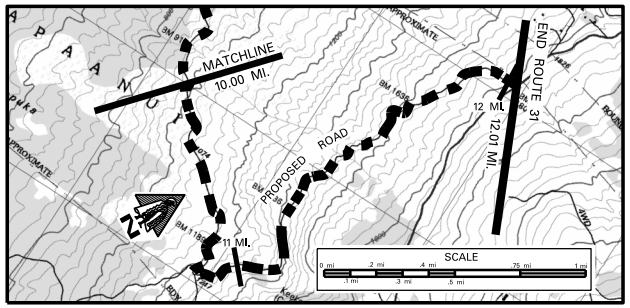
ROAD INVENTORY

# 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



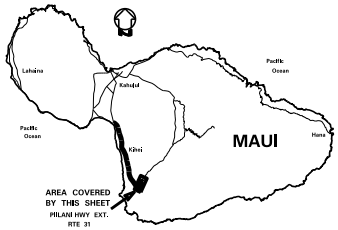

SCALE: (In Miles) 4" = 1 mile

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

Number of Traffic Lanes
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
(Right Side)
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left)
Curb and/or Gutter: Type (Right and Left)
Protective Devices: Type, Location and Number
Illumination: Type, Location and Number
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F( < 28.62)
Superelevation (Range)
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F( < 8.45)
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: SMALL URBAN (99998)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous
Speed: 1–Design, 2–Posted
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year) B74 0031 00777 (PROPOSED)
HPMS Sections – AADT 2019
HPMS Sections – AADT 2018
HPMS Sections – AADT 2017
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. |
| Feb. 18 | D.B. |

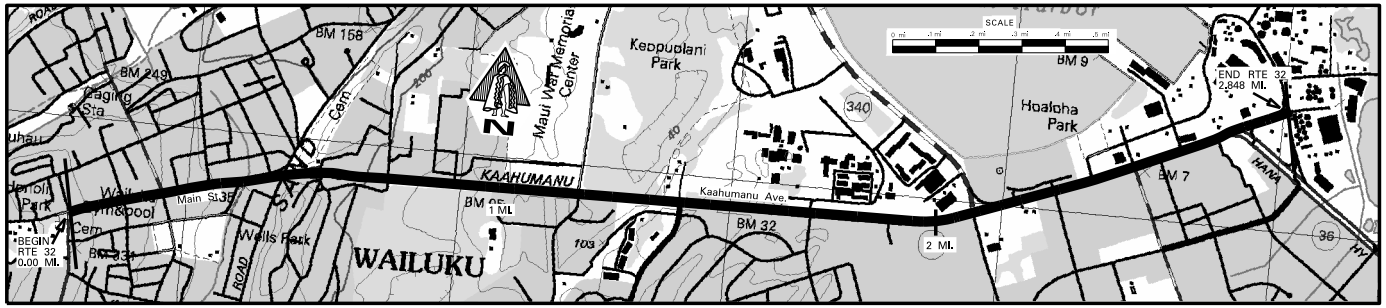
# ROAD INVENTORY
# MAUI RTE 32
# MAIN ST. – KAAHUMANU AVE.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

| | | | |
|---|---|---|---|
| Total Designated Route Length: | 2.848 | | 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

Maintenance Control Sections : Length and Description

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'); Conc. Frame 1936 H15

Vertical Clearance

Horizontal Clearance: 34'

**Structure Over Road**

Vertical Clearance: 14' 10"

Horizontal Clearance: 45'

Right of Way Width (min.–max.) If varies: 50' | 115' – 265' | 125' – 160' | 100' – 145' | 80' – 100'

Available Right of Way Width (Needs Study): Urban / Commercial | Bushes with Slight Cut Slope | Urban / Commercial

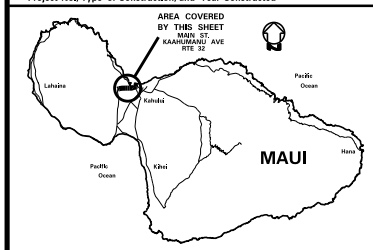
Right of Way Fence: Type – Right and Left (Chain Link 50' from Edge of Pavement)

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

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

Project No., Type of Construction, and Year Constructed: NH–032–1(010), Resurface, 2016

Project No., Type of Construction, and Year Constructed: STP–NH–0900(62), RESURF., 2004 | NH–032–1(8), Resurface, 2002




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

Begin Rte 32 on Main St. 75' West of the Intersection with High St. (Route 30).

High St. | Nishiyama Ln. | Nishiyama Ln. | Church St. | Driveway with Gate | S. Church St. | Begin Divided | Malaihia Dr. | Begin Divided | Malaihia Dr. & N. Market St. | S. Market St. | Central Ave. | End Divided | Lower Main St. 0.482 mi. | Kinipopo St. | Begin Divided | Nishiyama Dr. | Access to Nishiyama Dr. | Wasile Up. 0.514 mi. | Access to Nishiyama Dr. | Alu Pl. | Lunalilo Dr. | Maui Lani Pkwy. | Kanaloa Ave. | Wahinepi'o Ave. | Waiale Ave. | Kaohulaniu Center Road | Kahului Beach Rd. (RTE 3400) | Entrance to Maui Beach Hotel | Lono Ave. | Kinau St. | Puunene Ave. (RTE 3500) | Wharf St. | Ramp from Hana Hwy | Hana Hwy. (FAP 36) | Ramp to Hana Hwy | Third St. | Ramp from Kaahumanu | Ramp from Hana Hwy

0 MP 0.00 mi. — 0.50 MP L&R — 0.50 mi. — 1.00 mi. (1 MP) — 1.50 MP — 2.00 mi. (2 MP) — 2.50 MP — 2.848 mi.

KAAHUMANU AVE — RTE 32

Main Street — Kaahumanu Ave.

0.014 mi. | 0.064 mi. | 0.098 mi. | 0.141 mi. | 0.197 mi. | 0.246 mi. | 0.271 mi. | 0.295 mi. | 0.337 mi. | 0.357 mi. | 0.407 mi. | 0.482 mi. | 0.603 mi. | 0.623 mi. | 0.670 mi. | 0.755 mi. | 0.912 mi. | 1.013 mi. | 1.390 mi. | 1.423 mi. | 1.51 mi. | 1.724 mi. | 1.991 mi. | 2.000 mi. | 2.104 mi. | 2.201 mi. | 2.294 mi. | 2.384 mi. | 2.483 mi. | 2.599 mi. | 2.684 mi. | 2.709 mi. | 2.736 mi. | 2.783 mi. | 2.829 mi.

Kaahumanu Ave.

End Rte 32 on Kaahumanu Ave. at the West edge of pavement of Hobron Ave. (Route 32A) *2.848 mi. (Ramp to Hobron)

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

Scale: 1" = 0.15 mile

**Undivided**

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

**Divided Highway**

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number — 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)

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

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

Intersection Control Devices: Type, Location and Cycle Timing — Ph. = Phase

Traffic Stations (Current Year): B74 0032 00014 | B74 0032 00060 | B74 0032 00119 | B74 0032 00172 | B74 0032 00210 | B74 0032 00248 | B74 0032 00260 | B74 0032 00274

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| HPMS Sections – AADT 2019 | 10,300 | 21,300 | 29,400 | 19,800 | 40,700 | 27,100 | 26,900 | 3,400 |
| HPMS Sections – AADT 2018 | 11,400 | 26,034 | 31,620 | 30,847 | 49,749 | 37,312 | 32,674 | 3,689 |
| HPMS Sections – AADT 2017 | 10,099 | 25,196 | 30,603 | 29,449 | 48,149 | 36,112 | 31,623 | 3,570 |

DOD Sections

Census Tracts

Functional Classification: Principal Art. (Conn. Link) (3) | Principal Arterial (3)

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

Previous Projects: Project No., Date and Limits

NH-STP-032-1(6), Traffic Signals & Widening, 2002
STP-0900(34), 1998
HWY-M-0-4-97, 1998 (R)
HWY-M-02-91M (R) 1992
32A-01-83M (R) 1983
32A-01-89 (R) 1991
32A-01-96, 1998
36A-01-96M, (R), 1999
32A-01-89M (R) 1991
County Phase II
WPGM13-H, 1936
WPGM13-I, 1936
DF-032-1(4) 1958
F-032-1(2), 1955
F-032-1(1), 1957
DANCR 1945
(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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

# 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.) 8' varies**: 80' | (0.22) | 50'

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

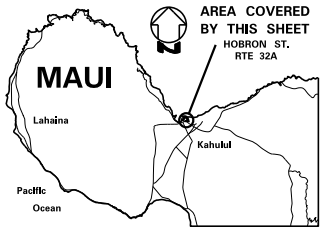
**Right of Way Fence: Type – Right and Left**: NONE

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

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**: (0.0-0.3) STATE | (0.1) | STATE PHASE II (0.3-0.41)

**Project No., Type of Construction, and Year Constructed**: (0.0) HWY–M–01–05 (R) 2006 (0.39) ← COUNTY TO STATE

**Project No., Type of Construction, and Year Constructed**: Inter. Improvements → STP-030-(12) 2000 (0.04) HWY–M–01–91M (R) 1992




**Road Diagram**
* MP – Milepost Signage

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

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

HOBRON AVENUE

END ROUTE 32A ON HOBRON AVENUE AT THE GATE TO PIER #1 KAHULUI HARBOR *0.393 MI

* 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: 6' AC (0.37) ← 15' – 20' AC/GRAVEL
- Pavement: Width and Type: 22' AC | 33' AC (0.32) | 22' AC
- Shoulder: Width and Type: 0 (0.04) | 6' AC (0.10) | 12' Grass (0.13) | 10'–15' Gravel (0.28) | 6' AC

**Divided Highway**
- Median: Width and Type: 11' Painted AC
- Shoulder: Width and Type: 0 (0.04)
- Pavement: Width and Type: 11' AC
- Shoulder: Width and Type: 6' AC

**Number of Traffic Lanes**: 2 – 11' (0.10) | 2 – 11'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**: (0.16) 1 – 11' (0.25)

**(Right Side)**: (0.07) (0.09)

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

**Sidewalk: Width and Type (Right and Left)**: (0.07) 6' Conc. Side Walk (0.30)

**Curb and/or Gutter: Type (Right and Left)**: AC C. (0.07) | (0.07) Conc. Curb (0.30)

**Protective Devices: Type, Location and Number**

**Illumination: Type, Location and Number**: (0.10) 1 MV | (0.27) (0.27) 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)**: C (0.07) | A | (0.27) 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) (0.13)

**Speed: 1–Design, 2–Posted**: 20 MPH (2) | NOT POSTED (0.12) | NOT POSTED | 20 MPH (2)

**Intersection Control Devices: Type, Location and Cycle Timing**

**Traffic Stations (Current Year)**: F74 032A 00000

**HPMS Sections – AADT 2019**: 5,000

**HPMS Sections – AADT 2018**: 4,900 (0.29)

**HPMS Sections – AADT 2017**: 4,900

**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 (0.27) | COUNTY

SCALE: (In Miles) 20" = 1 mile

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

| Date Released | |
|---|---|
| Oct. 2004, G.N. | |
| **Revised** | |
| Nov. 06 | D.B. |
| Dec. 09 | D.B. |
| Feb. 11 | D.B. |
| Feb. 12 | D.B. |
| Feb. 13 | E.P.J. |
| Dec. 13 | E.P.J. |
| July 14 | D.B. |
| Jan 16 | E.P.J. |
| Jan 17 | E.P.J. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

# ROAD INVENTORY
# MAUI RTE 32B
# WHARF STREET

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

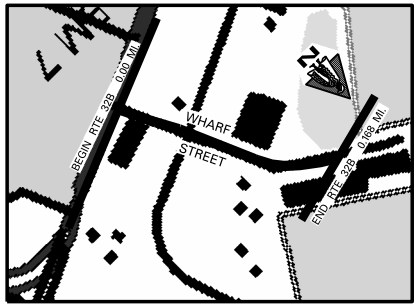
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

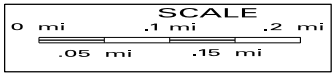
**Total Route Length:** 0.168 **miles**

**a. Survey Length:** 0.168 **miles**

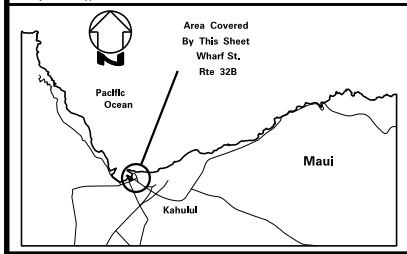
**b. Proposed Length:** 0.000 **miles**

**c. Other Length:** 0.000 **miles**




| | |
|---|---|
| SCALE: (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 | 0.00 0.10 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) | 1 1-01-00 STATE 2 0-00-00 |
| Project No., Type of Construction, and Year Constructed | 0.000 HWY-M-01-05M 2006 (R) 0.17 1-01-01 78M (R) WDR 34(1) |
| Project No., Type of Construction, and Year Constructed | HWY-M-01-91M 1992 (R) 1979 0.17 |




**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.

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

*0.168 MI.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH "HI VIDEOLOG & TRAFFIC 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 0.00 4' AC 0.03 10' AC 0.14 30'-40' AC |
| Divided Highway Undivided: Pavement: Width and Type | 24' AC 0.00 28' AC 0.03 32'-48' AC |
| Divided Highway Undivided: Shoulder: Width and Type | 2' AC 0.00 4' AC 0.03 0 0.07 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 | 2-12' 0.00 0.07 L-12' L-12' 0.14 L-18'-30' R-18'-30' |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | 12' F.L.A. 0.00 |
| (Right Side) | |
| Frontage Road: No. of Lanes, and Width (Right and Left) | 0.14 0.170 |
| Sidewalk: Width and Type (Right and Left) | 6' CONC. |
| Curb and/or Gutter: Type (Right and Left) | 6' MIN. CONC. CURB / CONC. CURB |
| Protective Devices: Type, Location and Number | CONC. CURB |
| 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 0.00 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 | N/A |
| Traffic Stations (Current Year) | B74 032B 00000 |
| HPMS Sections – AADT 2019 | 630 |
| HPMS Sections – AADT 2018 | 630 |
| HPMS Sections – AADT 2017 | 560 |
| 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 |

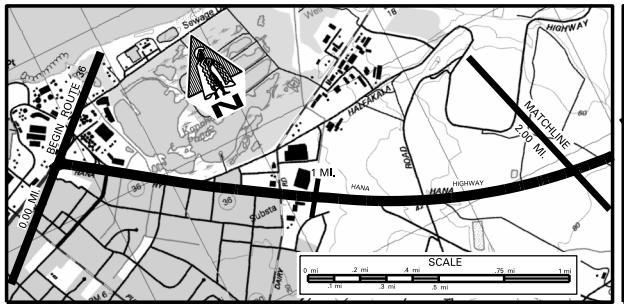
| Date Released | |
|---|---|
| Oct. 2004, G.N. | |
| **Revised** | |
| Nov. 06 | D.B. |
| Feb. 11 | D.B. |
| Feb. 12 | D.B. |
| Sept. 12 | E.P.J. |
| May 13 | EPJ |
| Dec. 13 | EPJ |
| July 14 | D.B. |
| Jan. 16 | EPJ |
| Jan. 17 | EPJ |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan. 21 | EPJ |

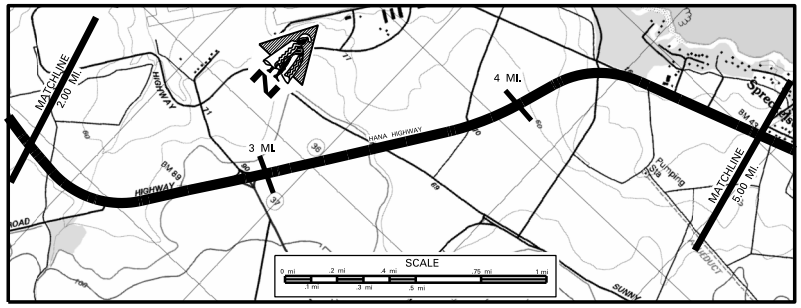
# ROAD INVENTORY
# MAUI RTE 36
# HANA HIGHWAY

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

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
- Vertical Clearance: 16'
- Horizontal Clearance: 105'

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

Right of Way Width (min.-max.) If varies: 100' – 168' — 60'

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

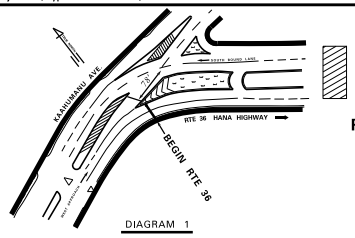
Right of Way Fence: Type – Right and Left: NONE

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

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

Project No., Type of Construction, and Year Constructed: NH-036-1-(17), PREV. MAINT., 2010 — HWY-M-01-15M, (R), 2018

Project No., Type of Construction, and Year Constructed: 36A-0-06M (R), 1999 — STP-036-1(12) Inter. Impr., 2000 — 36A-0-96M (R), 1999 — NH-036-1(16), RESURFACE, 2010 — HWY-M-02-08, IMPRV., 2010 — STP-0900(58), GUARDRAIL & SHOULDER IMPR., 2004 — 36AB-01-04M, RESURFACE, 2005 — STP-0900(58), GUARDRAIL & SHOULDER IMPR., 2004




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**
* MP = Milepost Signage

BEGIN ROUTE 36 ON THE WEST APPROACH TO HANA HWY '78 FROM THE CENTERLINE OF KAHUMANU AVENUE (SOUTH BOUND LANE) KAAHUMANU AVENUE ROUTE 32) (SEE DIAGRAM 1) — 0.00 mi.

HANA HIGHWAY — 5.00 mi.

Milepoints: 0.021 mi., 0.106 mi., 0.428 mi., 0.523 mi., 0.614 mi., 0.721 mi., 0.783 mi., 0.875 mi., 0.961 mi., 0.969 mi., 1.449 mi., 1.723 mi., 1.798 mi., 2.009 mi., 2.297 mi., 2.374 mi., 2.823 mi., 2.815 mi., 2.917 mi., 2.99 mi., 3.22 mi., 3.398 mi., 3.49 mi., 3.434 mi., 3.795 mi., 4.00 mi., 4.22 mi., 4.337 mi., 4.40 mi., 4.45 mi., 4.48 mi., 4.638 mi., 4.73 mi., 4.83 mi.

Milepost markers: 0 MP, Kamehameha Ave, HORROR ST (Rte 32A), WAKEA AVENUE, HANAMAU STREET, Hanaka'ai St, HALEAKALA HWY (Rte 36A), KOLOA ST., PAPA PLACE, DAIRY ROAD (Rte 360), DAIRY ROAD, ECB, HOOKELE ST., CONC. TC & CANE HAUL RD. TELEM. STA. 36016, 2 MP, KALIALINUI BR, HANSEN ROAD, CULVERT, HALEAKALA HWY (Rte 37), 3 MP, END DIVIDED, KALA RD. CULVERT, 3.50 MP (L&R), CANE HAUL RD, 4 MP (R), BEGIN DIVIDED, END DIVIDED, BEGIN DIVIDED, ROAD (R) STABLE RD. (L), ECB, 4.50 MP, ALAKAPA PL, END DIVIDED, BEGIN DIVIDED, 5 MP

ROUTE CONTINUES ON SHEET # 2

SCALE: (In Miles) 4" = 1 mile

**Undivided**
- Shoulder: Width and Type: 6' AC — 10' AC — 8'–10' AC — 4' AC
- Pavement: Width and Type: 22' AC — 24' AC — 36' AC — 24' AC — 12' AC — 24' AC — 12' AC — 24' AC — 12' AC
- Shoulder: Width and Type: 4' AC — 0' — 6' AC — 0' — 6' AC — 0' — 4' AC — 0' — 0' — 4' AC — 0'

**Divided Highway**
- Median: Width and Type: 42' GRASS — VARIES 16'–24' GRASS — 4' CONC. MEDIAN GUTTER — VARIES 20' – 24' GRASS — VARIES 10'–20' PAINTED AC — 4' CONC. MEDIAN GUTTER — VARIES 10'–04' GRASS — VARIES 10'–20' PAINTED AC — 12' PAINTED AC — 12' PAINTED AC — 12' PAINTED AC
- Shoulder: Width and Type: 4' AC — 0' — 6' AC — 0' — 6' AC — 0' — 0' — 0' — 0'
- Pavement: Width and Type: 22' AC — 24' AC — 36' AC — 24' AC — 12' AC — 12' AC — 12' AC — 12' AC
- Shoulder: Width and Type: 6' AC — 10' AC — 6' AC — 5' BIKE LANE — 5' BIKE LANE — 8'–10' AC — 4' AC — 4' AC — 4' AC

Number of Traffic Lanes: 2 – 12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — ALL T.L.'s 12' unless noted: 2 – 11' — 2 – 12' — 3–12' — 2 – 12'

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

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

Sidewalk: Width and Type (Right and Left)

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

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

Illumination: Type, Location and Number: HPS

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

Superelevation (Range)

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

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) — 55 MPH (2) — 45 MPH (2) — 55 MPH (2) — 35 MPH (2) — 45 MPH (2) — 35 MPH (2)

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

Traffic Stations (Current Year): B74 0036 00019 — P74 0036 00169 — P74 0000 0036B

HPMS Sections – AADT 2019: 31,100 — 39,000 — 20,000

HPMS Sections – AADT 2018: 29,827 — 37,700 — 19,200

HPMS Sections – AADT 2017: 29,300 — 23,300 — 37,400 — 18,800

DOD Sections

Census Tracts

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

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

Previous Projects: Project No., Date and Limits:
- 36A-0-96M (R), 1999 — NH-036-1(16), RESURFACE, 2010 — STP-0900(58), GUARDRAIL & SHOULDER IMPR., 2004
- STP-0900(34) 1998 — AM-095-2 (IMPROV), 1991 — HWY-M-01-96M AREA 3 1997 — 36AB-01-04M, RESURFACE 2005
- 36A-0-87M (R) 1988 — 36A-0-06M (R) 1991 — 36A-0-62 Inter. Impr., 1983
- DANC 8(1) 1946 — HWY-M-0-76M (R) 1976 — HWY-M-0-76M (R) 1976 — NRS. – 17A 1933
- DANC 8(1) 1943, 1945

SCALE: (In Miles) 4" = 1 mile

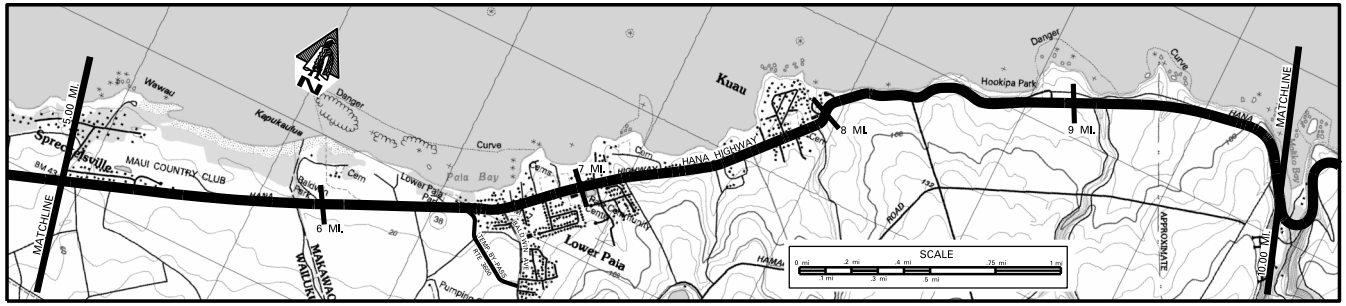
| Date Released | |
|---|---|
| Oct. 2004 | G.N. |
| **Revised** | |
| Feb. 06 | D.B. |
| Nov. 06 | D.B. |
| Mar. 08 | D.B. |
| Dec. 09 | D.B. |
| Feb. 11 | D.B. |
| Feb. 12 | D.B. |
| Sept. 12 | E.P.J. |
| May 13 | E.P.J. |
| Dec. 13 | E.P.J. |
| July 14 | D.B. |
| Jan 16 | E.P.J. |
| Jan 17 | E.P.J. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | 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

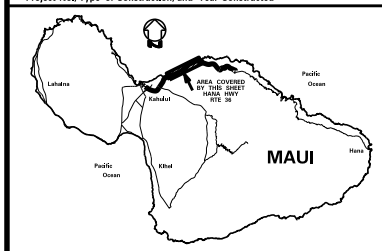



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description — 36A (6.70 MI); End 36A and begin 36B on Hana Hwy at the West edge of pavement of Baldwin Ave.; 36B (4.32 MI)

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

Right of Way Width (min.–max.) If varies: 60'; 80' – 200'
Available Right of Way Width (Needs Study): 1000' CLR – SUGAR CANE FIELD 20' FROM PAVEMENT; RESIDENTIAL AREA; 1000' CLR (R) 15' SUGAR CANE FROM PAVEMENT / BEACH (L); CLIFFS
Right of Way Fence: Type – Right and Left: NONE
Control of Access: 1–None, 2–Partial, 3–Full: NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE
Project No., Type of Construction, and Year Constructed: HWY–M–01–15M, (R), 2018; STP–0900(58), GUARDRAIL & SHOULDER IMPR., 2004; 36AB–02–04M (R) 2005; 36AB–01–04M, RESURFACE, 2005; HWY–M–14M, SIGN REPLACEMENT, 2016
Project No., Type of Construction, and Year Constructed: 36AB–01–90M RESURFACE 1991; 36BC–01–10M, PREV. MAINT., 2011




**Road Diagram**
* MP = Milepost Signage

ROUTE CONTINUED FROM SHEET # 1 — 5.00 mi. — NONOHE PL. — END DIVIDED — ULULUA PLACE — BEGIN DIVIDED — CULVERT — ALAWAI RD — END DIVIDED — Tehm. Sta. 36B — PAVED ROAD (PUNA ROAD) — BYPASS RD. (RTE 360) — PAVED ROAD — HANA HWY. — AE LANE — BEGIN DIVIDED — END DIVIDED — KUPONO STREET — LAE PLACE — BEGIN DIVIDED — END DIVIDED — LAE STREET (R) — HOLO PLACE — PAVED ROAD — KUAU BEACH PL. — KAULUA PLACE — WAA PLACE — KAMAKANI PLACE — KAHOLO ROAD — ROAD TO MAMA'S FISH HOUSE — HOLOMUA AVENUE — WEST EXIT HOOKIPA PARK — Tehm. Sta. 36087 — BEGIN DIVIDED — HOOKIPA PARK — END DIVIDED — PAVED ROAD — PAVED ROAD — PAVED ROAD — ROAD TO HAMAKUAPOKO — ROAD — ECB — ROUTE CONTINUES ON SHEET #3 — 10.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided:
Shoulder: Width and Type: 4' AC; 6' GRASS; 4' AC; 6' GRASS; 6' AC
Pavement: Width and Type: 12' AC; 24' AC; 12' AC; 24' AC; 12' AC; 24' AC; 12' AC; 22' AC; 11' AC; 22' AC
Shoulder: Width and Type: 0'; 4' AC; 0'; 4' AC; 0'; 6' GRASS; 4' AC; 6' GRASS; 6' AC; 10' GRASS; 0; 5' – 6' AC
Median: Width and Type: 12' PAINT AC; 10' PAINT AC; 10' PAINT AC; 10' PAINT AC; 0' –10' PAINTED AC
Shoulder: Width and Type: 0'; 0'; 0'; 0
Pavement: Width and Type: 12' AC; 12' AC; 12' AC; 11' AC
Shoulder: Width and Type: 4' AC; 4' 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): (11' (L) TL); (11' (L) TL)
(Right Side): (11' 2-WAY (L) TL); (12' (R) TL)
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left): 5' CONC. CURB; CONC. CURB; 5' CONC. GUTTER
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: 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; A; B; A; D; C; A; C; D; C; A; A; C; A
Shoulder Lanes: (OPEN 4–6 PM, EXC, SAT, SUN, HOL.: NO TRUCKS OR BUSES); 8' SHOULDER LANE
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45): (B); A; B; A; B; A; B; A; A; B; A; B; C; B
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: SMALL URBAN (99998)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: FLAT (1); ROLLING (2); MOUNTAINOUS (3)
Speed: 1–Design, 2–Posted: 35 MPH (2); 45 MPH (2); 35 MPH (2); 20 MPH (2); 25 MPH (2); 30 MPH (2); 35 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing: 3 PHASE
Traffic Stations (Current Year): P74 0000 00368; B74 0036 00799; P74 0036 00872
HPMS Sections – AADT 2019: 20,000; 12,800; 13,900
HPMS Sections – AADT 2018: 19,200; 13,100; 13,300
HPMS Sections – AADT 2017: 18,800; 15,505; 13,300
DOD Sections
Census Tracts
Functional Classification: MINOR ARTERIAL (4)
National Highway System (NHS): NOT ON NHS (0)
Previous Projects: Project No., Date and Limits
36AB–01–04M, RESURFACE, 2005; 36AB–01–90M RESURFACE 1991; 36AB–02–02, SHLDR. LN., 2005; 36AB–01–90M RESURFACE 1991; 36AB–01–04M, 1996 (R); 36AB–01–90M (RESURF) 1991; STP–036–1(8) RESURFACE; STP–036–1(7) 1997; 36AB–01–75 (RESURF) 1975; 36B–02–79 IMPROV) 1979; 36BC – 01 – 92M (RESURF) 1992; NRS – 17A 1933; WDRC 1411 1948; JOB # 5213; F–036–1(1) REVAMP 1961; F–036–1(1) 1959

SCALE: (In Miles) 4" = 1 mile

| Date Released |
|---|
| Oct. 2004, G.N. |

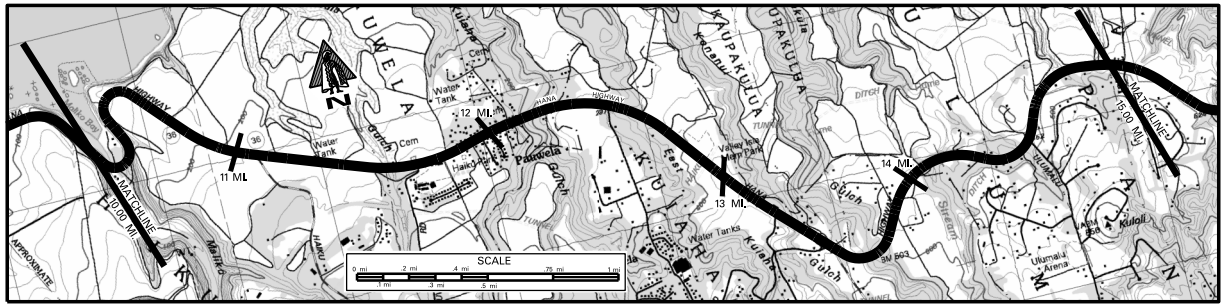
| Revised | |
|---|---|
| Feb. 06 | D.B. |
| Nov. 06 | D.B. |
| Mar. 08 | D.B. |
| Jan. 10 | D.B. |
| Feb. 11 | D.B. |
| Feb. 12 | D.B. |
| Sept. 12 | E.P.J. |
| Dec. 12 | E.P.J. |
| July 14 | D.B. |
| Jan 16 | E.P.J. |
| Jan 17 | E.P.J. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

# 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 Kakomo-Haiku Road; 36C (5.21 MI)

**Structure Carrying Road**
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: TEE BEAM 1961 205' HS20 (10.89); PRESTRESSED CONCRETE GIRDER, HL-93, 2003 (12.89) 225'
- Vertical Clearance: 28'; 34'
- Horizontal Clearance

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

Right of Way Width (min.-max.) If varies: 80' – 200' (10.00); 80' – 285' (10.00–13.23); 80' – 135' (13.23–15.00)

Available Right of Way Width (Needs Study): CUT SLOPES (10.00–10.70); CLR 1000' PINEAPPLE 20' FROM PAVEMENT (10.70–10.90); TREES AND BUSHES (10.90–11.70); RES. AREA (11.70–12.18); TREES (12.18–12.47); CLR 1000' PINE 15' FROM PVMT (12.47–13.23); CUT SLOPES WITH PASTURES AND FARMS (13.23–15.00)

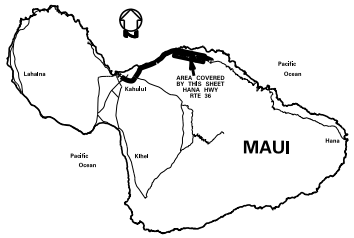
Right of Way Fence: Type – Right and Left: NONE

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: 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.)

HANA HIGHWAY — MP 10 (ECB) to MP 15

Milepoints: 10.074 mi. (10.00 MP); 10.161 mi.; 10.335 mi.; 10.522 mi. (10.5 MP); 11.019 mi.; 11.062 mi.; 11.523 mi. (11.0 MP); 11.622 mi.; 11.683 mi.; 11.753 mi.; 11.821 mi.; 11.788 mi.; 11.920 mi.; 11.895 mi.; 12.002 mi.; 12.074 mi.; 12.127 mi.; 12.232 mi.; 12.272 mi.; 12.475 mi.; 12.587 mi.; 12.912 mi.; 12.868 mi.; 13.259 mi.; 13.493 mi.; 13.435 mi.; 13.626 mi.; 13.912 mi.; 13.871 mi.; 14.023 mi.; 14.53 mi.; 14.57 mi.; 14.76 mi.

Side roads: MAIKO BRIDGE ROAD; HAKU ROAD; HULAKAI ROAD (L); PILI ALOHA ST. (R); CEMETERY ROAD TO PAUWELA CTR. (L); HANA COMM. CTR. DIRT ROAD (L); ROAD TO CEMETERY (R); KAUPAKULUA PLACE; AKAHI PLACE; AHONUI PLACE; WAIKINA LOOP (R); NAHELE ROAD; WAIKINA LOOP; W. KUIAHA RD. (R); NAHELE RD. (L); VALLEY ISLE MEMORIAL PARK; E. KUIAHA ROAD (R); DRIVEWAY (L); REPIKA RD. (R); HANAWI RD. (L); KAUPAKULUA BRIDGE; HOHANI PLACE; O'ILI ROAD; ULUMALU ROAD; KAIHUKI ST.

ROUTE CONTINUE ON SHEET #4 (15.00 mi.)

SCALE: (In Miles) 4" = 1 mile

**Divided Highway – Undivided**
- Shoulder: Width and Type: 6' AC (10.00–12.26); 4' – 6' AC (12.26–13.23); 10' AC (13.23–13.84); 4' – 6' AC (13.84–15.00)
- Pavement: Width and Type: 22' AC (10.00–13.23); 24' AC (13.23–13.98); 22' AC (13.98–15.00)
- Shoulder: Width and Type: 5' – 6' AC (10.00–12.18); 4' – 6' AC (12.18–13.23); 10' AC (13.23–13.98); 4' – 6' AC (13.98–15.00)

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

Number of Traffic Lanes: 2 – 11' (10.00–13.23); 2 – 12' (13.23–13.98); 2 – 11' (13.98–15.00)

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): NONE

Sidewalk: Width and Type (Right and Left): 6' CONC. SWALE (13.26–13.84)

Curb and/or Gutter: Type (Right and Left): 4' CONC. GUTTER; 2' CONC. GUTTER; 9' AC; 12' CONC. GUTTER; 2' CONC. GUTTER; 2' CONC. GUTTER; 3' CONC. 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)

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: 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): P74 0036 00872; B74 0036 01170; B74 0036 01586

HPMS Sections – AADT 2019: 13,000; 11,600; 4,300

HPMS Sections – AADT 2018: 13,300; 10,500; 4,174

HPMS Sections – AADT 2017: 13,300; 3,876; 4,100

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
STP-036-1(7) 1997
36BC-01-82M 1982 RESURFACE
F-036-1(1) 1961 REVAMP
F-036-1(1) 1959
F – 32 (3) 1951, 1953
BR-36-1(5), 2003 BRIDGE REPLACEMENT
STP – 0900 (39), 1996 RESURFACE
36C-01-87M 1987 RESURFACE
F – 32 (2) 1957
F – 32 (2) 1946

SCALE: (In Miles) 4" = 1 mile

| Date Released |
|---|
| Oct 2004 GN |

| Revised | |
|---|---|
| Feb. 06 | D.B. |
| Nov. 06 | D.B. |
| Jan. 10 | D.B. |
| Feb. 11 | D.B. |
| Feb. 12 | D.B. |
| Sept. 12 | E.P.J. |
| Dec. 13 | E.P.J. |
| July 14 | D.B. |
| Jan 16 | E.P.J. |
| Jan 17 | E.P.J. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | 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
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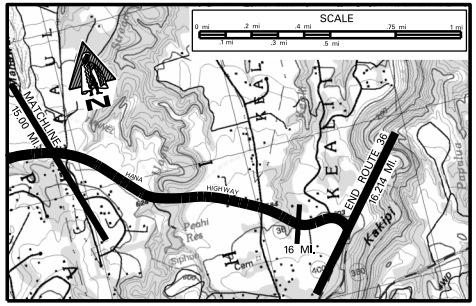
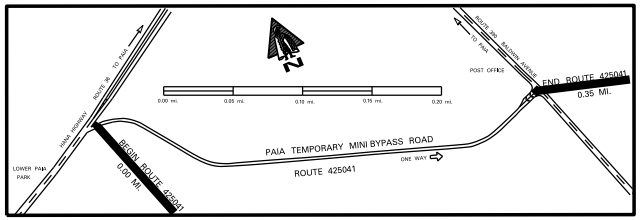
FEDERAL HIGHWAY ADMINISTRATION

**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

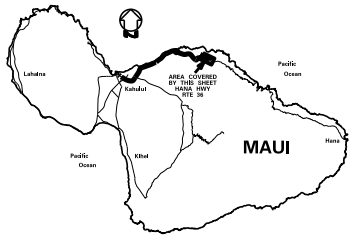
**Maintenance Control Sections : Length and Description**

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

**Structure Carrying Road**
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: Prestressed Concrete Girder, Hl-93, 2002, 315'
- Vertical Clearance
- Horizontal Clearance: 44'

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

**Right of Way Width (min.-max.) If varies:** 80' – 135'
**Available Right of Way Width (Needs Study):** CUT SLOPES W/PASTURES & FARMS
**Right of Way Fence: Type – Right and Left**
**Control of Access: 1–None, 2–Partial, 3–Full:** NONE
**Jurisdiction, Transfer Phase No. and Date (C to S or S to C):** STATE | COUNTY
**Project No., Type of Construction, and Year Constructed:** 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.
HEAKULA PLACE (MANANA P.L.) 15.041 mi. 15.049 mi. 15.059 mi.
UAOA BRIDGE 15.439 mi. 15.474 mi.
HOOKULI ROAD 15.639 mi.
HOLOKAI ROAD 15.845 mi.
HAUMANA ROAD 16.023 mi. 16.125 mi.
HANA HWY — 16 MP, 15.5 MP, 16 MP

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '14 VIDEOLOG & '14 FEATURES DATABASE.
END ROUTE 36 ON HANA HIGHWAY AT THE CENTERLINE INTERSECTION WITH KAUMAKALIIA ROAD, SAME AS BEGINNING OF ROUTE 36C, 16.214 mi.

BEGIN ROUTE 425041 0.00 MI. 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

**Divided Highway — Undivided**
- Shoulder: Width and Type: 4' – 6' AC | 2' AC
- Pavement: Width and Type: 22' AC | 24' AC | 22' AC | 12' AC | 24' AC
- Shoulder: Width and Type: 4' – 6' AC | 2' AC

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

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

**Number of Traffic Lanes:** 2 – 11' | 2 – 12' | 2 – 11' | 1–12' | 3–12'
**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):** NONE
**Curb and/or Gutter: Type (Right and Left):** (4' CONC. GUTTER) (2' CONC. GUTTER)
**Protective Devices: Type, Location and Number:** All Metal Rails on Metal Posts unless otherwise noted.
**Illumination: Type, Location and Number:** PWP
**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 | D | E | A | D | A | 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 | 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) | (NOT POSTED) | NOT POSTED | 20 MPH (2) | 25 MPH (2)
**Intersection Control Devices: Type, Location and Cycle Timing**
**Traffic Stations (Current Year):** B74 0036 01586
**HPMS Sections – AADT 2019:** 4,300
**HPMS Sections – AADT 2018:** 4,174
**HPMS Sections – AADT 2017:** 4,100
**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 16.206 – 16.214
- F-22(2) 1957 16.206 – 16.214
- F-32(2) 1946 (87.2 MI.) 16.206 – 21.00

SCALE: (In Miles) 4" = 1 mile

| 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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | 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

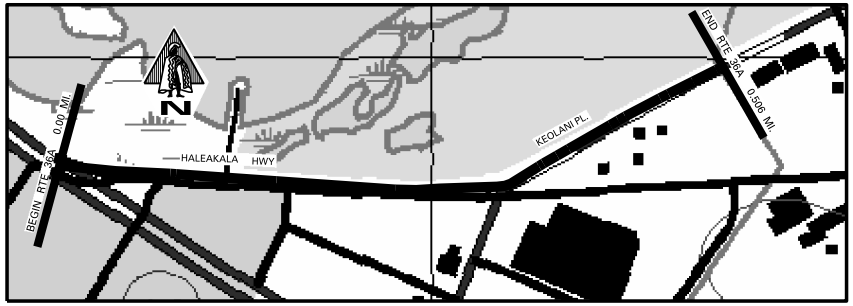
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**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 — 0.270 — 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** — 0.320 — 60'

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

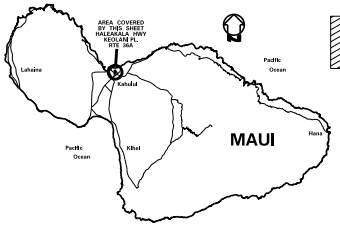
**Right of Way Fence: Type – Right and Left**

**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)** — 2-01-99 — S T A T E — 07-01-99

**Project No., Type of Construction, and Year Constructed** — HWY–M–02–16M, PREVENTIVE MAINTENANCE, 2017

**Project No., Type of Construction, and Year Constructed** — COUNTY — 0.000 — 0.010 — HWY–M–01–05M, RESURF., 2006 — 0.320 — 0.321 — HWY–M–01–76M 1976




Indicates Grass & / or Physical Barrier on Median.

**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 — KOLOA ST — HALEAKALA HWY — RAMP FROM HALEAKALA HWY — END DIVIDED — TELEM. STA. 36A005

HALEAKALA HIGHWAY

0.052 mi. — 0.148 mi. — DAIRY ROAD 0.319 mi. — 0.365 mi. — 0.43 mi. — 0.506 mi. — *0.506 mi.

KEOLANI PLACE

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

* 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

**Undivided**
- Shoulder: Width and Type — 0' (.000) — 6' AC (.010) — 6' BP WITH CURB (.273) — 6' GRASS (.275) — 6' AC (.365) — 10' GRAVEL (.368) — 25' GRAVEL
- Pavement: Width and Type — 12' BP — 12' AC — 11' AC (.365) — 12' AC (.368) — 36' AC
- Shoulder: Width and Type — 0' — 10' GRASS

**Divided Highway**
- Median: Width and Type — 6–32' GRASS W/CONC. CURB (.000) — 0' – 12' PAINTED AC
- Shoulder: Width and Type — 0'
- Pavement: Width and Type — 12' BP (.000) — 12' AC (.320) — 22' AC (.368) — 24' AC
- Shoulder: Width and Type — 0' — 12' GRASS (.368)

**Number of Traffic Lanes** — 2 – 12' — 1 – 11' — 2 – 11 — 1 – 12' — 2 – 12

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)** — .261 — .268 — L5 — .270 — L–W — .368 — L2

**(Right Side)** — .268 — .368 — R9

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

**Sidewalk: Width and Type (Right and Left)** — .247 — 4' Concrete Sidewalk — .308 — .316 — 6' Conc. Side Walk — .319 — 6' Conc. Side Walk

**Curb and/or Gutter: Type (Right and Left)** — .247 — .092 — AC Curb — .200 — Concrete Curb and Gutter — .308 — .316 — Conc. Curb & Conc. Gutter — .319 — Conc. Curb & Conc. Gutter

**Protective Devices: Type, Location and Number** — .000

**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 — .083 — B — .100 — A — .170 — E — .175 — 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** — .368

**Traffic Stations (Current Year)** — P74 036A 00000 — B74 036A 00051

**HPMS Sections – AADT 2019** — 10,500 — 6,300

**HPMS Sections – AADT 2018** — 11,900 — 8,500

**HPMS Sections – AADT 2017** — 11,900 — 9,500 — 0.506

**DOD Sections** — .320

**Census Tracts**

**Functional Classification** — MINOR ARTERIAL (4)

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

**Previous Projects: Project No., Date and Limits**

- .000 — HWY–M–01–91M 1992 (RESURFACE) — .174
- .320 — HWY–M–01–76M 1976
- COUNTY — .320 — .368 — NRS–17A 1933 AND 1934

SCALE: (In Miles) 20" = 1 mile

0.0 0.10 0.20 0.30 0.40 0.50 0.60 0.70 0.80 0.90 1.00

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Sept. 04 | D.B |
| Nov. 06 | D.B |
| Jan 10 | D.B |
| Feb. 11 | D.B |
| Feb. 12 | D.B |
| Sept. 12 | E.P.J |
| Dec. 13 | E.P.J |
| July 14 | D.B |
| Jan 16 | E.P.J |
| Jan 17 | E.P.J |
| Feb. 18 | D.B |
| Nov. 18 | D.B |
| Jan 21 | E.P.J |

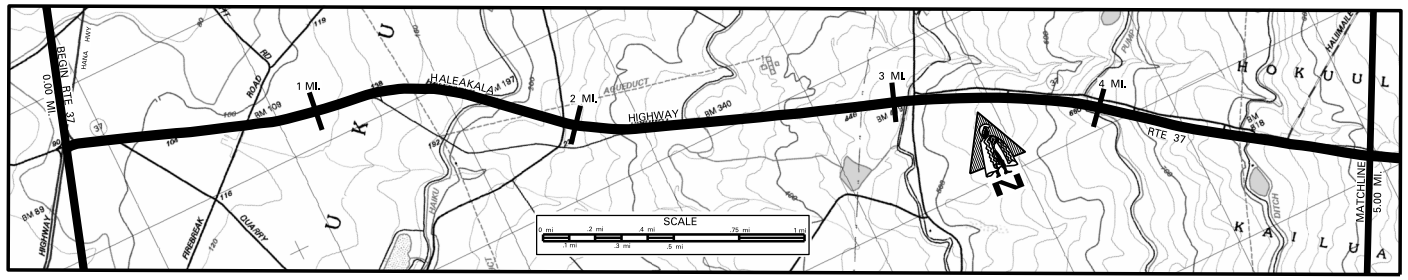
ROAD INVENTORY

# 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

**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' (3.06) — 120' – 140' (4.76) — 140' – 200'

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

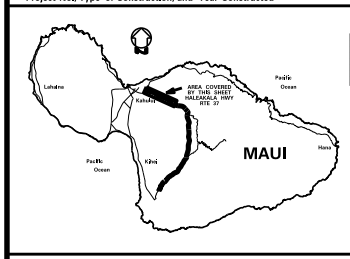
Right of Way Fence: Type – Right and Left

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): S T A T E

Project No., Type of Construction, and Year Constructed: 0.00–3.48 HWY–M–01–15M, RESURFACING, 2018; 3.48–4.76 NH–037–1(24), WIDENING, 2009

Project No., Type of Construction, and Year Constructed: 0.00–0.00 HWY–M–01–06M, RESURFACING, 2007; 37D–01–90 (TRUCK CLIMBING LANE) 1991; 4.76–4.94 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 SOUTHEASTERLY EDGE OF PAVEMENT OF HANA HIGHWAY (RTE 36)

0.00 mi. — RAMP TO HANA HWY; BLOCKED QUARRY ROAD; NORTH FIRE BREAK & T.C. TELEM. STA. 37006 (0.50 MP); ECB; PAVED RD; CULVERT; ROAD; CULVERT; PAVED ROAD; ROAD; LEAHOLA BRIDGE; ECB; 500' ELEV. SIGN; EMERGENCY ESCAPE RAMP; ROAD; PAVED RD; ROAD; PAVED RD CONC BRIDGE; HALIMAILE ROAD — HALEAKALA HIGHWAY — CONTINUES ON SHEET #2 5.00 mi.

0.00 mi. BEGIN RTE 37 ON HALEAKALA HWY AT THE SOUTHEASTERLY EDGE OF PAVEMENT OF HANA HWY; 0.00–0.09 mi. RAMP TO HANA HWY; 0.09–0.191 mi. BLOCKED QUARRY ROAD; 0.191–0.51 mi. NORTH FIRE BREAK & T.C. TELEM. STA. 37006 (0.50 MP); 0.51–0.606 mi.; 0.606–0.702 mi.; 0.702–0.958 mi. ECB; 0.958–1.217 mi. PAVED RD; 1.217–1.624 mi. CULVERT; 1.624–1.976 mi. ROAD; 1.976–1.980 mi.; 1.980–1.985 mi. CULVERT; 1.985–2.405 mi. PAVED ROAD; 2.405–2.466 mi.; 2.466–2.980 mi. ROAD; 2.980–3.066 mi.; 3.066–3.206 mi. LEAHOLA BRIDGE; 3.206–3.229 mi. ECB; 3.229–3.367 mi. 500' ELEV. SIGN; 3.367–3.632 mi. EMERGENCY ESCAPE RAMP; 3.632–3.823 mi. ROAD; 3.823–4.066 mi. PAVED RD; 4.066–4.135 mi.; 4.135–4.484 mi. ROAD; 4.484–4.604 mi. PAVED RD CONC BRIDGE; 4.604–4.565 mi.; 4.565–4.734 mi. HALIMAILE ROAD

SCALE: (In Miles) 4" = 1 mile

**Divided Highway — Undivided**

- Shoulder: Width and Type: 6' AC – 4' GRASS
- Pavement: Width and Type: 12' AC (.00–.09) — 24' AC
- Shoulder: Width and Type: 0' — 4' AC

**Divided Highway**

- Median: Width and Type: 1–22' PAINTED AC (.09–.24); 16'–28 GRASS (.24–.702); 16' GRASS FLUSH (.702–.958); (0–4' PAINTED AC) (.958–.996); 12'–24' GRASS (.996–4.734)
- Shoulder: Width and Type: 0' — 4' AC; 8' AC
- Pavement: Width and Type: 12' AC (.00–.09) — 24' AC; 24' PCC
- Shoulder: Width and Type: 6' AC

Number of Traffic Lanes: 1–11 (.00–.09); 4–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 1–12' AC (.00–.09); (1–12' (L) TL) (.09–.24); 12' (.702–.958); 12' (.996–1.217); 12' (1.624–1.976); 12' (1.980–2.405); 12' (2.466–2.980); 12' (3.066–3.206); 12' (3.229–3.367); 12' (3.632–3.823); 12' (4.066–4.135); 12' (4.484–4.604); 12' (4.565–4.734)

(Right Side): 1–12' (.00–.09); 12' (.702–.958); 12' (.996–1.217); 12' (1.624–1.976); 12' (1.980–2.405); 12' (2.466–2.980); 12' (3.066–3.206); 12' (3.229–3.367); 12' (3.632–3.823); 12' (4.066–4.135); 12' (4.484–4.604); 12' (4.565–4.734)

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 (.09–.24); .702–.733 (.702–.740); .833–.866 (.833–.866); .1.217–1.249 (1.217–1.249); .1.976–2.009 (1.976–2.009); .2.405–2.437 (2.405–2.437); .3.206–3.239 (3.206–3.239); .3.823–3.856 (3.823–3.856); .4.135–4.168 (4.135–4.168)

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 (.09–.09); A (.09–.09); B (.09–.45); C (.45–3.48); D (3.48–4.76); C (4.76–4.94)

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) (.00–.24); 55 MPH (2) (.24–.659); 45 MPH (2) (.659–.923); 45 MPH (2) (.923–.996); 55 MPH (2) (.996–3.48); 45 MPH (2) (3.48–4.76); 55 MPH (2) (4.76–4.94); 45 MPH (2) (4.94–5.00)

Intersection Control Devices: Type, Location and Cycle Timing: 3 PHASE (.24–.659)

Traffic Stations (Current Year): P74 0037 00060; P74 0037 00522

HPMS Sections – AADT 2019: 33,100; 30,000

HPMS Sections – AADT 2018: 32,900; 29,700

HPMS Sections – AADT 2017: 32,700; 29,300

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: NH–037–1(24), WIDENING, 2009 (0.04–0.91); 36A–01–82 1983 (INTER IMPROV) (0.00–0.10); 37C–01–06M 1980 (RESURFACE) (0.08–0.70); FAP E–0E 1933 (0.00–0.08); FAP E–6E 1932 (0.08–0.70); 37D–01–90 (TRUCK CLIMBING LANE) 1991 (3.48–4.76); F–037–(7) 1972 (4.76–4.94)

SCALE: (In Miles) 4" = 1 mile

| Date Released |
|---|
| Oct 2004 GN |

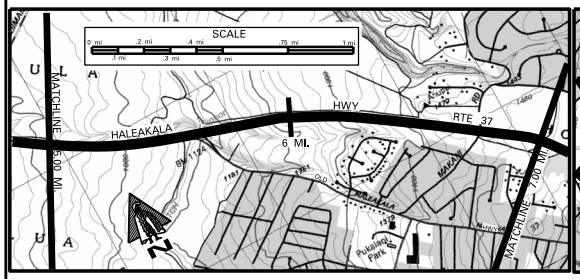
| Revised | |
|---|---|
| Feb., 06 | D.B. |
| Nov., 06 | D.B. |
| Feb., 08 | D.B. |
| May, 10 | D.B. |
| Feb. 11 | D.B. |
| Feb. 12 | D.B. |
| Feb. 13 | E.P.J. |
| Dec. 13 | E.P.J. |
| July 14 | D.B. |
| Jan 16 | E.P.J. |
| Jan 17 | E.P.J. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

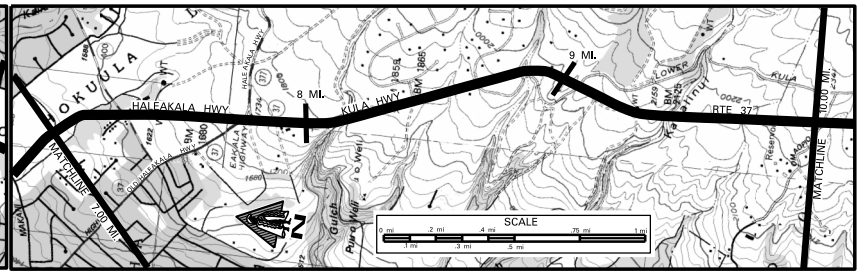
# ROAD INVENTORY
# MAUI RTE 37
# HALEAKALA HWY & KULA HWY

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'

Vertical Clearance

Horizontal Clearance

Structure Over Road — Vertical Clearance: 24'; 28'

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

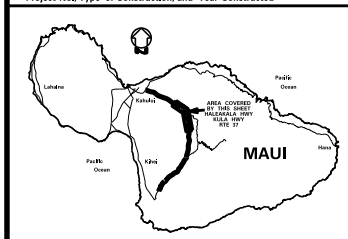
Right of Way Fence: Type – Right and Left: ALL WIRE ON WOOD

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): S T A T E

Project No., Type of Construction, and Year Constructed: NH–037–1(24), 2009, WIDENING; (HWY–M–01–06M, RESURF., 2007); 37C–01–13M, RESURFACE, 2014; (HWY–M–01–06M, RESURF., 2007); (37C–01–14, INTERSECTION IMPROVEMENTS, 2018)

Project No., Type of Construction, and Year Constructed: 37C–02–90, 1993, NEW ALIGNMENT; 37C–01–92 1993 NEW ALIGNMENT (PHASE II); STP–0900(073),(R),2015; 37CD–01–02M, REPAIR & MAINT., 2004




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**
* MP = Milepost Signage

CONTINUED FROM SHEET # 1 — 5.00 mi. — HALEAKALA HIGHWAY — KULA — CONTINUES ON SHEET #3 — 10.00 mi.

ECB ROAD; TELEM. STA. 370512; END DIVIDED; OLD HALEAKALA HWY OFF RAMP TO ROAD; ON RAMP FROM OLD HALEAKALA HWY DIVIDED; END DIVIDED; PAVED ROAD & T.C.; BEGIN DIVIDED ROAD; MAKANI ROAD; ECB; BEGIN DIVIDED; PAVED ROAD & TRACTOR CROSSING END DIVIDED; MAKAWAO AVE (RTE 365); END DIVIDED Road to WATER TANK; T. C. BEGIN DIVIDED; HALEAKALA HWY (RTE 377); OLD HALEAKALA HWY; Kula Jct.; KING KEKAULIKE HIGH SCHOOL; MAKAENA PL; A'APELEO PKWY; HAKAKAI BRIDGE; ECB; OHANA STREET END DIVIDED; LOWER KULA DR.(R) HOSPALDA DR.(L); NOHOLOA STREET; OLD LOWER KULA ROAD; ECB; KALIALINUI BRIDGE; DRIVEWAYS; DRIVEWAYS

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; 6' AC

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

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

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; 5' 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): 6' CONC. S.W.; 3' Conc. S.W.

Curb and/or Gutter: Type (Right and Left): B-2 CURB; CONC. C. & G.; CONC. C. & G.; C.C. 2' C.G.; 486 C.C. 2' C.G.

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; B; A

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: SMALL URBAN (99998)

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

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

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

Traffic Stations (Current Year): P74 0037 00522; B74 0037 00671; B74 0037 00904; B74 0037 00940

HPMS Sections – AADT 2019: 30,000; 14,600; 13,300; 9,529

HPMS Sections – AADT 2018: 29,700; 14,279; 12,239; 15,000

HPMS Sections – AADT 2017: 29,300; 13,632; 12,118; 10,800

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

37C–01–13M, RESURFACE, 2014; (STP–37–5(23), INTERSECTION IMPR., 2007); 37C–02–90, 1993, NEW ALIGNMENT; 37C–01–92 1993 NEW ALIGNMENT (PHASE II); 37C–01–97, 1998; (NEW ALIGNMENT); STP–037–1(18) RESURFACE 1994; 37CD–01–02M, REPAIR & MAINT., 2004; STP–037–1(21) RESURFACE 1999; 37C–02–92 INTER. IMPROV.; STP–037–1(19) 1996 (6" SHLDR & GUARD RAILS); 37C–01–01M 1998 (RESURFACE); 37C–01–88M 1988 RESURFACE; (37C–01–01 (692 RIGHT TURN LANE); FAP 58 1929; (R–037–1(1) 1962; WDRC 14(1) 1948; (R–037–1(14) 1970); SCCD–01–80M 1980 RESURFACE

SCALE: (In Miles) 4" = 1 mile

| Date Released |
|---|
| Oct 2004 GN |

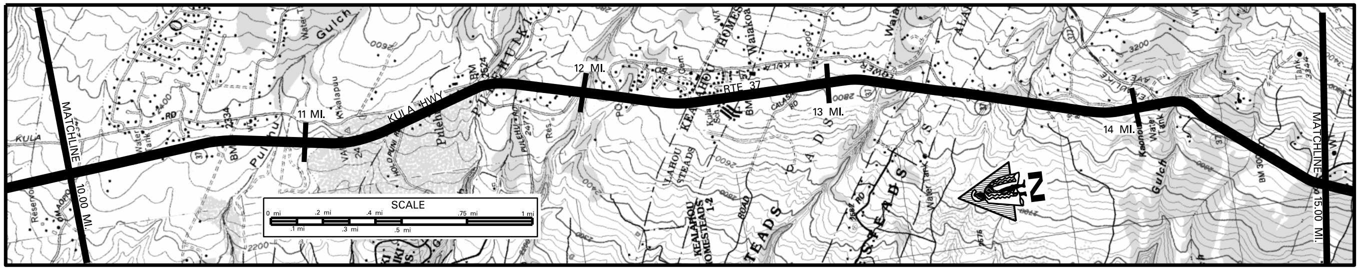
| Revised | |
|---|---|
| Nov., 06 | D.B. |
| Feb., 08 | D.B. |
| Jan., 10 | D.B. |
| Feb. 11 | D.B. |
| Feb. 12 | D.B. |
| Sept. 12 | E.P.J. |
| Dec. 13 | E.P.J. |
| July 14 | D.B. |
| Jan 16 | E.P.J. |
| Jan 17 | E.P.J. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

# ROAD INVENTORY
# MAUI RTE 37
# HALEAKALA HWY. & KULA HWY.

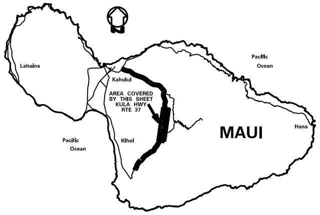
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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 | 10 · 11 · 12 · 13 · 14 · 15 |
| Maintenance Control Sections : Length and Description | 37C (9.25 MI); 14.25 END 37C – BEG. 37D ON KULA HWY AT THE CENTERLINE OF KEKAULIKE AVE |
| Structure Carrying Road – Bridges (Over 20'): Length, Type, Capacity and Year Constructed | PRESTRESSED BEAM 1964, HS-20 164' (at 12); RC DECK GIRDER 1933, H-15 75' (at 14.3) |
| Structure Carrying Road – Vertical Clearance | |
| Structure Carrying Road – Horizontal Clearance | 28' (at 12); 24' (at 14.3) |
| Structure Over Road – Vertical Clearance | |
| Structure Over Road – Horizontal Clearance | |
| Right of Way Width (min.–max.) if varies | 90' – 270'; 14.33; 60' |
| Available Right of Way Width (Needs Study) | PASTURE AND RANCH LANDS; 11.99; 12.01; 12.45; RESIDENTIAL; 13.60; 13.90 |
| Right of Way Fence: Type – Right and Left (All fences: Wire on Wood (unless indicated)) | 12.18; 12.75; 13.19; 13.36; 13.39; 13.50; 14.17; 14.35 |
| 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; 147+04.31 |
| Project No., Type of Construction, and Year Constructed | 14.26; 37CDE–01–07M, RESURFACE, 2010 |
| Project No., Type of Construction, and Year Constructed | 37CD–01–02M, REPAIR & MAINT., 2004 |

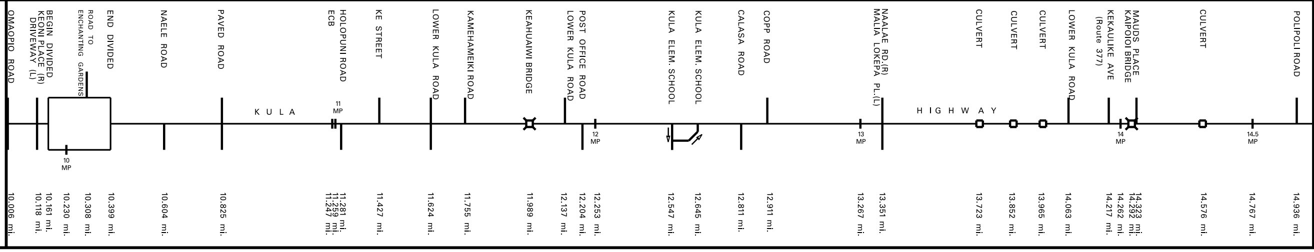


**Road Diagram**

* MP=Milepost Signage

CONTINUED FROM SHEET # 2

10.00 mi.



15.00 mi.

CONTINUES ON SHEET #4

| | |
|---|---|
| SCALE: (In Miles) 4" = 1 mile | 10 · 11 · 12 · 13 · 14 · 15 |
| Divided Highway – Undivided – Shoulder: Width and Type | 6' AC; 2' – 6' AC |
| Undivided – Pavement: Width and Type | 24' AC; 12' AC (.161–.399); 24' AC; 24' AC |
| Undivided – Shoulder: Width and Type | 6' AC; 0 (.161–.399); 6' AC; 2' – 6' AC |
| 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) | .244; .365 |
| (Right Side) | .248; .308 |
| Frontage Road: No. of Lanes, and Width (Right and Left) | |
| Sidewalk: Width and Type (Right and Left) | 3' Conc. S.W. .987 – .025 |
| Curb and/or Gutter: Type (Right and Left) | C.C. 2' C.G. .986 – .023; C.C. 2' C.G. .987 – .025; 2' Conc. Gutter .270 – .385 |
| Protective Devices: Type, Location and Number (All Metal Rails on Metal Posts unless otherwise noted.) | .031; .114; .340; .391; .450; .534; .722; .823; .900; 10.99; .150; .203; .262; .295; .590; .624; .755; .797; .965; .051; .137; .169; .235; .274; .439; .703; .740; .932; .968; .145; .181; .232; .305; .378; .393; .584; .642; .704; .739; .845; .862; .144; .197; .278; .322; .621; .644 |
| Illumination: Type, Location and Number | .006; .113; .271; .390; .413; .480; .816; .880; .054; .090; .273; .588; .611; .739; .822; .064; .112; .192; .212; .264; .351; .658; .724; .883; .915; .938; .962; .025; .071; .141; .286; .358; .390; .566; .643; .716; .829; .978; .263; .326; .514; .607; .666; .857 |
| 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; 14.28; D; 14.37; 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; 11.14; C; 11.28; D; 11.57; C; 11.79; B; 11.99; C; 12.17; D; 12.72; C; 12.89; B; 13.11; C; 13.55; D; 13.65; C; 14.20; B; 14.53; C; 14.65; B; 14.80; A; 14.97; C |
| Vertical Curve: Crest or Sag, Curve Limits | |
| Area and Development: | SMALL URBAN (99998); .217; RURAL (99999) |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | ROLLING (2) |
| Speed: 1–Design, 2–Posted | 45 MPH (2); .455; 20 MPH (2); .759; .796; 45 MPH (2); .189; .271; 35 MPH (2) |
| Intersection Control Devices: Type, Location and Cycle Timing | 10.01; 14.93 |
| Traffic Stations (Current Year) | (B74 0037 00940); B74 0037 01214; B74 0037 01335; B74 0037 01422; (B74 0037 01680) |
| HPMS Sections – AADT 2019 | (9,529); 8,900; 12.55; 6,900; 14.22; 6,000; (2,900) |
| HPMS Sections – AADT 2018 | (15,000); 7,431; 6,900; 5,797; (2,036) |
| HPMS Sections – AADT 2017 | (10,800); 7,300; 5,600; 5,611; (2,000) |
| DOD Sections | |
| Census Tracts | |
| Functional Classification | MINOR ARTERIAL (4); 14.22; MAJOR COLLECTOR (5) |
| National Highway System (NHS) | NOT ON NHS (0) |
| Previous Projects: Project No., Date and Limits | STP–037–1(21) RESURFACE 1999; 14.33; STP–037–1(18) WIDEN & RESURFACE 1994 |
| | STP–037–1(19) 1996 GUARDRAIL & SHOULDER; 14.33 |
| | 37C–01–88M 1988 RESURFACE; 37D–01–75 1978 WIDEN & RESURFACE |
| | BF–037–1(1) 1962; 14.31; FAP 13A 1932 |
| SCALE: (In Miles) 4" = 1 mile | 10 · 11 · 12 · 13 · 14 · 15 |

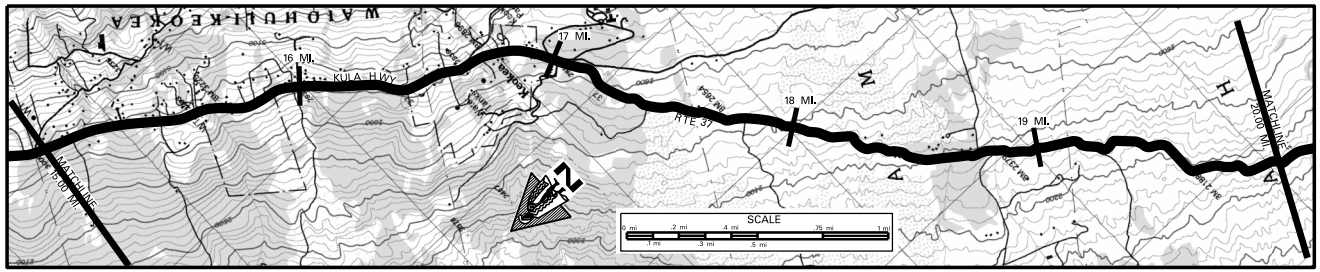
| Date Released | |
|---|---|
| Oct 2004 | GN |
| Revised | |
| Nov., 06 | D.B. |
| Dec., 10 | D.B. |
| Feb. 11 | D.B. |
| Feb. 12 | D.B. |
| Feb. 13 | E.P.J. |
| Dec. 13 | E.P.J. |
| July 14 | D.B. |
| Jan 16 | E.P.J. |
| Jan 17 | E.P.J. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

# 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

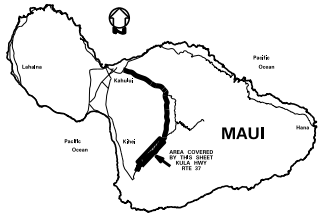



SCALE: (In Miles) 4" = 1 mile

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
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
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

| Feature | MP | Log Mile |
|---|---|---|
| PUEO DRIVE CULVERT | 15 MP | 15.062 mi. |
| LAUIE DR. LEPELIFE PLACE WAIOHULI "A" BR. | | 15.209 mi. |
| MALIA ULI PL. CULVERT | | 15.241 mi. |
| MALAMAHALE PL. | | 15.300 mi. |
| WAIOHULI "B" BR. KULA MAKAI FARM LN. | | 15.370 mi. |
| | | 15.411 mi. |
| | 15.5 MP | 15.564 mi. |
| MAUKAINAN ROAD | | 15.627 mi. |
| | | 15.678 mi. |
| | | 15.772 mi. |
| CULVERT | | 15.975 mi. |
| | 16 MP | 16.147 mi. |
| | | 16.275 mi. |
| CROSS ROAD | | 16.642 mi. |
| PAVED ROAD TO PARK | 16.5 MP | 16.775 mi. |
| THOMPSON ROAD KEOKEA PL. | | 16.798 mi. |
| | | 16.909 mi. |
| (ROAD TO KULA SANITORIUM) | | 17.000 mi. |
| KAAMANA RD | 17 MP | 17.220 mi. |
| | 17.5 MP | 17.276 mi. |
| | | 17.778 mi. |
| | 18 MP | 18.261 mi. |
| CULVERT | | 18.609 mi. |
| KAMAOLE RD. | | 18.688 mi. |
| KEALAKAPU ROAD | 18.5 MP | 18.721 mi. |
| (DOCTOR SUN YAT SEN MEMORIAL PARK) | | 18.778 mi. |
| | 19 MP | 19.274 mi. |
| | 19.5 MP | 19.778 mi. |

CONTINUES ON SHEET # 5 — 20.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided
Shoulder: Width and Type: 2' – 8' AC; 2' AC
Pavement: Width and Type: 24' AC; 22' AC; 20' AC
Shoulder: Width and Type: 2' – 6' AC; 2' AC

Divided Highway — Median
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)
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 01680; B74 0037 01722
HPMS Sections – AADT 2019: 2,900; 1,800
HPMS Sections – AADT 2018: 2,036; 1,500
HPMS Sections – AADT 2017: 2,000; 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: 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 E–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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

ROAD INVENTORY

# MAUI RTE 37
# HALEAKALA HWY & KULA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

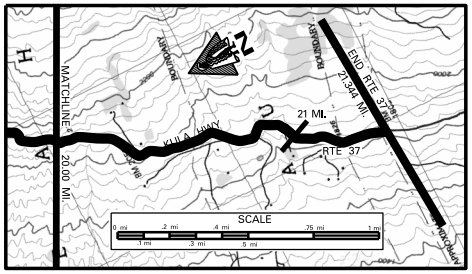
PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**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

20 | 21 | 22 | 23 | 24 | 25

**Maintenance Control Sections : Length and Description**

**Structure Carrying Road**

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

**Structure Over Road**

- Vertical Clearance
- Horizontal Clearance

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

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

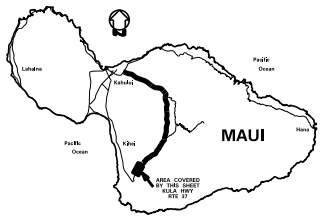
**Right of Way Fence: Type – Right and Left** — WIRE ON WOOD / WIRE ON WOOD (20.88)

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

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

**Project No., Type of Construction, and Year Constructed** — 37E–01–12M, PAVEMENT PREV. MAIN., 2013 (20.38 – 21.34)

**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 — 21.183 mi.

END STATE HWY SIGN — 21.38 — 21.386 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH "A" NOECLG & "A" FEATURES DATABASE.

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

*21.344 mi.

SCALE: (In Miles) 4" = 1 mile

20 | 21 | 22 | 23 | 24 | 25

**Divided Highway — Undivided**

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

**Divided Highway**

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

**Number of Traffic Lanes** — 2 – 10'

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

**(Right Side)**

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

**Sidewalk: Width and Type (Right and Left)**

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

**Protective Devices: Type, Location and Number** — All Metal Rails on Metal Posts unless otherwise noted. RW = Rock 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)** — RW 0.00; D 0.00 – 0.05; A 0.05 – 0.20; D 0.20 – 0.40; A 0.40 – 0.45; D 0.45 – 0.60; E 0.60 – 0.70; D 0.70 – 0.80; E 0.80 – 0.90; A 0.90 – 0.95; E 0.95 – 0.97; 20.97 – 21.00; E 21.00 – 21.05; D 21.05 – 21.20; A 21.20 – 21.25; B 21.25 – 21.30; A 21.30 – 21.34

**Superelevation (Range)**

**Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)** — C 0.00 – 0.20; D 0.20 – 0.80; C 0.80 – 21.34

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development:** — RURAL (99999)

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous** — ROLLING (2) (21.34)

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

**Intersection Control Devices: Type, Location and Cycle Timing**

**Traffic Stations (Current Year)** — 874 0037 01722

**HPMS Sections – AADT 2019** — 1,800

**HPMS Sections – AADT 2018** — 1,500 (20.0)

**HPMS Sections – AADT 2017** — 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** — 37E–01–93M RESURFACE 1994

SCALE: (In Miles) 4" = 1 mile

20 | 21 | 22 | 23 | 24 | 25

| Date Released | |
|---|---|
| Oct 2004 | GN |

| Revised | |
|---|---|
| Nov., 06 | D.B. |
| April, 09 | D.B. |
| Jan., 10 | D.B. |
| Feb. 11 | D.B. |
| 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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

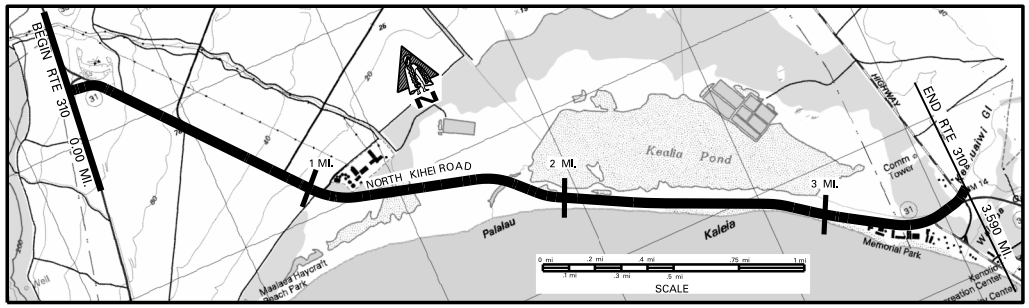
# ROAD INVENTORY
# MAUI RTE 310
# NORTH KIHEI ROAD

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 | 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 0.00 Miles from Begin Rte 310 — None for County

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

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

Right of Way Width (min.–max.) If varies: 200' 130' 60' 40' 110' – 160' 160' – 340'

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

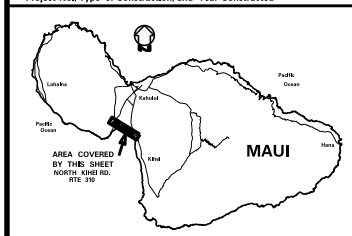
Right of Way Fence: Type – Right and Left: Wire, Wire, Wire

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

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

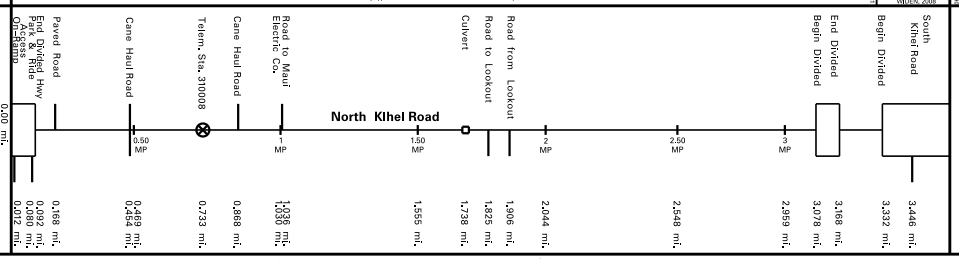
Project No., Type of Construction, and Year Constructed: 310A–01–13M, RESURFACE, 2014

Project No., Type of Construction, and Year Constructed: STP–0310(4), PREVENTIVE MAINTENANCE, 2009; NH–A311(4) WIDEN, 2008




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**
* MP = Milepost Signage




* 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; Milled Shoulder Rumble Strip; 6' AC; 10' AC; 6' AC |
| Pavement: Width and Type (Note: Pavement Widths Include Turning Lanes from 0.00 to 0.30) | 42' AC; 24' AC; 22' AC; 12' AC; 38' AC; 12' AC; 24' AC |
| Shoulder: Width and Type | 0; 10' AC; Milled Shoulder Rumble Strip; 6' AC; 0'; 6' AC; 0' |
| Median: Width and Type | (0–10') Painted AC; Milled Shoulder Rumble Strip; Milled Centerline Rumble Strip; (0–12') Painted AC; 0'; 0'–12' Painted AC; 12'–24' Painted AC |
| Shoulder: Width and Type | 0; 0' |
| Pavement: Width and Type (Note: Pavement Widths Include Turning Lanes from 0.00 to 0.30) | (16' AC); 12' AC; 12' AC; 24' AC; 12' AC |
| Shoulder: Width and Type | 10' AC; 6' AC; 6' AC |

Number of Traffic Lanes: 2–11'; 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): (3–14') (1–16') 2–12' (R) TL; 2–14' (R) TL; 2–12' (L) TL; 2–12' (R) TL; All 12' Turning Lanes
(Right Side): Two–Way (L) Turning Lanes; All 12' Turning Lanes; 2–12' TL

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

Sidewalk: Width and Type (Right and Left): 6' Conc. S.W.

Curb and/or Gutter: Type (Right and Left): None

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): A; B; A; B; A; B; A; D

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban (99998)

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

Speed: 1–Design, 2–Posted: 45 MPH (2); 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 00085; B74 0310 00104

HPMS Sections – AADT 2019: 17,900; 18,000

HPMS Sections – AADT 2018: 17,300; 17,600

HPMS Sections – AADT 2017: 17,100; 16,000

DOD Sections

Census Tracts

Functional Classification: Minor Arterial (4)

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

Previous Projects: Project No., Date and Limits

BR–NH–030–1(24) New Alignment, 2002; 310A–01–09M, (R) 2001; 310A–01–01M (R) 1992; 310A–01–01M (R) 1992; HWY–A–02–20M (R) 1976; WDRC 14(1) 1948; STP–031–1(8), (R) 1998; STP–031–3(8), (R) 1998; STP–0900(58), G,R, & SHLDR, IMP., 2004; TQF–RF–031–1(8), 1991 (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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

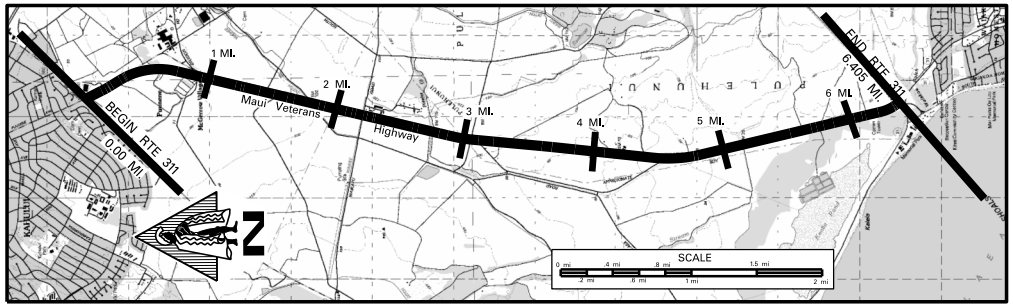
# ROAD INVENTORY
# MAUI RTE 311
# MAUI VETERANS HIGHWAY

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)

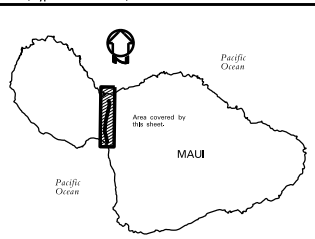
Right of Way Fence: Type – Right and Left: Chain Link; Chain Link; Chain Link; Chain Link

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

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

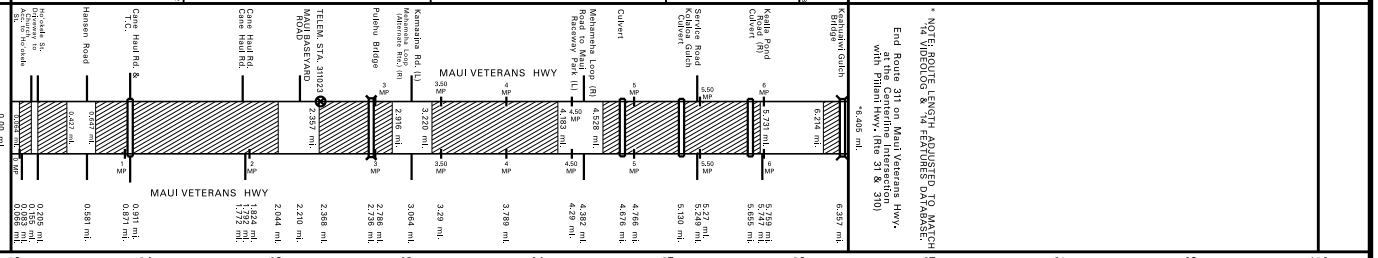
Project No., Type of Construction, and Year Constructed: NH–A311(008), Pavement Preventive Maintenance, 2015; 311A–01–15M, PREVENTIVE MAINTENANCE, 2017

Project No., Type of Construction, and Year Constructed: NH–A311(3), Widening, 2003; NH–0311(5), WIDENING, 2005; NH–A311(6), Widen, 2008; NH–311–(7), WIDENING, 2006; (NH–A311(4), Widen, 2008)




**Road Diagram**

* MP = Milepost Signage




SCALE: (In Miles) 2" = 1 mile

**Divided Highway — Undivided**

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

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

Shoulder: Width and Type: (18' AC Paint); 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; (18'–25' Grass Flush)

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

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

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

Number of Traffic Lanes: 4–12'; 4–12'

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

(Right Side) (All Turning Lanes 12')

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

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.

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; 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; 2 Phase; 4 Phase; 3 Phase; 3 Phase

Traffic Stations (Current Year): B74 0311 00020; P74 0311 00237

HPMS Sections – AADT 2019: 27,900

HPMS Sections – AADT 2018: 27,995; 34,900

HPMS Sections – AADT 2017: 27,500; 34,300

DOD Sections: 35,200

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; NH–0311(5), WIDENING, 2005; 311A–02–03M, Resurf., 1993; NH–311–(7), WIDENING, 2006; 311A–03–03 Imprv, 1994; HS–0311(1), Resurf., 1988; 311A–02–03M, Resurf., 1993; SOS–0900(21), 1984 Safety Improv.; County

SCALE: (In Miles) 2" = 1 mile

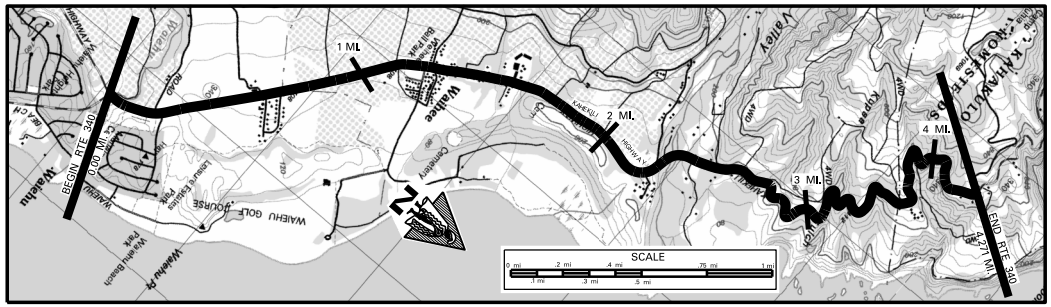
| Date Released | |
|---|---|
| Feb 2004, D.B. | |
| **Revised** | |
| May 04 | D.B. |
| Sept 04 | D.B. |
| Feb., 06 | D.B. |
| Nov., 06 | D.B. |
| Mar. 09 | D.B. |
| Jan., 10 | D.B. |
| Feb. 11 | D.B. |
| Feb. 12 | D.B. |
| Sept. 12 | E.P.J. |
| Dec. 12 | E.P.J. |
| July 14 | D.B. |
| Jan 16 | E.P.J. |
| Jan 17 | E.P.J. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | 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) — End 340 C, 320' North of North end of Waihee Bridge #2

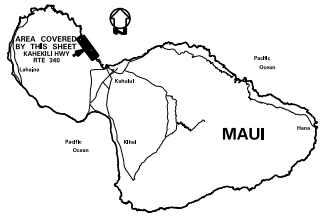
**Structure Carrying Road**

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

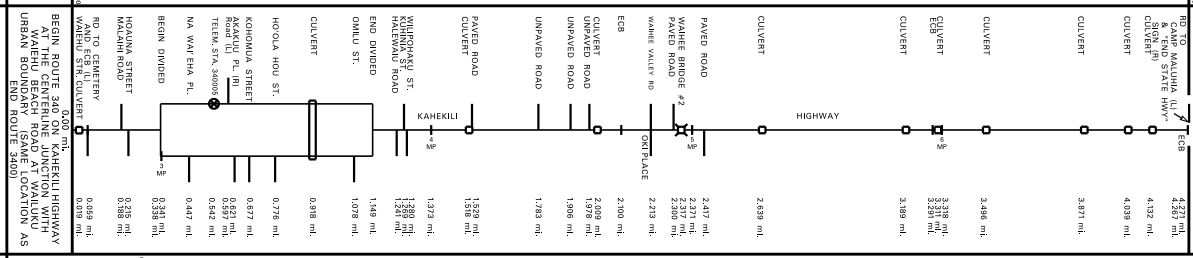
**Structure Over Road**

| | |
|---|---|
| Vertical Clearance | |
| Horizontal Clearance | |

| | |
|---|---|
| Right of Way Width (min.–max.) If varies | 70' – 240'; 80' – 200'; 40' |
| Available Right of Way Width (Needs Study) | CLEAR 1000' SUGAR, 25' FROM PAVEMENT; RES. AREA; HEAVY BRUSH AND TREES / PASTURE BEYOND |
| Right of Way Fence: Type – Right and Left | CHAINLINK 10' FROM PAVEMENT |
| Control of Access: 1–None, 2–Partial, 3–Full | N O N E |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | S T A T E |
| Project No., Type of Construction, and Year Constructed | PERMIT MA–05–17, IMPR., 2006; PERMIT #MA–07–15, IMPRVTS., 2008 |
| Project No., Type of Construction, and Year Constructed | 340D–01–05M, RESURF., 2007 |




**Road Diagram**
* MP = Milepost Signage




SCALE: (In Miles) 4" = 1 mile

**Divided Highway — Undivided**

| | |
|---|---|
| Shoulder: Width and Type | 6' AC; 2'–4' GRS; 2'–6' AC; 2'–4' GRS; 8' AC; 2'–4' GRS; 2' AC; 0; 2' AC; 2' AC & 10' Grass; 2' AC; 2'–4' AC |
| Pavement: Width and Type | 24' AC; 12' AC; 22' AC; 20' AC; 22' AC; 20' AC |
| Shoulder: Width and Type | 6' AC; 0; 2' AC; 2' AC & 10' Grass; 2' AC; 2'–4' AC |
| Median: Width and Type | 10' PAINT |
| Shoulder: Width and Type | 0 |
| Pavement: Width and Type | 12' AC |
| Shoulder: Width and Type | 8' 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. |
| Curb and/or Gutter: Type (Right and Left) | 4'–8' CONC. S.W.; 2' CONC. GUTTER (RIGHT); 6' CONC. GUTTERS; 6' CONC. GUTTER; AC Curb |
| 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) | C A AB A A B AB A A C A D BAB D F F E F E AF E EF E A F |
| Superelevation (Range) | |
| Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45) | C B A B A C B A B D |
| 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 | N/A |
| Traffic Stations (Current Year) | B74 0340 00055; B74 0340 00221 |
| HPMS Sections – AADT 2019 | 6,800; 1,100 |
| HPMS Sections – AADT 2018 | 6,800; 1,300 |
| HPMS Sections – AADT 2017 | 6,800; 847 |
| DOD Sections | |
| Census Tracts | |
| Functional Classification | MAJOR COLLECTOR (5) |
| National Highway System (NHS) | NOT ON NHS (0) |
| Previous Projects: Project No., Date and Limits | |
| | 340D–01–93M, RESURFACE, 1994 |
| | (340D6–01–97M, RESURFACE, 1998) |
| | S–0341(3) COUNTY; S–0330(2) COUNTY |
| | 1966; 1967 |

SCALE: (In Miles) 4" = 1 mile

| Date Released |
|---|
| Oct 2004 GN |

| Revised | |
|---|---|
| Nov. 06 | D.B. |
| Feb. 08 | D.B. |
| Dec. 09 | D.B. |
| Feb. 11 | D.B. |
| 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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

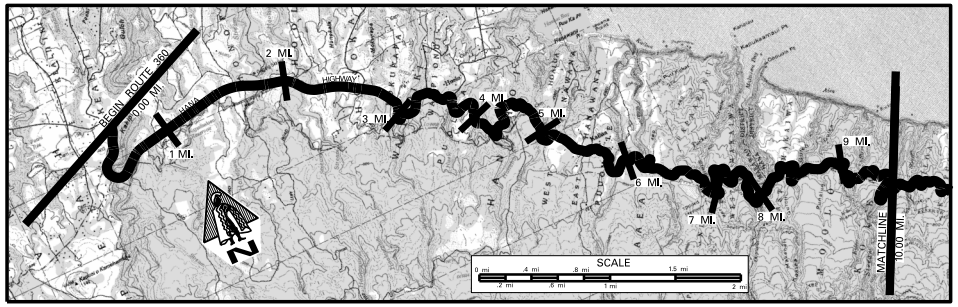
# ROAD INVENTORY
# MAUI RTE 360
# HANA HIGHWAY

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: Culvert 1966 HS 20 (33'); Steel Multistringer 1941 HS 20 (210'); Tee Beam 1929 (49'); Tee Beam 1929 – H15 (40'); Tee Beam 1930 – H15 (64'); Tee Beam 1925, H15 (30'); Slab 1928, H15 (18'); Tee Beam 1928, H10 (22'); Slab 1911, H15 (41')

Vertical Clearance

Horizontal Clearance

**Structure Over Road**

Vertical Clearance: 24' 24' 16' 20' 19' 20' 16' 15' 12'

Horizontal Clearance

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

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

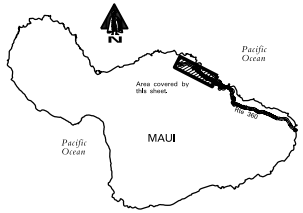
Right of Way Fence: Type – Right and Left (W/W = Wire on Wood): W/W

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

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

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

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




**Road Diagram**
* MP = Milepost Signage

BEGIN RTE 360 ON HANA HIGHWAY AT THE CENTERLINE JUNCTION WITH KAUPAKALUA ROAD (SAME AS END RTE 30).

HANA HIGHWAY

Culvert; Gated Driveway; Gated Driveway; Honopou Rd.; Ulalena Lp.; Hoolawa Br. ECB(L); Lupi Rd.; Ulalena Loop 2.638 mi.; E. Waiolo Rd.; Dowl Oil Edith Rd. (Public Telephone(L)); Culvert; Hoalua Bridge; Puuomalle Pl. Culvert; Puuomalle Rd.; Kalua Bridge; Public Telephone(L) Driveway; Nahiliholehe Br.; PA Culvert; ECB(L); Opuola Br.; Makamali Br.; Kaaiea Br.; Kalua Culvert; Wakamoi Br. Trail (R); Wakamoi Br. ECB(L)

MP 0 1 2 3 3.5 4 4.5 5 5.5 6 6.5 7 7.5 8 8.5 9 10

0.000 mi. 0.461 mi. 0.695 mi. 1.017 mi. 1.439 mi. 1.675 mi. 1.899 mi. 2.017 mi. 2.138 mi. 2.176 mi. 2.638 mi. 3.002 mi. 3.382 mi. 3.517 mi. 3.599 mi. 3.947 mi. 4.253 mi. 4.445 mi. 4.931 mi. 5.064 mi. 5.444 mi. 5.495 mi. 5.695 mi. 5.889 mi. 5.932 mi. 5.981 mi. 6.201 mi. 6.440 mi. 6.900 mi. 7.032 mi. 7.364 mi. 7.700 mi. 7.813 mi. 7.876 mi. 8.213 mi. 8.399 mi. 8.545 mi. 8.899 mi. 9.132 mi. 9.239 mi. 9.447 mi. 9.893 mi. 9.926 mi. 10.000 mi.

CONTINUED ON SHEET #2.

SCALE: (In Miles) 2" = 1 mile

**Divided Highway – Undivided**

Shoulder: Width and Type: 6'–8' AC; 2' AC; 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): Masonry Wall; Masonry Wall

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

Protective Devices: Type, Location and Number (Metal Rails on Metal Posts unless otherwise noted): 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); Rural (99999)

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

Speed: 1–Design, 2–Posted: 35 MPH (1); 35 MPH (2); 35 MPH (2); 25 MPH (2); 25 MPH (21); 15 MPH (2); 15 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B74 0360 00000; B74 0360 01049

HPMS Sections – AADT 2019: 3,156; 1,865

HPMS Sections – AADT 2018: 3,100; 1,832

HPMS Sections – AADT 2017: 4,000; 1,800

DOD Sections

Census Tracts

Functional Classification: Major Collector (5)

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

Previous Projects: Project No., Date and Limits: ARH–0360(10), PREV. MAINT., 2010; STP–0900(39), (R) 1996; 360A–01–80, 1981; 360A–01–82, 1983 (Imprv.) & 360A–01–83M, 1983 (Resurfacing); 360A–01–94M, 1995 (Resurfacing & Improvements); 360A–01–80M, (Imprv) 1981; C–360–01–83, 1987; County; A–360–01–02, 1962; (360A–01–00M, 2002, Repairs & Maintenance)

SCALE: (In Miles) 2" = 1 mile

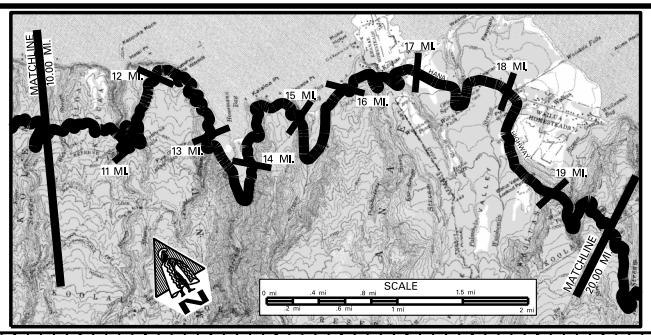
| Date Released | |
|---|---|
| Oct. 2003, D.B. | |
| **Revised** | |
| Sept. 04 | D.B. |
| Nov., 06 | D.B. |
| Dec. 09 | D.B. |
| Feb. 11 | D.B. |
| Feb. 12 | D.B. |
| Sept. 12 | E.P.J. |
| Dec. 13 | E.P.J. |
| July 14 | D.B. |
| Jan 16 | E.P.J. |
| Jan 17 | E.P.J. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | 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 Waikamoi Br./Bridge. 360 B (16.57 mi.)

Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed: Tee Beam 1912, H15 56'; Tee Beam 1912, H15 34'; Tee Beam 1911, H15 34'; Tee Beam 1911, H15 48'; Tee Beam 1911, H15 35'; Tee Beam 1916, H15 28'; Tee Beam 1916, H15 31'; Tee Beam 1921, H15 24'; Cantilevered Conc. Deck 2006, HL-93 100'; Conc. Masonry Arch 1926, H15 108'

Structure Over Road — Vertical Clearance: 15'; 12'; 12'; 12'; 21'; 19'; 20'; 22'; 22'; 17'

Structure Over Road — Horizontal Clearance:

Right of Way Width (min.-max.) & varies: (40'–115') 14.45; 40'

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

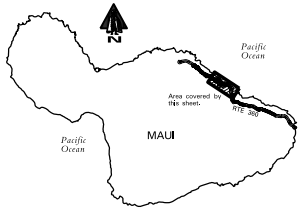
Right of Way Fence: Type – Right and Left: Wire; (ROCKFALL PROTECTION)

Control of Access: 1–None, 2–Partial, 3–Full: None; (360B–01–12M (R) 2016); (360B–01–09M (R) 1997)

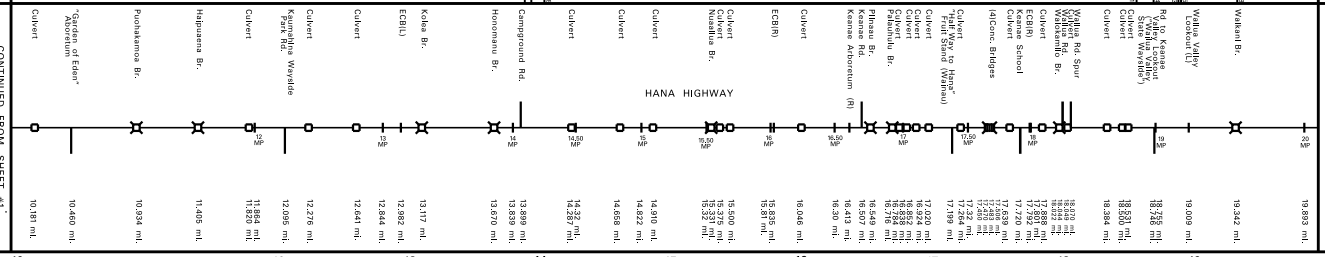
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): (360AB–01–09, Improvements (M.P.s 11.2, 14.7 to 14.9, 16.3), 2016); State; (360AB–02–03M Roadway Deck, 2006)

Project No., Type of Construction, and Year Constructed: 360AB–01–11M (R) 2016; (360B–01–93M (R) 1994)

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




**Road Diagram**
* MP – Milepost Signage




SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided: Shoulder: Width and Type: 0–2' Grass; 2' AC; 2' Grs.; 0; 2'–4' Grs.; 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): Masonry Wall; (3' Conc. Gutter); Masonry Wall; (1' Conc. Gutter)

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

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

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): 874 0360 01049

HPMS Sections – AADT 2019: 1,865

HPMS Sections – AADT 2018: 1,832

HPMS Sections – AADT 2017: 1,800

DOD Sections

Census Tracts

Functional Classification: Major Collector (5)

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

Previous Projects: Project No., Date and Limits: 360A–01–94M, 1995, Resurfacing & Improvements; 360AB–01–88M (R) 1999; (360AB–02–08, 2008, ROCKFALL MITIGATION); 360A–01–82, 1983 (Improv.) & 360A–01–83M, 1983 (Resurface); (360A–06–46, (Replacement) 1999); 360AB–01–91 (Resurface & Improv.) 1990; (360B–01–93M, 1994 (R)); (360B–01–09M, 1997); 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. |
| Feb. 18 D.B. |
| Nov. 18 D.B. |
| Jan 21 E.P.J. |

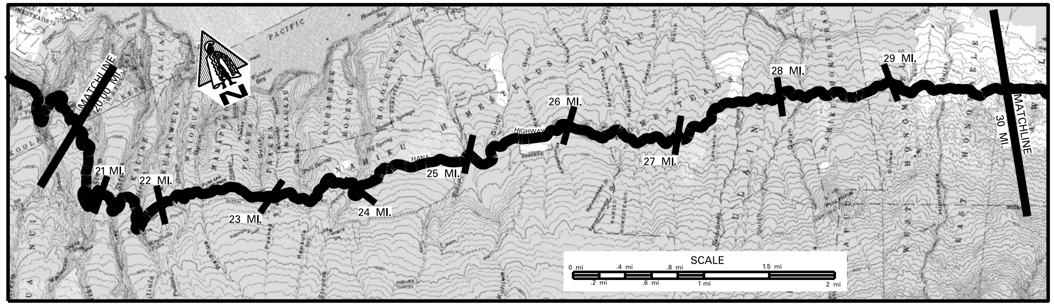
## ROAD INVENTORY
# MAUI RTE 360
# HANA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

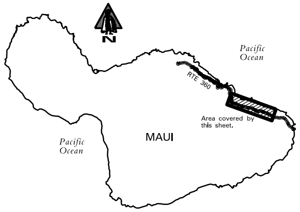
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

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



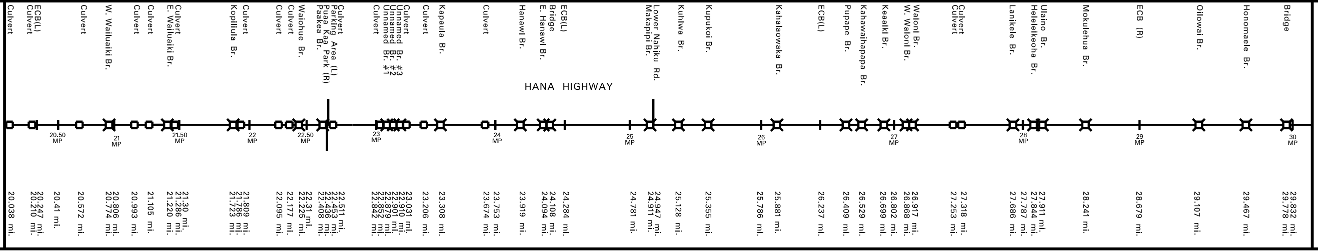
SCALE: (In Miles) 2″ = 1 mile

| Item | 20 – 30 |
|---|---|
| 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′ (20.83); Tee Beam 1926 H15 34′ (21.30); Tee Beam 1926 H15 76′ (21.81); Tee Beam 1926 H15 20′ (22.31); Tee Beam 1937 H15 40′ (22.47); Tee Beam 1920 H15 20′ (22.95); Tee Beam 1926 H15 49′ (23.33); Conc. Masonry Arch 1926 H15 60′ (23.99); Tee Beam 1926 23′ (24.16); Tee Beam 1926 – H15 40′ (24.98); Conc. Masonry Arch – H15 – 1926 – H15 60′ (25.20), 24′ (25.42); Tee Beam 1926 24′ (25.95); Tee Beam H15 1926 24′ (26.48), 1922 60′ (26.60), 1921 22′ (26.77), 1920 29′ (26.94), 1920 24′ (27.01); Tee Beam – H15 1917 51′ (27.76), 1917 28′ (27.92), 1914 39′ (27.98); Slab 1908 – H15 48′ (28.31); Tee Beam 1914 – H15 22′ (29.18); Tee Beam 1924 – H15 38′ (29.54) |
| Vertical Clearance | |
| Horizontal Clearance | 20′; 18′; 14′; 22′; 13′; 12′; 16′; 20′; 16′; 16′; 16′; 16′; 16′; 16′; 16′; 16′; 16′; 16′; 16′; 16′; 16′; 13′; 16′; 16′ |
| Structure Over Road – Vertical Clearance | |
| Horizontal Clearance | |
| Right of Way Width (min.–max.) if varies | 40′ |
| Available Right of Way Width (Needs Study) | Heavy Grass & Trees; 27.36 – 27.64; Res. / Farm Area 27.64 – 29.03; Clr. 1000′ – Pasture, Grass – 15′ from Pvmt. |
| Right of Way Fence: Type – Right and Left W/W = Wire on Wood | W/W 22.62 – 22.87; W/W 23.56 – 23.79; W/W 24.36 – 24.44; W/W 25.10 – 25.21; W/W 25.44 – 25.61; Wire on Wood 27.36 – 27.73; W/W 27.66 – 27.71; W/W 28.62 – 28.69 |
| Control of Access: 1–None, 2–Partial, 3–Full | None |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | (360AB–01–88 (R) 1990) 1089+50; State; 1226+00; 1385+00 |
| Project No., Type of Construction, and Year Constructed | 360B–01–12M (Resurface) 2016; 1089+50 23.30; 360B–01–08M, RESURFACE, 2010; 26.94; 360B–01–09M, RESURFACE, 2010; 28.95 |
| Project No., Type of Construction, and Year Constructed | 360B–01–95M (Resurface) 1997; 23.33; 23.38; 360B–01–93M (R) 1994; 28.88; 360B–01–96M (R) 1997 |



**Road Diagram**
* MP = Milepost Signage

CONTINUED FROM SHEET #2:



| Feature | Location |
|---|---|
| Culvert | 20.038 mi. |
| ECB(L) Culvert | 20.247 mi. 20.210 mi. |
| | 20.41 mi. |
| Culvert | 20.572 mi. |
| W. Wailuaiki Br. | 20.806 mi. 20.774 mi. |
| Culvert | 20.993 mi. |
| Culvert | 21.105 mi. |
| Culvert E. Wailuaiki Br. | 21.30 mi. 21.286 mi. 21.220 mi. |
| Kopiliula Br. Culvert | 21.809 mi. 21.786 mi. 21.723 mi. |
| Culvert | 22.095 mi. |
| Culvert | 22.177 mi. |
| Waiohue Br. | 22.31 mi. 22.225 mi. |
| Culvert Parking Area (L) Puaa Kaa Park (R) Paakea Br. | 22.511 mi. 22.453 mi. 22.436 mi. 22.408 mi. |
| Culvert Unnamed Br. #3 Unnamed Br. #2 Unnamed Br. #1 Culvert | 23.031 mi. 22.910 mi. 22.901 mi. 22.879 mi. 22.852 mi. 22.842 mi. |
| Culvert | 23.206 mi. |
| Kapaula Br. | 23.308 mi. |
| Culvert | 23.674 mi. 23.753 mi. |
| Hanawi Br. | 23.919 mi. |
| Bridge E. Hanawi Br. | 24.108 mi. 24.094 mi. |
| ECB(L) | 24.284 mi. |
| | 24.781 mi. |
| Lower Nahiku Rd. Makapipi Br. | 24.947 mi. 24.911 mi. |
| Kuhiwa Br. | 25.128 mi. |
| Kupukoi Br. | 25.355 mi. |
| Kahalaowaka Br. | 25.786 mi. 25.881 mi. |
| ECB(L) | 26.237 mi. |
| Pupape Br. | 26.409 mi. |
| Kahawaihapapa Br. | 26.529 mi. |
| Keaaiki Br. | 26.699 mi. |
| Waioni Br. W. Waioni Br. | 26.802 mi. 26.868 mi. 26.917 mi. |
| Culvert Culvert | 27.253 mi. 27.318 mi. |
| Lanikele Br. | 27.686 mi. |
| Ulaino Br. Heleleikeoha Br. | 27.787 mi. 27.844 mi. 27.911 mi. |
| Mokulehua Br. | 28.241 mi. |
| ECB (R) | 28.679 mi. |
| Oilowai Br. | 29.107 mi. |
| Honomaele Br. | 29.467 mi. |
| Bridge | 29.778 mi. 29.832 mi. |

CONTINUED ON SHEET #4.

SCALE: (In Miles) 2″ = 1 mile

| Item | 20 – 30 |
|---|---|
| Undivided – Shoulder: Width and Type | 0–2′ Grass (to 23.38); 2′–3′ AC (23.38 – 28.95); 0–2′ Grass |
| Pavement: Width and Type | 16′–22′ AC (to 28.95); 18′ AC |
| Shoulder: Width and Type | 0–2′ Grass (to 23.38); 1′ AC (23.38 – 28.95); 0–2′ Grass |
| 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–(8′–11′); 28.95; 2–9′ |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | |
| (Right Side) | |
| Frontage Road: No. of Lanes, and Width (Right and Left) | |
| Sidewalk: Width and Type (Right and Left) | (2′ Conc. Gutter) |
| Curb and/or Gutter: Type (Right and Left) | .182 .241 (2′ Conc. Gutter); (2′ Conc. Gutters) .995 .044; (Masonry Wall); .050; 2′ Conc. Gutter; .946 .026 .116 .208 .270; (2′ Conc. Gutter); (Masonry Wall) .097 .134 |
| Protective Devices: Type, Location and Number | All Metal Rails on Metal Posts; (Masonry Wall); .639 .765 .792 .862 .908 .945 .957 .119 .137 .241 .445 .464 .826 .905 .009 .058 .147 .164 .360 .372; .306 .321; .363 .454 .464 .627 .948 .011 .244 .312 .709 .763 .771 .817 .991 .049 .256 .356 .922 .100 .127 .658 .665 .740 .763 .771 .786 .830 .872 .898 .914 |
| 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) | (E)→ FDF 20.38 EB CD ED EBD F 21.01 E 21.09 FDE F 21.50 EFE FD 21.79 F D C DA B AD E 22.18 FC 22.45 DE 22.61 DEF 22.78 DC EF E 23.01 FDC EFE FC 23.34 F 23.49 CA F EC F 23.69 E FEA 23.91 FE 24.09 CE FE 24.23 F E 24.37 D B 24.48 D A 24.58 D A C 24.68 D E 24.78 CA CE 24.92 FEF ABA 25.09 EC 25.19 E 25.49 D E D 25.59 A BAE FAF EB CD 26.08 ADE 26.25 FE 26.47 BA EF EA F EDF 26.90 E F 27.02 E A 27.15 EF 27.29 E A F 27.39 E C F E 27.67 BC EA 27.79 FEF 27.96 D F D 28.08 F C 28.18 F 28.28 EF 28.44 E 28.63 C E D 28.75 B D 28.87 F E 28.97 FE F AB 29.14 FDA 29.31 EF 29.59 EDA 29.86 B; 20.02 20.49 20.59 20.76 21.33 21.66 21.88 22.04 22.88 23.13 23.24 23.59 23.74 25.68 25.81 25.92 26.57 26.68 26.75 27.48 |
| 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 20.70 D 21.01 A 21.11 B 21.78 A 21.84 B 22.72 C 22.92 B 23.32 C 23.40 D 23.87 C 23.94 B 24.08 C 24.71 B 25.22 E 25.41 B 25.91 A 26.01 B 26.76 A 26.97 D 27.19 E 27.32 D 27.44 C 28.05 E 28.14 C 28.22 A 28.14 B 29.16 A 29.24 B 29.32 A 29.42 C 29.73 D 29.83 C |
| 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); .102; 35 MPH (2) |
| | 15 MPH (2) |
| Intersection Control Devices: Type, Location and Cycle Timing | |
| Traffic Stations (Current Year) | B74 0360 01049 |
| HPMS Sections – AADT 2019 | 1,865 |
| HPMS Sections – AADT 2018 | 1,832 |
| HPMS Sections – AADT 2017 | 1,800 |
| DOD Sections | |
| Census Tracts | |
| Functional Classification | Major Collector (5) |
| National Highway System (NHS) | Not on NHS (0) |
| Previous Projects: Project No., Date and Limits | |
| | 23.38; 360B–01–93 (R) 1994; 29.04 |
| | 22.52; 360AB–01–88 (Resurf. & Improv.) 1990; 24.03 |
| | 360B–01–85 1986; 23.58; County to State; 28.32; 29.04; 360B–01–80 (Imprv.) 1981 |
| | County |

SCALE: (In Miles) 2″ = 1 mile

| 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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

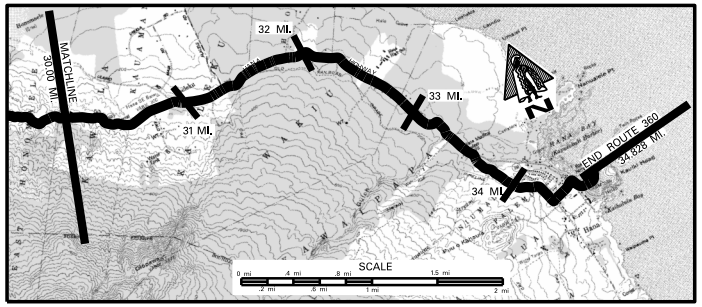
ROAD INVENTORY

# 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



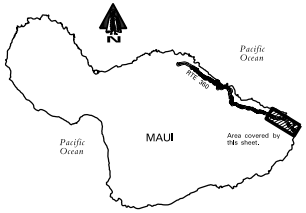

SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description: 360 B (16.51 mi.); End 360 B same as End Route.

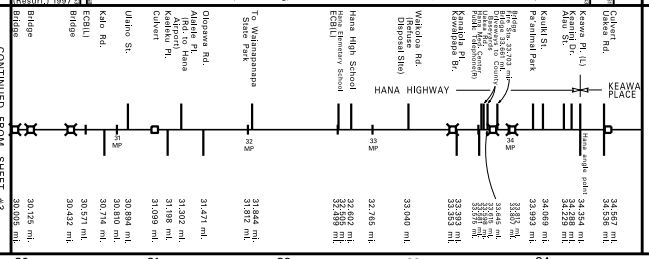
Structure Carrying Road / Structure Over Road

| | |
|---|---|
| Bridges (Over 20'): Length, Type, Capacity and Year Constructed | Tee Beam – H20 1947 |
| Vertical Clearance | 73' |
| Horizontal Clearance | |
| Vertical Clearance | 26' |
| Horizontal Clearance | |

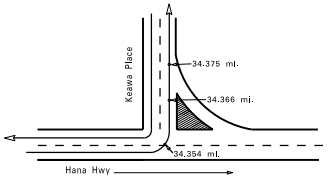
| | |
|---|---|
| Right of Way Width (min.-max.) 8' varies | 40' |
| Available Right of Way Width (Needs Study) | Bushes & Trees; Res. Area; Cl. 1000' Pasture to 15' from Pvmt.; Res. Area |
| Right of Way Fence: Type – Right and Left (W/W = Wire on Wood) | Wire; Wire; Wood; W/W; W/W; Various; W/W; W/W on Wood; Chain link; Chain link |
| Control of Access: 1–None, 2–Partial, 3–Full | None |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | State (1992-93) |
| Project No., Type of Construction, and Year Constructed | 360B–02–06M, Resurfacing, 2010 |
| Project No., Type of Construction, and Year Constructed | 360B–01–80 (Improv.) 1981; 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




* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '94 VIDEOLOG & '94 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.; 4' AC; 4'–8' AC |
| Pavement: Width and Type | 16'–22' 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) | (5' Conc. Sidewalk); (3' AC Sidewalk); AC Sidewalk; (3' Conc. Gutter); AC Roll Curb; AC Roll Curb; (Conc. Curb); (Wood Rail on Conc. Post) |
| Curb and/or Gutter: Type (Right and Left) | AC Roll Curb; AC Roll Curb; (Conc. Curb); (C.A.G.); (C.A.G.) |
| Protective Devices: Type, Location and Number (Metal Rails on Metal Posts unless otherwise noted.) | |
| Illumination: Type, Location and Number | MV; MV |
| Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62) | |
| Superelevation (Range) | |
| Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45) | C; B; C; D; A; C; B; A; B; C; B; A; C; A |
| Vertical Curve: Crest or Sag, Curve Limits | |
| Area and Development: | (Mountainous (3)); Rural (99999) |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | Flat (1); Rolling (2); Rolling (2) |
| Speed: 1–Design, 2–Posted | 35 MPH (2); 15 MPH (2); 35 MPH (2); 35 MPH (1); 35 MPH (2); Not Posted; Not Posted |
| Intersection Control Devices: Type, Location and Cycle Timing | |
| Traffic Stations (Current Year) | 874 0360 01049 |
| HPMS Sections – AADT 2019 | 1,865 |
| HPMS Sections – AADT 2018 | 1,832 |
| HPMS Sections – AADT 2017 | 1,800 |
| DOD Sections | |
| Census Tracts | |
| Functional Classification | Major Collector (5) |
| National Highway System (NHS) | Not on NHS (0) |
| Previous Projects: Project No., Date and Limits | 360B–01–80 (Improv.) 1981; 360B–01–96M (Resurf.) 1997; 360B–01–91M (R) 1991; 360B–01–75 (R) 1975; 360B–01–88 (Walkway) 1988; FAP 581(1), 1947; County; 360B–01–83M (Resurface) 1983; 360B–02–93M (Storm Drain Repair) 1993; (EB–12(5) (Roadway Repairs) 2002; 34.27; 34.01; 34.03; 34.21; 32.58; 31.38; 32.89; 32.91; 32.94; 33.20; 33.69; 34.00 |

SCALE: (In Miles) 2" = 1 mile

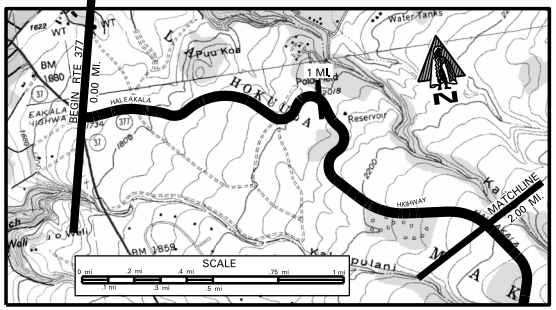
| Date Released | |
|---|---|
| Oct 2003, | D.B. |
| **Revised** | |
| Aug. 04 | D.B. |
| FEB., 06 | D.B. |
| Nov., 06 | D.B. |
| Dec. 09 | D.B. |
| Feb. 11 | D.B. |
| Feb. 12 | D.B. |
| Sept. 12 | E.P.J. |
| Dec. 13 | E.P.J. |
| July 14 | D.B. |
| Jan 16 | E.P.J. |
| Jan 17 | E.P.J. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

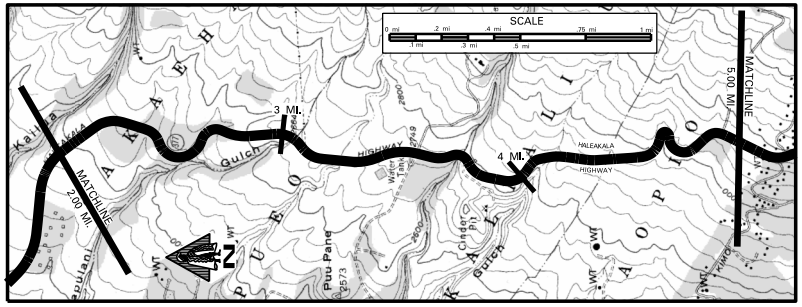
# ROAD INVENTORY
# MAUI RTE 377
# KEKAULIKE AVE & HALEAKALA HWY

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

**Vertical Clearance**: 150'

**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

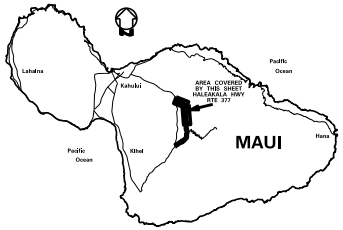
**Right of Way Fence: Type – Right and Left**: ALL WIRE ON WOOD FENCE; 20' – 60' FROM PAVEMENT; 10' – 30' FROM PAVEMENT

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

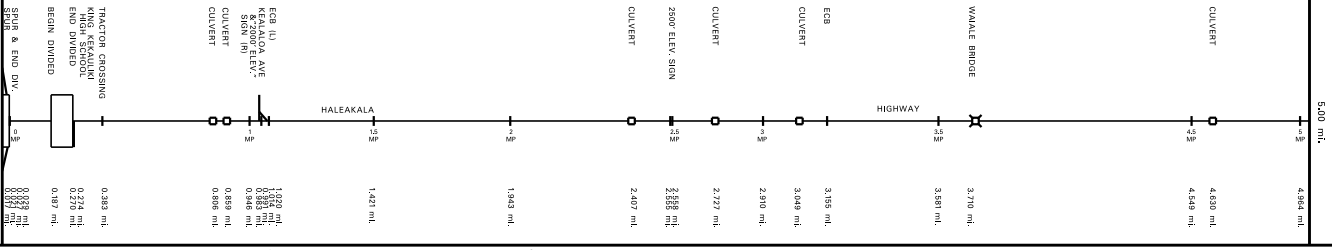
**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**: S T A T E

**Project No., Type of Construction, and Year Constructed**: (37C–01–14, INTERSECTION IMPROVEMENTS, 2018)

**Project No., Type of Construction, and Year Constructed**: 377A–02–81M 1981 RESURFACE; STP–0377(005), 2012, PREVENTIVE MAINTENANCE




**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) 0.022; 0.187; 2–11' 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)**: 0.033 1' T.L.; 0.276 1' T.L.; 0.806 1' T.L.

**(Right Side)**: 0.859 1' T.L.

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

**Sidewalk: Width and Type (Right and Left)**: 4' CONC. S.W.; NONE

**Curb and/or Gutter: Type (Right and Left)**: CONC. C&G.; NONE

**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)**: –7 .45; –7 .45; –7 .45

**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)**: P74 0377 00000

**HPMS Sections – AADT 2019**: 4,000

**HPMS Sections – AADT 2018**: 3,767

**HPMS Sections – AADT 2017**: 3,700

**DOD Sections**

**Census Tracts**

**Functional Classification**: MAJOR COLLECTOR (5)

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

**Previous Projects: Project No., Date and Limits**

0.033 STP–0377(3), 1995 GUARDRAIL AND SHOULDER IMPROVEMENT
0.28 STP–0377(4), 1994 RESURFACE
1.68 377A–01–83M 1983 RESURFACE
4.03 377A–01–86M 1985 RESURFACE
377A–02–81M 1981 RESURFACE
FAP 5B 1933 0.60
1.07 JOB #5569 1962 RESURFACE
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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

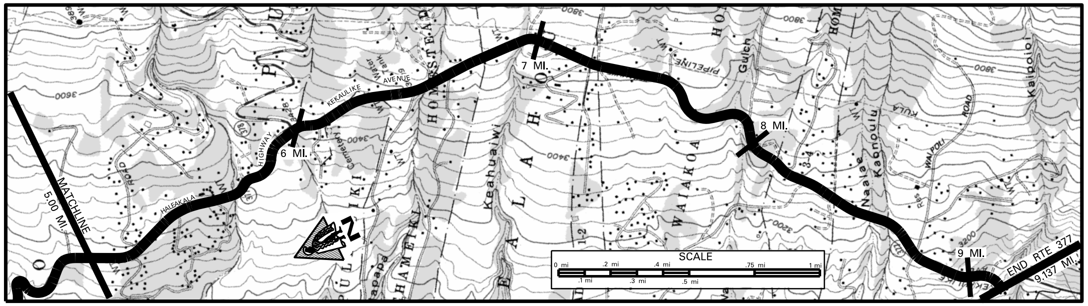
ROAD INVENTORY

# MAUI RTE 377
# KEKAULIKE AVE & HALEAKALA HWY

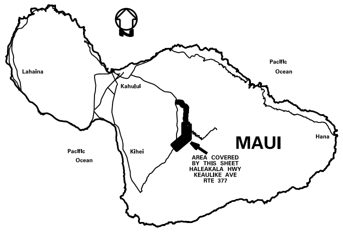
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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 | 5 · 6 · 7 · 8 · 9 · 10 |
| Maintenance Control Sections : Length and Description | 377A (9.13 MI); End 377A on Kekaulike Hwy. 50' East of centerline intersection with Kula Hwy. .137 |
| 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' |
| Structure Carrying Road – Vertical Clearance | |
| Structure Carrying Road – Horizontal Clearance | 22'; 22'; 24'; 22' 22' |
| 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) | 5.20; 5.67; 6.03; 6.07; 6.25; PASTURE AND RANCH AREA; 7.02; 7.53; 8.57; 8.60 |
| Right of Way Fence: Type – Right and Left — ALL WIRE ON WOOD FENCE 10'–20' FROM PVMT UNLESS NOTED | 20'–40' FROM PVMT; 10'–30' FROM PVMT; 5.58; 6.78; 6.96; 8.47; 8.80 |
| Control of Access: 1–None, 2–Partial, 3–Full | 5.11; 5.18; 6.02; N O N E |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | 1+10; S T A T E |
| Project No., Type of Construction, and Year Constructed | STP–0377(005), 2012, PREVENTIVE MAINTENANCE; 6.01; 377B–01–96M 1998 RESURFACE |
| Project No., Type of Construction, and Year Constructed | STP–0377(3) 1995 GUARDRAILS & SHLDR IMPR.; 6.02; RS–0377(2) 1987 IMPROVEMENTS |



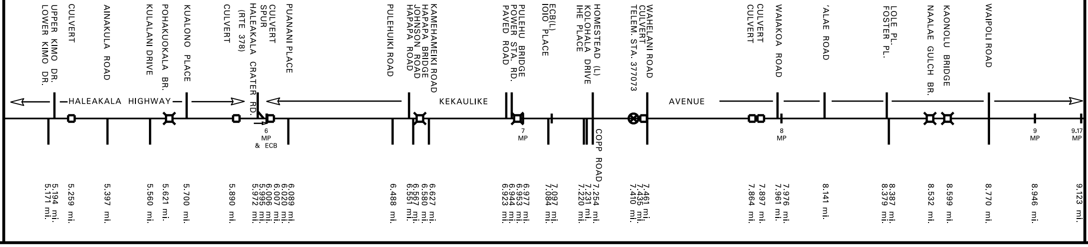
▨ Indicates Grass & / or Physical Barrier on Median.

## Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET # 1

5.00 mi.



| | |
|---|---|
| UPPER KIMO DR.<br>LOWER KIMO DR. | 5.194 mi.<br>5.171 mi. |
| CULVERT | 5.259 mi. |
| AINAKULA ROAD | 5.397 mi. |
| KULALANI DRIVE | 5.560 mi. |
| POHAKUOKALA BR. | 5.621 mi. |
| KUALONO PLACE | 5.700 mi. |
| CULVERT | 5.890 mi. |
| HALEAKALA CRATER RD. (RTE 378)<br>SPUR<br>CULVERT<br>PUANANI PLACE | 5.972 mi.<br>5.995 mi.<br>6.006 mi.<br>6.007 mi.<br>6.020 mi.<br>6.089 mi. |
| PULEHUIKI ROAD | 6.488 mi. |
| HAPAPA ROAD<br>JOHNSON ROAD<br>HAPAPA BRIDGE<br>KAMEHAMEIKI ROAD | 6.551 mi.<br>6.567 mi.<br>6.580 mi.<br>6.627 mi. |
| PAVED ROAD<br>POWER STA. RD.<br>PULEHU BRIDGE | 6.923 mi.<br>6.944 mi.<br>6.953 mi.<br>6.977 mi. |
| IOIO PLACE<br>ECB(L) | 7.084 mi.<br>7.097 mi. |
| IHE PLACE<br>KOLOHALA DRIVE<br>HOMESTEAD (L)<br>COPP ROAD | 7.220 mi.<br>7.231 mi.<br>7.254 mi. |
| TELEM. STA. 377073<br>CULVERT<br>WAHELANI ROAD | 7.410 mi.<br>7.435 mi.<br>7.461 mi. |
| CULVERT<br>CULVERT | 7.864 mi.<br>7.897 mi. |
| WAIAKOA ROAD | 7.961 mi.<br>7.976 mi. |
| 'ALAE ROAD | 8.141 mi. |
| FOSTER PL.<br>LOLE PL. | 8.379 mi.<br>8.387 mi. |
| NAALAE GULCH BR. | 8.532 mi. |
| KAONOLU BRIDGE | 8.599 mi. |
| WAIPOLI ROAD | 8.770 mi. |
| 9 MP | 8.946 mi. |
| 9.17 MP | 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 | 5 · 6 · 7 · 8 · 9 · 10 |
| Divided Highway – Undivided – Shoulder: Width and Type | 4' AC; 6.01; 6.02; 4' AC / 4' – 8' GRASS; 7.10; 4'AC / 10'–18' GRS; 7.25; 4' AC / 4' – 8' GRASS; .137 |
| Undivided – Pavement: Width and Type | 22' AC; .995; 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'; .995; 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) | NONE |
| Curb and/or Gutter: Type (Right and Left) — AC ROLLED CURBS | .146 .153 .171 .282; .215 .279; .005 .044; .970 .058; .149 .264; .577 .659; .694 .754; .789 .889; .901 .021; .617 .684; 6' SWALE |
| Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless otherwise noted. | .024 .036; .175 .194; .237 .267; .338 .365; .453 .475; .612 .654; .858 .923; .009 .034; .154 .164; .465 .485; .556 .602; .722 .781; .877 .968; .111 .137; .426 .445; .505 .523; .601 .641; .853 .870; .068 .114; .280 .305; .359 .379; .517 .576 .590 .617; .036 .093 |
| Illumination: Type, Location and Number | .021 .062; .174 .198; .233 .261; .317 .394; .441 .551; .574 .649; .814 .866; .982 .157; .375 .479; .538 .621; .700 .762; .868 .967; .087 .214; .259 .311; .376 .443; .503 .529; .587 .692; .855 .872 .893 .911 .939 .995; .030 .115; .249 .319; .359 .383 .405 .446 .478 .576 .590 .617; .727 .925; .946 .104 |
| 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 5.07 C 5.21 A 5.33 B 5.49 A 5.60 D 5.68 E 5.74 D 5.92 A 5.99 D 6.05 C 6.12 A 6.19 B 6.32 A 6.43 B 6.53 A 6.93 D 7.01 A 7.21 B 7.26 A 7.48 D 7.78 A 7.82 E 7.95 D 8.07 C 8.22 A 8.26 B 8.32 A 8.57 C 8.70 A 8.75 C 8.83 A 8.94 C 9.02 DF |
| Superelevation (Range) | |
| Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45) | 5.14 C 5.21 D 5.39 C 5.46 D 5.73 E 6.21 D 6.62 C 7.10 D 8.67 E 9.07 F |
| Vertical Curve: Crest or Sag, Curve Limits | |
| Area and Development: | SMALL URBAN (99998) |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | ROLLING (2) |
| Speed: 1–Design, 2–Posted | 30 MPH (2) |
| Intersection Control Devices: Type, Location and Cycle Timing | |
| Traffic Stations (Current Year) | P74 0377 00000; 6.01; B74 0377 00737 |
| HPMS Sections – AADT 2019 | 4,000; 1,100 |
| HPMS Sections – AADT 2018 | 3,767; 1,100 |
| HPMS Sections – AADT 2017 | 3,700; 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; 6.02 |
| | 377A–01–85M 1985 RESURFACE; 5.98; FAP–E–13A 1932; RS–0377(2) 1987 IMPROVEMENTS; FAP–E–13A 1932 |
| JOB #5569 1952 RESURFACE | 5.11; 6.62; 6.63; 6.99; 7.00; 8.57; 8.60; 8.63; 8.64; 9.00; BF–037–1(1) 1962 |
| | FAP – 5B 1929, 1933; 6.02; FAP – 13A 1932, 1934 |
| | |
| SCALE: (In Miles) 4" = 1 mile | 5 · 6 · 7 · 8 · 9 · 10 |

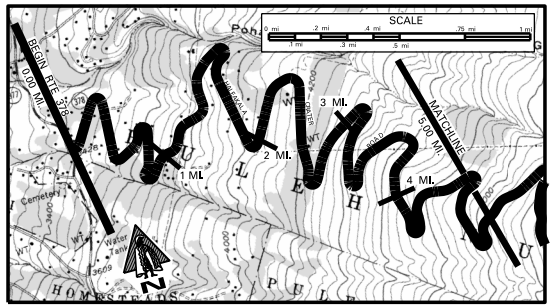
| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| FEB., 06 | D.B. |
| Nov., 06 | D.B. |
| Dec. 09 | D.B. |
| Feb. 11 | D.B. |
| Feb. 12 | D.B. |
| Sept. 12 | E.P.J. |
| Dec. 13 | E.P.J. |
| July 14 | D.B. |
| Jan 16 | E.P.J. |
| Jan 17 | E.P.J. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | 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

0.00 Begin 378A on Haleakala Crater Road 100' East of the centerline Intersection with Haleakala Hwy (East Spur) — 378A (10.13 MI)

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

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

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

Available Right of Way Width (Needs Study): 0.17 0.04 0.75 0.26 1.54 1.26 TREES AND BUSHES W/ SLIGHT CUT SLOPES — 2.26 OPEN PASTURE 1000' ACROSS

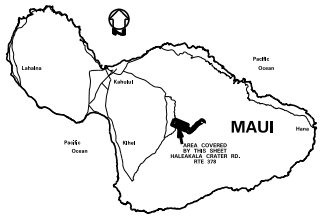
Right of Way Fence: Type – Right and Left (W. F. = WIRE FENCE): W.F. 0.17–0.26; W.F. 0.75–0.89; W.F. 1.54–1.74; W.F. 1.49–1.54 WOOD FENCE; W.F. 1.87–1.89; W.F. 1.97–2.13

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): 0.04 (STP-0377(005)) 2012; 2.27 (STP-0378(003)) 2012: STATE

Project No., Type of Construction, and Year Constructed: 0.04 (STP-0377(005)), 2012, PREVENTIVE MAINT.; 0.03 (378A-01-92M) 1993, RESURFACE; 0.04–2.27 STP-0378(003), 2012, PREVENTIVE MAINTENANCE

Project No., Type of Construction, and Year Constructed: 0.03–0.04 378A-01-04M, RESURFACE, 2006




**Road Diagram**
* MP = Milepost Signage

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

SPUR; PALENA PLACE; 3000' ELEV. Sign; PONI MOI PLACE; CULVERT; CULVERT; CULVERT; 4000' ELEV. Sign; CULVERT; CULVERT; CULVERT; CATTLE GUARD; CULVERT; CULVERT; CULVERT; CULVERT; HALEAKALA CRATER ROAD; CONTINUES ON SHEET #2 5.00 mi.

MP 0; MP 1; MP 1.5 (MPL1); MP 2; MP 3; MP 4; MP 5

0.028 mi. 0.037 mi. 0.095 mi. 0.324 mi. 0.370 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.

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**
- 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): NONE

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

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): 874 0378 00009

HPMS Sections – AADT 2019: 1,500

HPMS Sections – AADT 2018: 1,018

HPMS Sections – AADT 2017: 1,000

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)

378A-01-82M 1982 (RESURFACE); 2.72 2.75 RS-0378(1) 1981 RESURFACE

0.03 370A-02-67 1967; 2.77 378A-03-68 1968 RESURFACE

FAP 58 (Group B) 1933

SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| Oct 2004 | GN |

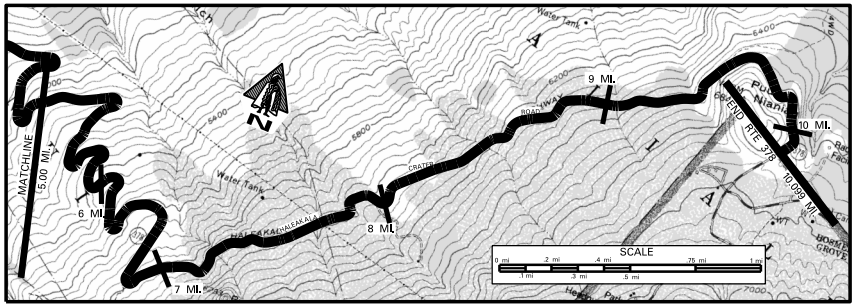
| Revised | |
|---|---|
| Nov. 06 | D.B. |
| Feb. 11 | D.B. |
| Feb. 12 | D.B. |
| Sept. 12 | E.P.J. |
| Dec. 13 | E.P.J. |
| July 14 | D.B. |
| Jan 16 | E.P.J. |
| Jan 17 | E.P.J. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

# 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'
- Vertical Clearance
- Horizontal Clearance: 27' — 27'

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

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

Available Right of Way Width (Needs Study): OPEN PASTURE 1000' ACROSS

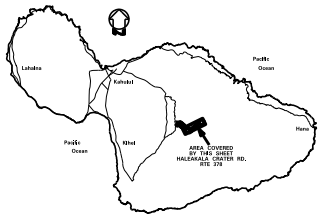
Right of Way Fence: Type – Right and Left: N O N E

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): S T A T E — @ END PROJECT (10.099)

Project No., Type of Construction, and Year Constructed: 378A–01–04M, RESURFACE, 2006 — (378A–01–92M, 1993, RESURFACE) — 10.099

Project No., Type of Construction, and Year Constructed: 378A–01–00MR 2003 MAINTENANCE & REPAIRS




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**
* MP = Milepost Signage

CONTINUED FROM SHEET # 1 — 5.00 mi.

CULVERT (5.048 mi.) — CULVERT (5.126 mi.) — CULVERT (5.191 mi.) — CULVERT (5.324 mi.) — HALEAKALA — CULVERT (5.916 mi.) — CULVERT (6.199 mi.) — CULVERT (6.623 mi.) — CULVERT (6.868 mi.) — CULVERT (6.920 mi.) — CRATER — LOOKOUT CULVERT (7.283 mi.) — CULVERT (7.283 mi.) — CULVERT (7.434 mi.) — POHAKUOKALA BRIDGE (7.654 mi.) — CATTLE GUARD CULVERT (7.894 mi.) — CATTLE GUARD CULVERT (8.239 mi.) — CULVERT (8.196 mi.) — WAHALE BRIDGE (8.447 mi.) — ROAD — CULVERT (8.976 mi.) — CATTLE GUARD CULVERT (9.193 mi.) — 6600' ELEVATION SIGN (9.288 mi.) — CATTLE GUARD (9.408 mi.) — CULVERT (9.815 mi.) — CULVERT (9.892 mi.) — CULVERT (9.981 mi.) — CATTLE GUARD (10.054 mi.) — @ CENTERLINE CATTLEGUARD (10.099 mi.)

Milepost markers: 6 MP, 7 MP, 8 MP, 9 MP, 10 MP, 10.15 MP

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '94 VIDEOLOG & '94 FEATURES DATABASE
END RTE 378 ON HALEAKALA CRATER RD AT INTERSECTION WITH HALEAKALA CRATER RD NEAR THE END STATE HWY SIGN. "10.099 mi."

SCALE: (In Miles) 4" = 1 mile

**Divided Highway — Undivided**
- Shoulder: Width and Type: 2' AC
- Pavement: Width and Type: 24' AC (12' AC SHLDR & BIKE PULL OUT) — 22' AC
- Shoulder: Width and Type: 2' AC

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

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

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

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 00009

HPMS Sections – AADT 2019: 1,500

HPMS Sections – AADT 2018: 1,018

HPMS Sections – AADT 2017: 1,000

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. |
| Feb 18 | D.B. |
| Nov 18 | D.B. |
| Jan 21 | E.P.J. |

# ROAD INVENTORY
# MAUI RTE 380
# DAIRY ROAD, KUIHELANI HIGHWAY

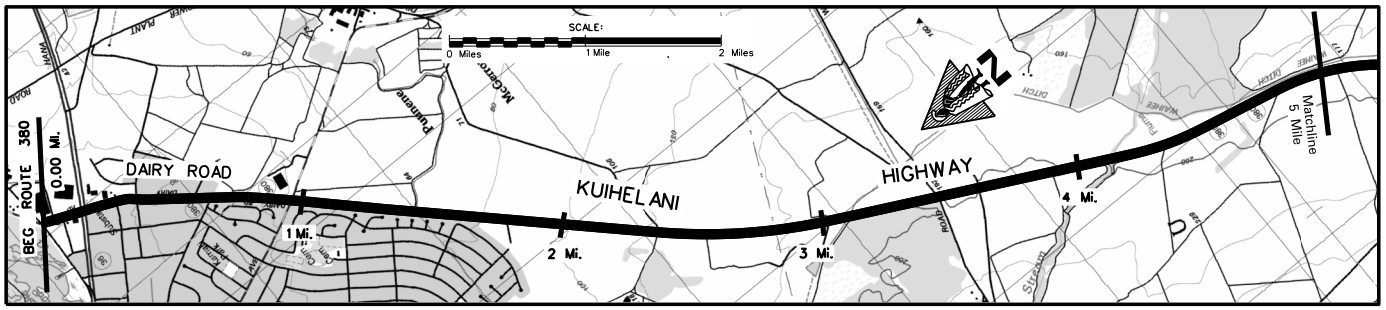
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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 — 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: 2.13, 2.13, 4.32, 4.37

Horizontal Clearance: 14', 36', 14', 36', 14', 36'

Structure Over Road: Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study): COMMERCIAL (0.00) — RANCHLAND / SUGAR CANE (2.37) — FARMS–BUSHES–TREES (3.40) — CLEAR 1000' – SUGAR CANE 30' FROM PAVEMENT (6.20)

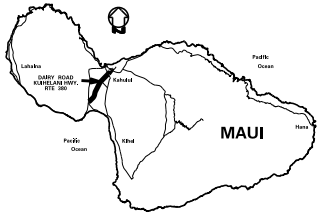
Right of Way Fence: Type – Right and Left: WOOD/CONC. (2.15) — METAL ON WOOD

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE (292-1.00) (292-3.20) (292-5.10)

Project No., Type of Construction, and Year Constructed: HWY–M–82–16M, PREVENTIVE MAINTENANCE, 2017 (Surf) (NH-0380(013)) (NH-0380(9)) (Widening) — NH–0380(013), RESURFACE, 2016

Project No., Type of Construction, and Year Constructed: 380A–01–89M (R) 1990 (0.78) — (NH–0380(9), (Widening) 2003) (0.97) (1.56) — NH–0900(080), PREVENTIVE MAINTENANCE, 2014




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

Begin Route 380, 0.00 mi. Dairy Road at the South edge of pavement of Intersection with Haleakala Hwy and Keolani Place (Rte 36A).

Keila St. (0.084 mi.) — Hana Hwy (Rte 36) (0.168 mi.) — Alamaha St. (0.302 mi.) — Ohohani St. (Half Ent./Exit) (0.377 mi.) — Maui Marketplace Dr. (0.483 mi.) — Kaahumanu Ave. Entrance/Exit (Rt Half Entrance/Exit) (0.590 mi.) — Kaahumanu Ave. & Hoolaha St. (0.572 mi.) — Pakaula St. (L) (0.655 mi.) — Puunene Ave. (0.733 mi.) — Parking Exit & Entr. (0.957 mi.) — Parking Exit & Entr. (0.973 mi.) — Cane Haul Rd. (1.056 mi.) — Telem. Sta. 380015 (1.342 mi.) — Cane Haul Rd. (1.449 mi.) — 1.67 mi. 2 MP (1.523 mi.) — Cane Haul Rd. (1.801 mi.) — 2.50 MP (2.21 mi.) — Private Access (2.377 mi.) — 2.751 mi. 3 MP (2.900 mi.) — Median Crossover (3.033 mi.) — Washes Ditch Br. (3.066 mi.) — Median Crossover Paved Road (3.110 mi.) — 3.50 MP (3.21 mi.) — Waiko Road (3.463 mi.) — Tractor Crossing & Cane Haul Rd. (3.620 mi.) — 3.682 mi. 4 MP (4.125 mi.) — Waikapu Stream Br. (4.340 mi.) — 4.121 mi. 4.50 MP (4.379 mi.) — Kuihelani 3 Span Cane Haul Rds. (4.755 mi.) — 5 MP (4.882 mi.) — Cane Haul Rd.

DAIRY ROAD — KUIHELANI HIGHWAY — 1 MP — 2 MP 1.67 mi. — 2.50 MP — 3 MP 2.758 mi. — 3.50 MP — 4 MP 3.681 mi. — 4.50 MP 4.21 mi. — 5 MP — Maui Lani Parkway (2.377 mi.) — 1.251 mi. — 2.338 mi. — 2.388 mi.

Route Continued on Sheet #2 — 5.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type: 0 — 4'–6' AC — 10' AC — Milled Edgeline Rumble Strip — 10'–25' AC — 10' AC

Pavement: Width and Type: 40' AC — 50' AC — 40' AC — 50' AC — 50' AC — 22' AC — 24' AC

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

Median: Width and Type: 10' Painted AC — 4' Grass — 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 — 24' AC

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

Number of Traffic Lanes: 4–10' — 4–11' — 4–12'

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

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

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

Sidewalk: Width and Type (Right and Left): 2' Conc. S/W — 2' Conc. S/W

Curb and/or Gutter: Type (Right and Left): 2' Conc. S/W — 2' Conc. S/W — 2' Conc. S/W — 2' Conc. S/W — Conc/Curb — 6' Conc. Gutter — 6' Conc. Gutter

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

Illumination: Type, Location and Number: Mtl. — HPS — HPS

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban (99998)

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

Speed: 1–Design, 2–Posted: Not Posted — 30 MPH (2) — 45 MPH (2) (35 MPH (3)) — 55 MPH (2) — 45 MPH (2) — 55 MPH (2)

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

Traffic Stations (Current Year): B74 0380 00074 — B74 0380 00074 — B74 0380 00347

HPMS Sections – AADT 2019: 33,800 — 27,000 — 14,800

HPMS Sections – AADT 2018: 34,714 — 28,700 — 13,641

HPMS Sections – AADT 2017: 25,700 — 13,400

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–01–99M (R), 2000
- 380A–01–89M (R), 1990
- (FAP 50 1931) 0.03 — 0.18 — 380A–01–81M 1981 (Resurf.) — 0.75 — S–0380(6) 1971
- DANG 8(1), 1945 County — 2.37 — S–038 (6), 1969

SCALE: (In Miles) 4" = 1 mile

| Date Released |
|---|
| July 2002, DB |

| Revised | |
|---|---|
| Apr 01 | JK |
| Aug 02 | DB |
| Sep 02 | DB |
| Nov 08 | DB |
| Mar 09 | DB |
| Dec 09 | DB |
| Aug 10 | DB |
| Jul 11 | DB |
| Feb 12 | DB |
| Sep 12 | CPJ |
| Dec 13 | CPJ |
| Jul 14 | DB |
| Jun 16 | DB |
| Jun 17 | DB |
| Jul 18 | DB |
| Jun 19 | DB |
| Jun 21 | CPJ |

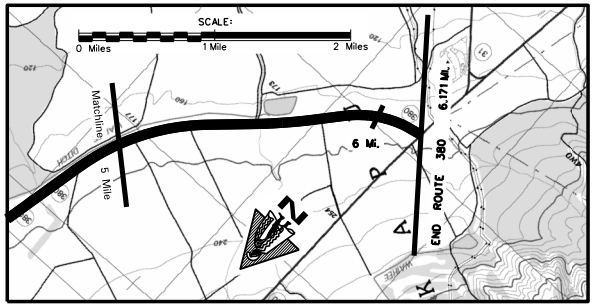
# ROAD INVENTORY
# MAUI RTE 380
# KUIHELANI HIGHWAY

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. 50 EAST OF THE EAST E.J. 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: 8' 44'; 8' 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

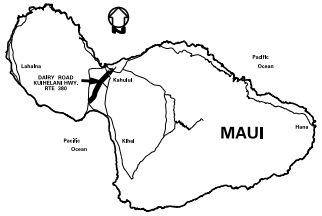
Right of Way Fence: Type – Right and Left

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

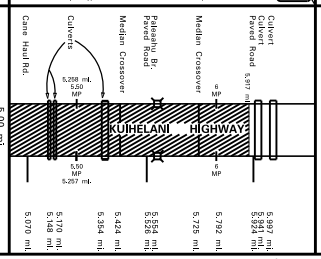
Project No., Type of Construction, and Year Constructed: NH–0380(013), Resurface, 2016 — 0.00

Project No., Type of Construction, and Year Constructed: NH–0900(080), Preventive Maintenance, 2014 — 0.00




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**




Continued from Sheet #1.

* 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

Undivided — Pavement: Width and Type: 24' AC; 12' AC; 28' AC

Undivided — Shoulder: Width and Type: 10' AC; 0

Divided Highway — Median: Width and Type: 18' Grass; 10'–18' AC; 10' Painted AC

Divided Highway — Shoulder: Width and Type: 4' AC; 0; 0.5; 0.5

Divided Highway — Pavement: Width and Type: 24' AC; 12' AC; 36' AC; (38' AC); (44' AC)

Divided Highway — Shoulder: Width and Type: 10' AC; 0; 0

Number of Traffic Lanes: 4 – 12'; 12'; 12'; (12'); (12')

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): .080; .080; .275; .080; .080; .275; .080; 10'; 12'–14' (R)

(Right Side): 12'–16' (R)

Frontage Road: No. of Lanes, and Width (Right and Left): 0.076

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

Curb and/or Gutter: Type (Right and Left): NONE; .080; .101; .125; .125; .147; .157; .157; .172; .172; .172; .172; .080

Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless otherwise noted.: .080; .101; .196; .247; .296; .321; .396; .000; .078; .121; .240; .296; .321; .396

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; .620; 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; .000; .070; B

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban (99998)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Flat (1); .700; .080

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

Intersection Control Devices: Type, Location and Cycle Timing: .080; 3 Phase Traffic Signal

Traffic Stations (Current Year): 874 0380 00347

HPMS Sections – AADT 2019: 14,800

HPMS Sections – AADT 2018: 13,641

HPMS Sections – AADT 2017: 13,400; 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 — 6.20

NH–0380(9), Widening, 2003 — 6.00 — [ 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 |

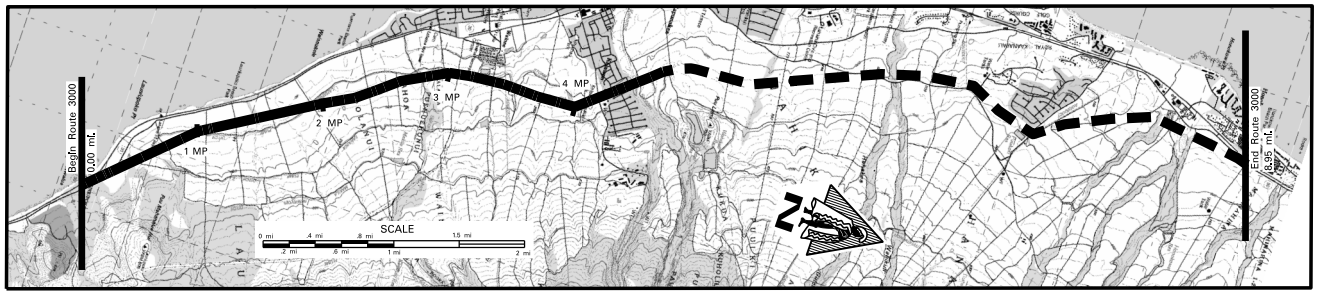
| Revised | |
|---|---|
| Nov., 06 | D.B. |
| Dec. 09 | D.B. |
| Feb. 11 | D.B. |
| Feb. 12 | D.B. |
| Sept. 12 | E.P.J. |
| Dec. 13 | E.P.J. |
| July 14 | D.B. |
| Jan 16 | D.B. |
| Jan 17 | D.B. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

# 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:** 4.63 miles
**b. Proposed Length:** 4.32 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.) 8' varies

Available Right of Way Width (Needs Study)

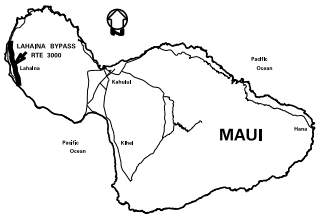
Right of Way Fence: Type – Right and Left

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.

BEGIN DIV. 0.88 MI. · END DIV. 1.00 MI. · KA HELE KU ST. 1.01 MI. · BEGIN DIV. 1.14 MI. · END DIV. 1.25 MI. · BEGIN DIV. 1.38 MI. · 1.5 MP · 1 MP · PUNAKEA UKA O.P. 2.00 MI. · 2 MP · BEGIN DIV. 2.16 MI. · END DIV. 2.30 MI. · HOKOKO PL. 2.45 MI. · BEGIN DIV. 2.60 MI. · END DIV. 2.69 MI. · KAUAULA STREAM BR. 2.83 MI. · 3 MP · BEG. DIV. 4.02 MI. · LAHAINALUNA RD OP RAMP 4.18 MI. · END DIV. 4.27 MI. · KEAWA ST. EXT. 4.42 MI. · KAUHOLA STREAM BR. 4.50 MI. · 4.5 MP · WAHIKULI CONNECTOR (CIVIC CENTER) 5.76 MI. · KAANAPALI CONNECTOR 6.32 MI. · HAHAKEA GULCH BR 6.53 MI. · WAHIKULI GULCH BR 6.68 MI. · PUUKOLI CONNECTOR 7.55 MI. · HANAKAOO GULCH BR 8.28 MI. · HONOKOWAI STR BR 8.81 MI.

HONOAPIILANI HIGHWAY BY–PASS

NOTE: ROUTE LENGTH ADJUSTED TO MATCH 12018 VIDEOLOG
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' PCC; 8' AC; 10' PCC; 10' PCC; 10' PCC; 10' PCC; 6' PCC; 10' PCC; 10' AC; 10' PCC

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

Shoulder: Width and Type: 10' PCC; 0; 10' PCC; 0; 10' PCC; 0; 10' PCC; 0; 6' PCC; 10' PCC; 0; 6' PCC

**Median:** Width and Type

Median Barriers: 12' PCC; 0'; 12' PCC; 35'; 12' PCC; 12' PCC; 0'; 12' PCC; 12' PCC; (17–35' PAINTED PCC); 35' (2 GRASS); (17–35' PAINTED PCC)

**Divided**

Shoulder: Width and Type: 0; 0; 0; 0; 0; 0

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

Shoulder: Width and Type: 10' PCC; 10' PCC; 10' PCC; 10' PCC; 10' PCC; 10' PCC

Number of Traffic Lanes: 2–12'

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

(Right Side): AUX.

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

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

Curb and/or Gutter: Type (Right and Left): 8" CURB; SWALE

Protective Devices: Type, Location and Number: M/M

Illumination: Type, Location and Number: 1–250W, 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

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

Vertical Curve: Crest or Sag, Curve Limits

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

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: B74 3000 00346

HPMS Section – AADT 2019: 16,500

HPMS Section – AADT 2018: 15,800

HPMS Section – AADT 2017: 17,690

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

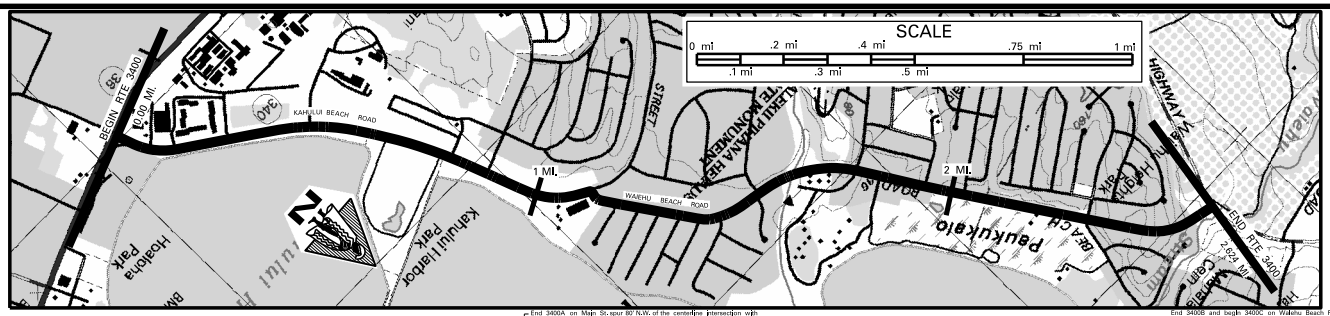
| Date Released | |
|---|---|
| Dec 2004 | JK |
| **Revised** | |
| Nov., 06 | D.B. |
| Feb., 09 | D.B. |
| Feb., 11 | D.B. |
| Feb., 12 | D.B. |
| Sept. 12 | E.P.J. |
| Dec. 13 | E.P.J. |
| Jan. 16 | D.B. |
| Jan. 17 | D.B. |
| Feb., 18 | D.B. |
| Nov. 18 | D.B. |
| FEB. 20 | EPJ |
| Jan. 21 | EPJ |

# 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 Kahului Hwy.,Also begin 3400C on Kahului Hwy – see Route 340.

**SCALE: (In Miles) 4" = 1 mile** (0 – 1 – 2 – 3)

**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

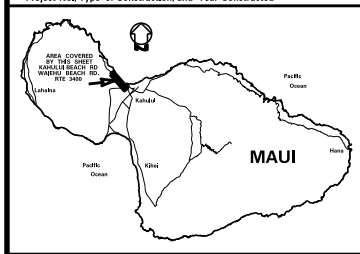
**Right of Way Fence: Type – Right and Left:** NONE

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

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

**Project No., Type of Construction, and Year Constructed:** 3400A–01–07M, RESURFACING, 2009 — BR–STP–3400(5) BR. REHAB., 2015

**Project No., Type of Construction, and Year Constructed:** 3400A–02–91 IMPROVEMENTS 1995 — HWY–M–05–04, IMPR., 2006 — 3400A–03–91 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 — KAIHEE PLACE — WAIHINEPIO AVE — SMALL BOAT HARBOR ROAD — KAMALOA AVE. — NISEI MEMORIAL ACCESS — MAIN ST. & END DIV. — ELUENE ST. — LINEKONA PLACE END DIVIDED — KANAULU PL. & BEG. DIV. — KAKOO STREET — KALANA PLACE — UKALI ST. — BEGIN DIVIDED — EHA ST. — END DIVIDED — IAO BRIDGE — BEGIN DIVIDED — END DIVIDED — KUHIO RD.(U) KAAE RD.(R) — KUKUI PL. — 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 & "14 FEATURES" DATABASE.

**SCALE: (In Miles) 4" = 1 mile** (0 – 1 – 2 – 3)

**Divided Highway — Undivided**
- Shoulder: Width and Type: 4' AC — 6' AC — 11' AC — 4' – 6' AC — 6' AC — 10' AC — 6' AC — 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' — 6' — 0' — 6' AC — 0' — 10' AC — 6' AC

**Divided Highway — 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' — 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)**

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

**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:** SMALL URBAN (99998)

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

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

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

**Traffic Stations (Current Year):** B74 3400 00000 — B74 3400 00203 — B74 3400 00232

**HPMS Sections – AADT 2019:** 27,400 — 11,200 — 6,900

**HPMS Sections – AADT 2018:** 29,217 — 11,800 — 7,062

**HPMS Sections – AADT 2017:** 28,700 — 9,900 — 6,835

**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–02–97 1998
- 3400B–01–97M 1998 RESURFACE (ALSO ROUTE 340)
- 3400B–02–98 2 WAY (L)TLS
- 3400A–02–91 1995 IMPROVEMENTS
- 3400AB–02–90 1992 IMPROVEMENTS
- S–0340 (1) 1955, 1956
- COUNTY
- S–247(1) 1952, 1953
- 3400A–01–88M 1988 RESURFACE
- S–0341(3) 1966, 1967

**SCALE: (In Miles) 4" = 1 mile** (0 – 1 – 2 – 3)

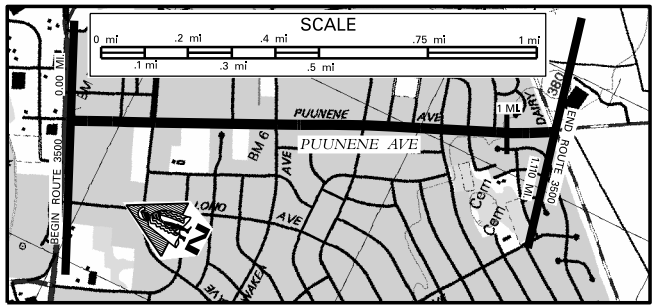
| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Nov., 06 | D.B. |
| Dec. 09 | D.B. |
| Feb 11 | D.B. |
| Feb 12 | D.B. |
| Sept. 12 | E.P.J. |
| Dec. 13 | E.P.J. |
| July 14 | D.B. |
| Jan 16 | D.B. |
| Jan 17 | D.B. |
| Feb 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

# 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



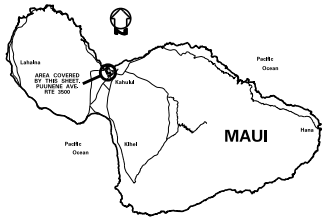

SCALE: (In Miles) 4" = 1 mile

**Maintenance Control Sections : Length and Description**

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

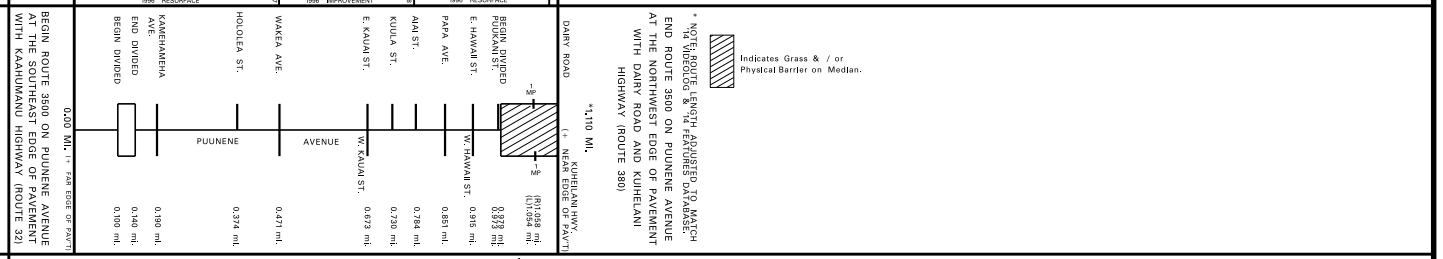
End 3500A on Puunene Avenue 10' from the S.E. edge of pavement of Kuihelani Hwy.

| | |
|---|---|
| Structure Carrying Road | Bridges (Over 20'): Length, Type, Capacity and Year Constructed |
| | Vertical Clearance |
| | Horizontal Clearance |
| Structure Over Road | Vertical Clearance |
| | Horizontal Clearance |
| Right of Way Width (min.–max.) If varies | 60' |
| Available Right of Way Width (Needs Study) | RESIDENTIAL / COMMERCIAL |
| Right of Way Fence: Type – Right and Left | CHAINLINK / CHAINLINK |
| Control of Access: 1–None, 2–Partial, 3–Full | 1 |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | 37 – 80 STATE 34 – 80 |
| 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; HES–STP–3500(3) 1996 IMPROVEMENT; STP–3500(5) 1996 RESURFACE |




**Road Diagram**

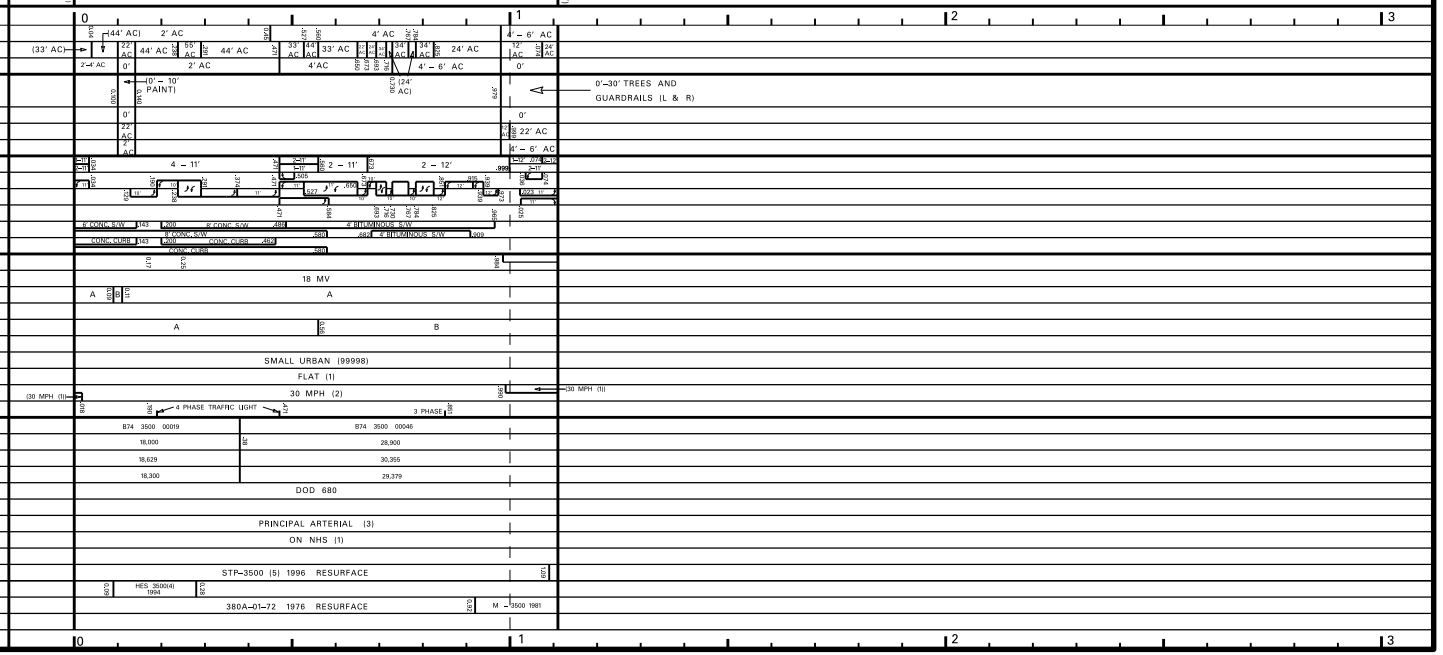
* MP = Milepost Signage




SCALE: (In Miles) 4" = 1 mile

**Divided Highway**

| | |
|---|---|
| Undivided | Shoulder: Width and Type |
| Undivided | Pavement: Width and Type |
| Undivided | Shoulder: Width and Type |
| | Median: Width and Type |
| | Shoulder: Width and Type |
| | Pavement: Width and Type |
| | Shoulder: Width and Type |
| Number of Traffic Lanes | |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | |
| (Right Side) | |
| Frontage Road: No. of Lanes, and Width (Right and Left) | |
| Sidewalk: Width and Type (Right and Left) | |
| Curb and/or Gutter: Type (Right and Left) | |
| Protective Devices: Type, Location and Number | 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: | |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | |
| Speed: 1–Design, 2–Posted | |
| Intersection Control Devices: Type, Location and Cycle Timing | |
| Traffic Stations (Current Year) | |
| HPMS Sections – AADT 2019 | |
| HPMS Sections – AADT 2018 | |
| HPMS Sections – AADT 2017 | |
| DOD Sections | |
| Census Tracts | |
| Functional Classification | |
| National Highway System (NHS) | |
| Previous Projects: Project No., Date and Limits | |




SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| Oct 2004 | GN |

| Revised | |
|---|---|
| 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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

# ROAD INVENTORY

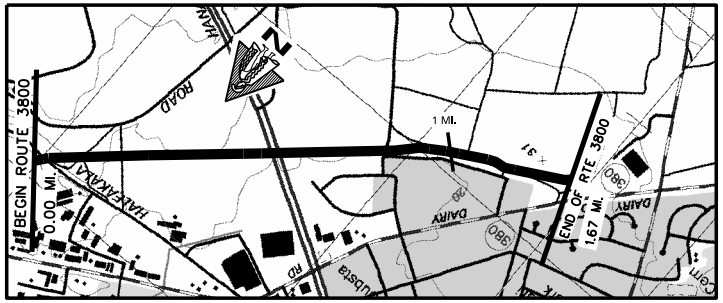
# MAUI RTE 3800
# AIRPORT ACCESS ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

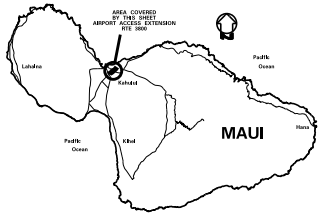
PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

| | | | |
|---|---|---|---|
| Total Designated Route Length: | 1.67 | MILES | MILES (a+b) |
| a. Existing Length: | 1.238 | MILES | |
| b. Proposed Length: | 0.432 | MILES | |
| Total Travel Way Length: | 0.00 | | MILES (a+b, less c) |
| a. Existing Length: | 0.00 | MILES | |
| b. Temporary Length: | 0.00 | MILES | |
| c. Length used as T.W. for another Route: | 0.00 | MILES | (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



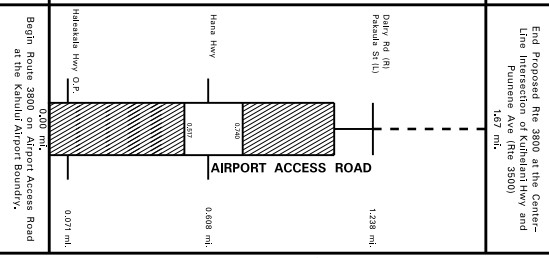

| | |
|---|---|
| SCALE: (In Miles) 4" = 1 mile | 0 1 2 3 4 5 |
| Maintenance Control Sections : Length and Description | |
| Structure Carrying Road: Bridges (Over 20'): Length, Type, Capacity and Year Constructed | |
| Structure Carrying Road: Vertical Clearance | |
| Structure Carrying Road: Horizontal Clearance | |
| Structure Over Road: Vertical Clearance | |
| Structure Over Road: Horizontal Clearance | |
| Right of Way Width (min.–max.) If varies | |
| Available Right of Way Width (Needs Study) | |
| Right of Way Fence: Type – Right and Left | |
| Control of Access: 1–None, 2–Partial, 3–Full | |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | State |
| Project No., Type of Construction, and Year Constructed | |
| Project No., Type of Construction, and Year Constructed | |




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

+ MP – Milepost Signage




| | |
|---|---|
| SCALE: (In Miles) 4" = 1 mile | 0 1 2 3 4 5 |
| Undivided: Shoulder: Width and Type | 8' PCC |
| Undivided: Pavement: Width and Type | 24' PCC; 48' PCC |
| Undivided: Shoulder: Width and Type | 0–4' PCC; 6' PCC; 8' PCC |
| Divided Highway: Median: Width and Type | 28'–30' GRASS; 3'; 20' GRASS (FIELD CENTERLINE); 3'; 4–20' PCC; 3'; 16' RAISED GRASS (FIELD CENTERLINE); 3'; 28' |
| Divided Highway: Shoulder: Width and Type | 0–4' PCC; 6' PCC |
| Divided Highway: Pavement: Width and Type | 24' PCC |
| Divided Highway: Shoulder: Width and Type | 8' PCC |
| Number of Traffic Lanes | 4–12' |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | 12' 12' 12' 12' |
| (Right Side) | 12' 12' 12' 12' |
| Frontage Road: No. of Lanes, and Width (Right and Left) | |
| Sidewalk: Width and Type (Right and Left) | |
| Curb and/or Gutter: Type (Right and Left) | 4–6' PCC; 6' PCC; 6' 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 |
| Traffic Station | F74 3800 00078 |
| HPMS Sections – AADT 2019 | 18,400 |
| HPMS Sections – AADT 2018 | 16,900 (37) |
| HPMS Sections – AADT 2017 | 16,100 |
| DOD Sections | |
| Census Tracts | |
| Functional Classification | Principle Arterial (3) |
| National Highway System (NHS) | On NHS – Unbuilt |
| Previous Projects: Project No., Date and Limits | |
| SCALE: (In Miles) 4" = 1 mile | 0 1 2 3 4 5 |

| Date Released | |
|---|---|
| July 2002 | DB |

| Revised | |
|---|---|
| FEB., 06 | D.B. |
| Nov., 06 | D.B. |
| Feb. 11 | D.B. |
| Feb. 12 | D.B. |
| Sept. 12 | E.P.J. |
| Jan. 16 | E.P.J. |
| Jan. 17 | E.P.J. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan. 21 | E.P.J. |

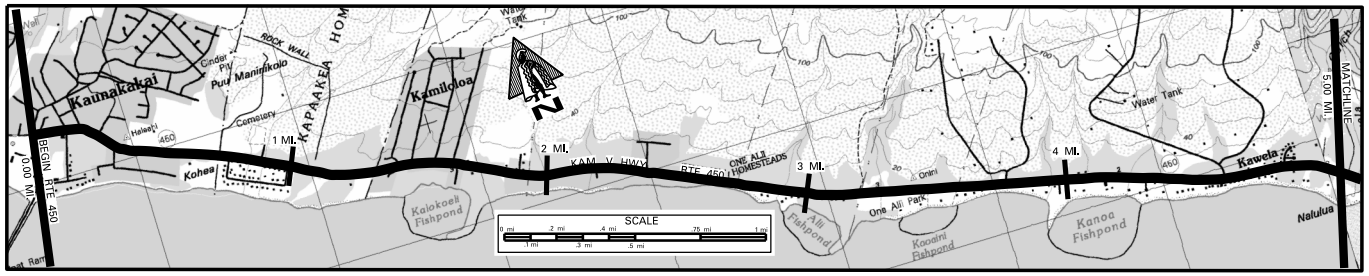
ROAD INVENTORY

# 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

Begin 450A on Kam V Hwy, 84' East of the East edge of pavement of Kaunakakai Wharf Road. — 450A (10.13 MI)

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed — SLAB 1940 H15 (25') | SLAB 1940 H20 (23')

Vertical Clearance

Horizontal Clearance — 26' | 26'

**Structure Over Road**

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) If varies — 60' – 80' | 80'

Available Right of Way Width (Needs Study) — RESIDENTIAL AREA | TREES AND BUSHES (FEW HOMES)

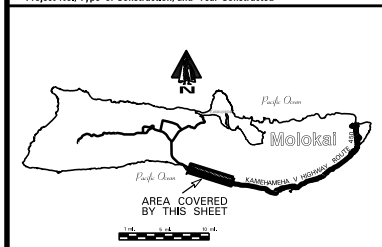
Right of Way Fence: Type – Right and Left — WIRE ON WOOD 15' FROM PAVEMENT | WIRE ON WOOD 15' FROM PAVEMENT

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

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

Project No., Type of Construction, and Year Constructed — 450A–01–12M, RESURFACE, 2015 | 450A–01–12M, RESURFACE, 2015

Project No., Type of Construction, and Year Constructed — 450A–01–08M, RESURFACE, 2009 | STP–0450(6) 1996 RESURFACE




**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. — 0 MP — MOHALA ST. (0.124 mi.) — KAMOI ST. (0.182 mi.) — AILOA ST. (0.231 mi.) — OKI PLACE — KAUNAKAKAI SCH. (0.292 mi.) — ROAD TO 'OUKE MALIU' PARK (0.326 mi.) — 0.468 mi. — ALANU KAMI KE EDUCATION CTR. (0.494 mi.) — KAPA AKEA LOOP (0.771 mi.) — CULVERT, CEMETERY (0.847 mi.) — CULVERT (0.891 mi.) — KAPAAKEA LOOP (0.902 mi.) — 0.939 mi. — ~ MP — CULVERT (1.194 mi.) — HOTEL ENT. (1.341 mi.) — KAMILOLOA PLACE (1.404 mi.) — KAMOI ST. (1.474 mi.) — 1.50 MP 1.497 mi. — CULVERT (1.522 mi.) — KAUNAKAI PLACE (1.560 mi.) — OPIA PLACE (1.62 mi.) — 1.699 mi. — OHALA'ILI STREET HOTEL MOLOKAI ENT. (1.869 mi.) — KAMILOLOA BRIDGE (1.872 mi.) — 1.963 mi. — 1.965 mi. — 2 MP — CULVERT (2.383 mi.) — PANO PLACE (2.466 mi.) — 3 MP — ONEALI'I PARK #1 (3.332 mi.) — CULVERT (3.005 mi.) — MAKANUI RD. (3.764 mi.) — MAKAKUPAIA BRIDGE (3.934 mi.) — 4 MP — 4.017 mi. — HOOULU PL. (4.236 mi.) — 4.50 MP — ULUANUI RD. (4.493 mi.) — CULVERT (4.596 mi.) — KAMAKANA PLACE (4.657 mi.) — 4.831 mi. — 5.00 mi. — CONTINUES ON SHEET #2

KAM V HWY

SCALE: (In Miles) 4" = 1 mile

**Divided Highway — Undivided**

Shoulder: Width and Type — 6' AC | 12' AC | 6' AC | 4' AC | Milled Edgeline Rumble Strip

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

Shoulder: Width and Type — 6' AC | 4' AC | Milled Edgeline Rumble Strip | Milled Centerline Rumble Strip

**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 – 11'

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

(Right Side) — NONE

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

Sidewalk: Width and Type (Right and Left) — 6' – 8" — 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.

Illumination: Type, Location and Number — MERCURY VAPOR | MERCURY VAPOR | 1 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) — A | BA | B | A

Superelevation (Range)

Grades Class: +/– % (A(0–,45) B(,45–2,45) C(2,45–4,45) D(4,45–6,45) E(6,45–8,45) F(< 8,45) — A | B | A | B | A | B | A

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: — RURAL (99999)

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

Speed: 1–Design, 2–Posted — 35 MPH (1) | 20 MPH (2) | 35 MPH (2) | 35 MPH (1) | 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year) — B75 0450 00000 | B75 0450 00238

HPMS Sections – AADT 2019 — 5,900 | 2,300

HPMS Sections – AADT 2018 — 6,000 | 2,200

HPMS Sections – AADT 2017 — 5,900 | 2,300

DOD Sections

Census Tracts

Functional Classification — MAJOR COLLECTOR (5)

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

Previous Projects: Project No., Date and Limits

450AB–01–01M 2001 RESURFACE | STP–0450(7) 1998 | STP–0450(6) 1996 RESURFACE

HWY–M–95–96M 1997

HWY–M–00–90 1991 SHOULDER IMPROVEMENT

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

450A–01–72 1972 RESURFACE | FAS 2A 1940 | FAS 2A(1) 1938

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. 13 | E.P.J. |
| Dec. 13 | E.P.J. |
| July 14 | D.B. |
| Jan 16 | D.B. |
| Jan 17 | D.B. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

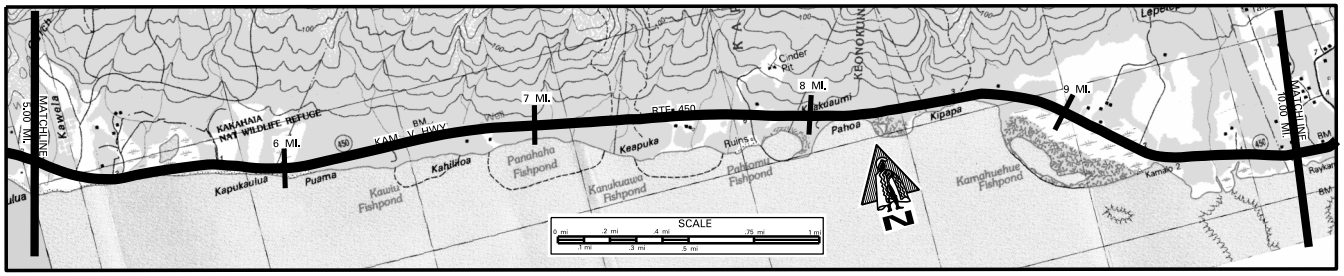
ROAD INVENTORY

# 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: 450A (10.13 MI)

Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed: SLAB 2014 HS15 56' (5.00); PRESTRESSED CONCRETE SLAB 1981 HS-20-44 43' (9.75)

Vertical Clearance

Horizontal Clearance: 26' (5.00); 28' (9.75)

Structure Over Road — Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study): 4.50; 8.75

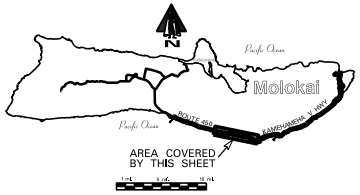
Right of Way Fence: Type – Right and Left: WIRE ON WOOD 15' FROM PAVEMENT; NONE; WIRE ON WOOD 15' FROM PAVEMENT; WIRE ON WOOD

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): 391-2.00; STATE

Project No., Type of Construction, and Year Constructed: 450A-01-12M, RESURFACE, 2015; STP-0450(9) GUARDRAIL AND SHOULDER IMPROVEMENTS 2013

Project No., Type of Construction, and Year Constructed: (BR-0450(8) 2014 BRIDGE REPLACEMENT); 450AB-01-13M RESURFACE 2017




**Road Diagram**
* MP = Milepost Signage

CONTINUED FROM SHEET #1

KAWELA BRIDGE; ONOONI DR.; BRIDGE; CULVERT; CULVERT; CULVERT; BRIDGE; CULVERT; FORD; CULVERT; PROJ. MARKER; CULVERT; CULVERT; CULVERT; KAMALO BRIDGE; CULVERT; CULVERT; CULVERT

KAMEHAMEHA V HIGHWAY

5.00 mi. — 5 MP; 5.50 MP; 6 MP; 6.50 MP; 7 MP; 8 MP; 9 MP; 10 MP — 10.00 mi.

5.016 mi.; 5.097 mi.; 5.211 mi.; 5.408 mi.; 5.523 mi.; 5.526 mi.; 6.002 mi.; 6.187 mi.; 6.447 mi.; 6.487 mi.; 7.005 mi.; 7.132 mi.; 7.273 mi.; 7.742 mi.; 7.947 mi.; 8.147 mi.; 8.35 mi.; 8.502 mi.; 8.703 mi.; 9.014 mi.; 9.632 mi.; 9.835 mi.; 9.906 mi.; 9.938 mi.; 9.999 mi.

CONTINUED ON SHEET #3

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type: (4' AC) 10' AC; 4' AC; GRASS UNLESS NOTED — MILLED EDGELINE RUMBLE STRIPS

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

Shoulder: Width and Type: (4' AC) 10' AC; 4' AC; GRASS UNLESS NOTED — MILLED EDGELINE RUMBLE STRIPS; MILLED CENTERLINE RUMBLE STRIPS

Median: Width and Type

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): NONE

(Right Side): NONE

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

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

Curb and/or Gutter: Type (Right and Left): NONE

Protective Devices: Type, Location and Number — 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; C; A; B; A

Superelevation (Range)

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

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); FLAT (1)

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B75 0450 00522

HPMS Sections – AADT 2019: 2,300; 1,200

HPMS Sections – AADT 2018: 2,200; 1,100

HPMS Sections – AADT 2017: 2,300; 1,300

DOD Sections

Census Tracts

Functional Classification: MAJOR COLLECTOR (5)

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

Previous Projects: Project No., Date and Limits: STP-0450(6) 1996 RESURFACE; STP-0450(7) 1998; 450AB-01-01M 2001 RESURFACE; HWY-M-06-96M 1997; RS-0450(1) 1979 RESURFACE; FAS 2A 1940; FAS 2A(1) 1938; 450AB-01-89M 1990 RESURFACE; S-2(2) 1947; 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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

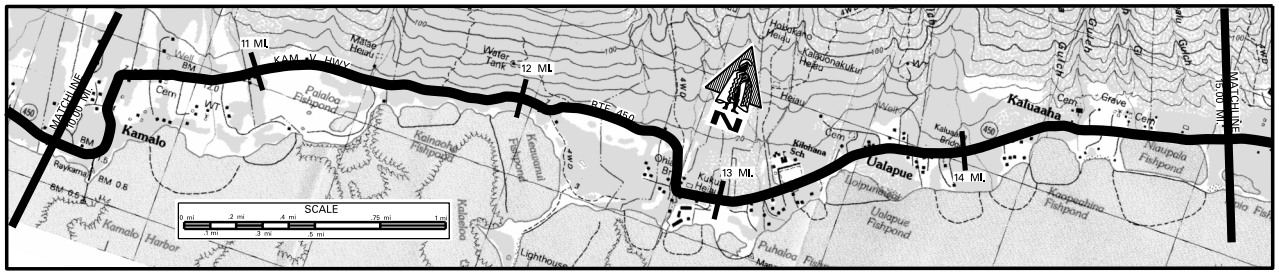
ROAD INVENTORY

# 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

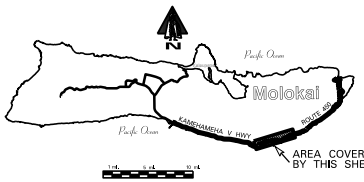



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description: 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') — PRE-STRESSED SLAB 1979 HS-20 (36')
Vertical Clearance
Horizontal Clearance: 18' — 21'
Structure Over Road — Vertical Clearance
Horizontal Clearance

Right of Way Width (min.-max.) If varies: 80'
Available Right of Way Width (Needs Study): TREES AND LARGE BUSHES W / SOME HOMES AND OPEN PASTURE
Right of Way Fence: Type – Right and Left: WIRE ON WOOD — WIRE ON METAL / CHAIN LINK — WIRE
Control of Access: 1–None, 2–Partial, 3–Full: NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE
Project No., Type of Construction, and Year Constructed: STP-0450(9) GUARDRAIL AND SHOULDER IMPROVEMENTS 2013 — 450B-01-02M RESURFACE 2003
Project No., Type of Construction, and Year Constructed: 450AB-01-13M RESURFACE 2017




**Road Diagram**
* MP = Milepost Signage

CONTINUED FROM SHEET #2 — 10.00 mi.

KAMALO WHARF ROAD CULVERT (10.129 mi. / 10.595 mi.) — FORD (10.821 mi.) — KAMEHAMEHA V — 11 MP (11.009 mi.) — 12 MP (12.019 mi.) — CULVERT (12.12 mi.) — CULVERT (12.519 mi.) — OHIA BRIDGE (12.803 mi.) — HAWAIIAN TELEPHONE SUBSTATION (L) (12.915 mi.) — ROAD TO WAVECREST RESORTS (13.005 mi. / 12.980 mi.) — 13 MP — FORD (13.173 mi.) — KILIOHAINA SCHOOL (13.253 mi.) — UALAPUE PLACE (13.421 mi.) — HIGHWAY — KALUAAHA BRIDGE (14.013 mi.) — KEALANUI OHINA PL. (14.128 mi.)

CONTINUES ON SHEET #4 — 15.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided
Shoulder: Width and Type (ALL GRASS UNLESS NOTED): 4' AC — 2' – 4' AC — 4' AC / 2' GRASS — 2' – 4' AC
Pavement: Width and Type: 20' AC — 18' AC
Shoulder: Width and Type (ALL GRASS UNLESS NOTED): 4' AC — 2' – 4' AC
Median: Width and Type
Shoulder: Width and Type
Pavement: Width and Type
Shoulder: Width and Type

Number of Traffic Lanes: 2–10' — 2 – 9'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): NONE
(Right Side): NONE
Frontage Road: No. of Lanes, and Width (Right and Left): NONE
Sidewalk: Width and Type (Right and Left): NONE
Curb and/or Gutter: Type (Right and Left): NONE
Protective Devices: Type, Location and Number: All Metal Rails on Metal Posts unless otherwise noted. — TEMP CONC BARRICADE
Illumination: Type, Location and Number: 1 INCA.
Curves Class: +/– Degree (A(0–3,45) B(3,45–5,44) C(5,44–8,48) D(8,48–13,85) E(13,85–28,62) F(< 28,62)
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)
Speed: 1–Design, 2–Posted: 35 MPH (1) — 35 MPH (1) / 25 MPH (2) — 20 MPH (2)SCHOOL ZONE — 30 MPH (2) / 20 MPH (2)SCHOOL ZONE — 30 MPH (1) — 30 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Stations (Current Year): B75 0450 00522 — B75 0450 01326 — B75 0450 01413
HPMS Sections – AADT 2019: 1,200 — 910 — 720
HPMS Sections – AADT 2018: 1,100 — 940 — 740
HPMS Sections – AADT 2017: 1,300 — 1,100 — 850
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 RESURFACE 2001
450AB-01-89 1990 RESURFACE
450AB-01-76M 1976 RESURFACE
HWY-M-01-96M 1997
450B-02-89 1988 SHOULDER IMPROVEMENTS
450B-01-76M 1976 RESURFACE
450B-01-94M 1998 RESURFACE
STP-0450(5) 1994 GUARDRAIL SHDLR. IMPROV.
450B-01-80M 1980 RESURFACE
COUNTY

SCALE: (In Miles) 4" = 1 mile

| Date Released |
|---|
| Oct 2004 GN |

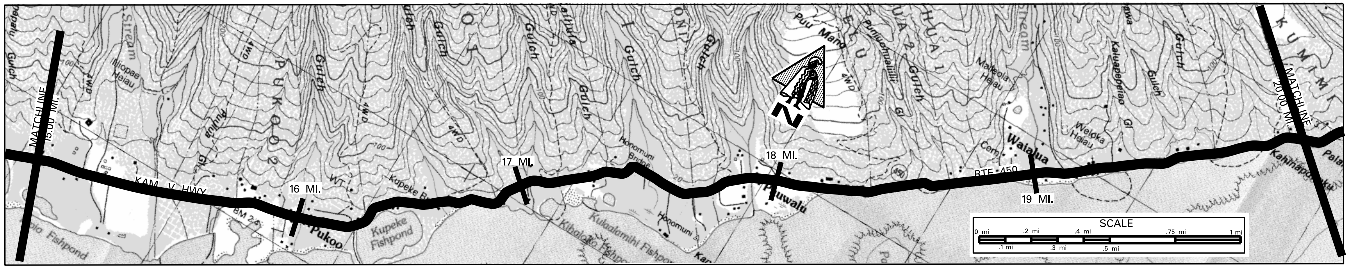
| Revised | |
|---|---|
| Nov., 06 | D.B. |
| Dec. 09 | D.B. |
| Feb. 11 | D.B. |
| Feb. 12 | D.B. |
| Sept. 12 | E.P.J. |
| Dec. 13 | E.P.J. |
| July 14 | D.B. |
| Jan 16 | D.B. |
| Jan 17 | D.B. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

# ROAD INVENTORY
# MOLOKAI RTE 450
# KAMEHAMEHA V HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

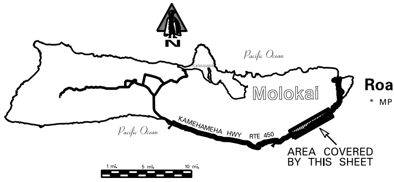
PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

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



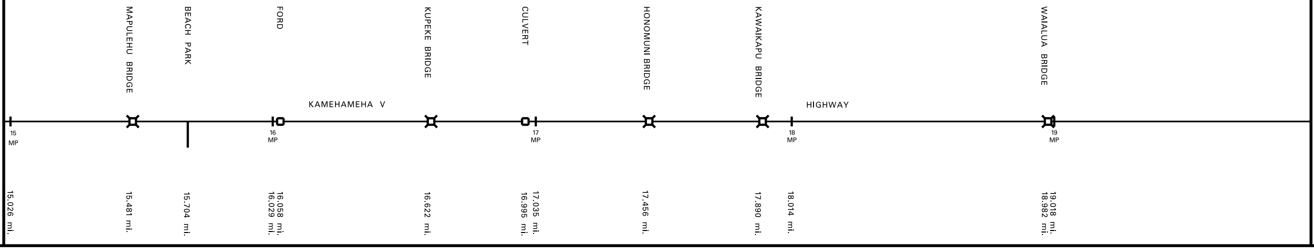
| Item | 15.00 – 20.00 mi. |
|---|---|
| SCALE: (In Miles) 4" = 1 mile | 15, 16, 17, 18, 19, 20 |
| Maintenance Control Sections : Length and Description | 450 B (17.43 MI.) |
| Structure Carrying Road – Bridges (Over 20'): Length, Type, Capacity and Year Constructed | 42' SLAB 1950 (1968) HS20<br>25' PRESTRESSED BEAM 1979 HS20<br>16' PRESTRESSED BEAM 1979 HS20<br>64'–2" PRESTRESSED CONC. GIRDER 2007, HL–93<br>103' PRESTRESSED BEAM 1970 HS20 |
| Structure Carrying Road – Vertical Clearance | |
| Structure Carrying Road – Horizontal Clearance | 20'; 21'; 21'; 32'; 26' |
| 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 LARGE BUSHES W/ SOME HOMES AND OPEN PASTURE |
| Right of Way Fence: Type – Right and Left | WIRE ON METAL / WIRE (to 19.26) |
| Control of Access: 1–None, 2–Partial, 3–Full | NONE |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | STATE (130+00) |
| Project No., Type of Construction, and Year Constructed | 450B–01–02M RESURFACE 2003 (to 16.53); 450B–01–03M, RESURFACE, 2006 (16.53–17.85); 17.85 ← 17.98 (ER–12(4), BRIDGE REPLACEMENT, 2007); 450B–01–03M, RESURFACE, 2006 |
| Project No., Type of Construction, and Year Constructed | 450B–01–94M RESURFACE 1996 (16.53–18.62); STP–0450(5) 1994 (18.62–19.06); COUNTY (19.06–19.66); 450B–01–88M 1988 (R) (19.66–) |

**Road Diagram**
* MP = Milepost Signage



AREA COVERED BY THIS SHEET

CONTINUED FROM SHEET #3



CONTINUES ON SHEET #5

| Item | 15.00 – 20.00 mi. |
|---|---|
| SCALE: (In Miles) 4" = 1 mile | 15, 16, 17, 18, 19, 20 |
| Undivided – Shoulder: Width and Type | 2' – 4' AC; 18.62 4' – 6' GRASS 18.81 0' 18.90 6' GRASS 19.40 0' 19.66 2' – 6' AC |
| Undivided – Pavement: Width and Type | 18' AC; .600 16' AC .400 (12'–20') AC |
| Undivided – Shoulder: Width and Type | 2' – 4' AC; 6' GRS 18.70 0' 18.93 6' – 8' GRASS 19.39 0' 19.60 8' GRS 19.65 2' – 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 | 2–9'; .600 2 – 8'; .400 2–(6'–10') |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | NONE |
| (Right Side) | NONE |
| Frontage Road: No. of Lanes, and Width (Right and Left) | 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 | .466–.493, .465–.505; .607–.637, .621–.636, .694–.858; .443–.474, .450–.480; .873–.910, .876–.923; .962–.020, .962–.023; CB .979 |
| Illumination: Type, Location and Number | |
| Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62) | A 15.78 BAC 15.90 A 16.22 DC 16.30 FE 16.40 A (16.45) D 16.51 AB 16.62 AE 16.72 D 16.79 CAF 16.88 DA 16.94 C 17.07 D 17.11 A 17.29 D 17.34 EB 17.49 A 17.59 C 17.83 A 18.31 CE 18.37 CB 18.47 AD 18.59 E 18.62 A 18.72 B 18.80 A 19.00 B 19.07 C 19.14 A 19.34 CE 19.44 D 19.51 B 19.64 AD 19.73 A 19.89 CB 19.96 D |
| Superelevation (Range) | |
| Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45) | A 16.76 B 16.96 A 18.52 A 18.59 A 19.09 B 19.58 A |
| Vertical Curve: Crest or Sag, Curve Limits | |
| Area and Development: | RURAL (99999) |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | FLAT (1) 16.00 ROLLING (2) / FLAT (1) |
| Speed: 1–Design, 2–Posted | 30 MPH (2); .767 20 MPH (2) |
| Intersection Control Devices: Type, Location and Cycle Timing | |
| Traffic Stations (Current Year) | B75 0450 01413 |
| HPMS Sections – AADT 2019 | 720 |
| HPMS Sections – AADT 2018 | 740 |
| HPMS Sections – AADT 2017 | 850 |
| DOD Sections | |
| Census Tracts | |
| Functional Classification | MAJOR COLLECTOR (5) |
| National Highway System (NHS) | NOT ON NHS (0) |
| Previous Projects: Project No., Date and Limits | 16.53 (130+00) 450B–01–03M, RESURFACE, 2006 |
| | 450B–01–94M 1996 RESURFACE (to 18.62) |
| | STP–0450(5) 1994 GUARDRAIL AND SHOULDER IMPROVEMENTS (to 19.06) |
| | 450B–01–80M 1980 RESURFACE 16.08; 16.21 450B–01–81M 1981 RESURFACE 18.65; 19.66 450B–01–87M 1987 RESURFACE |
| | COUNTY |
| SCALE: (In Miles) 4" = 1 mile | 15, 16, 17, 18, 19, 20 |

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Nov., 06 | D.B. |
| Feb., 08 | D.B. |
| Feb., 11 | D.B. |
| Feb., 12 | D.B. |
| Sept. 12 | E.P.J. |
| Dec. 13 | E.P.J. |
| July 14 | D.B. |
| Jan 16 | D.B. |
| Jan 17 | D.B. |
| Feb., 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

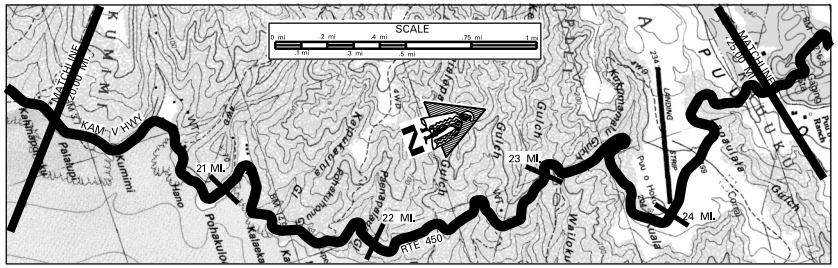
ROAD INVENTORY

# 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



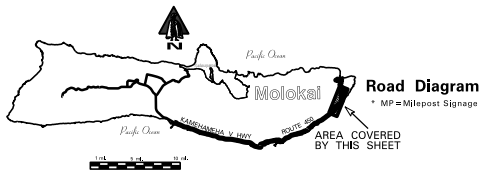

SCALE: (In Miles) 4" = 1 mile — 20 | 21 | 22 | 23 | 24 | 25

**Maintenance Control Sections: Length and Description**
450B (17.43 MI.)

**Structure Carrying Road**
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: CULVERT 1960 HS20 56' — TIMBER STRINGER 2008, HS-20 16'
- Vertical Clearance
- Horizontal Clearance: 12' — 13'

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

**Right of Way Width (min.-max.) If varies**: 80'
**Available Right of Way Width (Needs Study)**: TREES BUSHES AND SOME OPEN PASTURE
**Right of Way Fence: Type – Right and Left**: WOOD POST W/WIRE 10'-40' FROM PAVEMENT — WOOD ON WIRE 16'-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)**: 450-01 — 2.30 — S T A T E
**Project No., Type of Construction, and Year Constructed**: (450B-01-05M, Bridge Replacement, 2008) — 450B-01-05M, Resurface, 2008
**Project No., Type of Construction, and Year Constructed**: 450B-01-03M, RESURFACE, 2006 — 450B-01-88M RESURFACE 1988 — (450B-01-92M (R) 1993)




CONTINUED FROM SHEET #4 — 20.00 mi.

HONOLUIMAWA BR. (3 ARCH CULVERT) — HONOLUIMALOO BR. — CULVERT — BRANT FIELD — RANCH ROADS

KAMEHAMEHA V HIGHWAY

20 MP — 21 MP — 23 MP — 24 MP — 25 MP

20.092 mi. — 20.519 mi. — 21.120 mi. 21.095 mi. — 23.010 mi. 23.009 mi. — 24.007 mi. — 24.202 mi. — 24.939 mi. 24.937 mi.

CONTINUES ON SHEET #6 — 25.00 mi.

SCALE: (In Miles) 4" = 1 mile — 20 | 21 | 22 | 23 | 24 | 25

**Divided Highway — Undivided**
- Shoulder: Width and Type: 2' – 6' AC
- Pavement: Width and Type: 12'–20' AC
- Shoulder: Width and Type: 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–(6'–10')
**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
**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**: ROLLING (2) — MOUNTAINOUS (3) — FLAT (1) — MOUNTAINOUS (3)
**Speed: 1–Design, 2–Posted**: 20 MPH (2)
**Intersection Control Devices: Type, Location and Cycle Timing**
**Traffic Stations (Current Year)**: 875 0450 01413
**HPMS Sections – AADT 2019**: 720
**HPMS Sections – AADT 2018**: 740
**HPMS Sections – AADT 2017**: 850
**DOD Sections**
**Census Tracts**
**Functional Classification**: MAJOR COLLECTOR (5)
**National Highway System (NHS)**: NOT ON NHS (0)
**Previous Projects: Project No., Date and Limits**
450B-01-88M RESURFACE 1988
450B-01-87M 1987 RESURFACE
COUNTY

SCALE: (In Miles) 4" = 1 mile — 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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

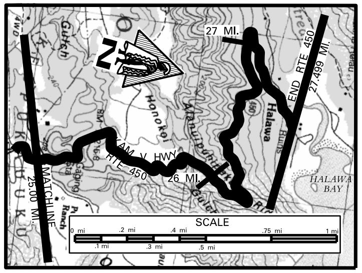
ROAD INVENTORY

# MOLOKAI RTE 450
# KAMEHAMEHA V HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

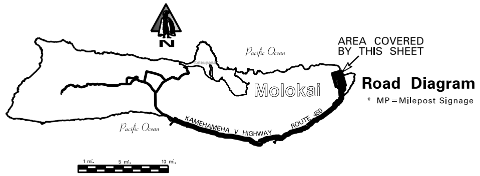
PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

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

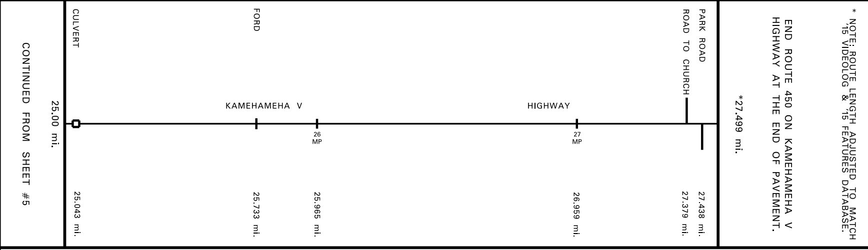


| | 25 | 26 | 27 | 28 | 29 | 30 |
|---|---|---|---|---|---|---|
| SCALE: (In Miles) 4" = 1 mile | | | | | | |

| Item | Entries |
|---|---|
| Maintenance Control Sections : Length and Description | 450 B (17.43 MI.) |
| Structure Carrying Road – Bridges (Over 20'): Length, Type, Capacity and Year Constructed | CULVERT |
| Structure Carrying Road – Vertical Clearance | |
| Structure Carrying Road – Horizontal Clearance | |
| Structure Over Road – Vertical Clearance | |
| Structure Over Road – Horizontal Clearance | |
| Right of Way Width (min.–max.) if varies | |
| Available Right of Way Width (Needs Study) | |
| Right of Way Fence: Type – Right and Left | WOOD ON WIRE 10'–15' FROM PAVEMENT<br>WOOD ON WIRE 10'–15' FROM PAVEMENT 25.55 |
| Control of Access: 1–None, 2–Partial, 3–Full | N O N E |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | S T A T E; 275+60 |
| Project No., Type of Construction, and Year Constructed | 450–01–05M, Resurf., 2008; .499 |
| Project No., Type of Construction, and Year Constructed | 450B–01–92M RESURFACE 1993 |



**Road Diagram**
* MP=Milepost Signage



| | 25 | 26 | 27 | 28 | 29 | 30 |
|---|---|---|---|---|---|---|
| SCALE: (In Miles) 4" = 1 mile | | | | | | |

| Item | Entries |
|---|---|
| Undivided – Shoulder: Width and Type | 2' AC |
| Undivided – Pavement: Width and Type | 12'–20' AC |
| 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–(6'–10') |
| 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) | .023 .051; .850 AC Curb .922; .080 .102 |
| Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless otherwise noted. | .032 .057; .584 .612; .082 .141 (CRM) ROCK WALL .833 .020 |
| Illumination: Type, Location and Number | N O N E |
| Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62) | F 25.08 E 25.16 AFDE 25.29 FEC 25.40 AE 25.49 FE 25.67 F 25.79 DFB 25.89 FE 25.96 FEC 26.07 FE 26.25 E 26.47 E 26.53 F 26.70 BF 26.79 CA BD 26.89 FC 26.96 DFE 27.09 FED 27.17 EDEC 27.29 EDC 27.39 DEF |
| Superelevation (Range) | |
| Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45) | E 25.07 D 25.50 C 25.57 F 26.02 E 26.09 D |
| Vertical Curve: Crest or Sag, Curve Limits | |
| Area and Development: | RURAL (99999) |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | .918 MOUNTAINOUS (3) 27.10 ROLLING (2) |
| Speed: 1–Design, 2–Posted | 20 MPH (2); 20 MPH (1)<br>20 MPH (2) |
| Intersection Control Devices: Type, Location and Cycle Timing | |
| Traffic Stations (Current Year) | B75 0450 01413 |
| HPMS Sections – AADT 2019 | 720 |
| HPMS Sections – AADT 2018 | 740 |
| HPMS Sections – AADT 2017 | 850 |
| 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 |
| | |

| | 25 | 26 | 27 | 28 | 29 | 30 |
|---|---|---|---|---|---|---|
| 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. |
| Feb., 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

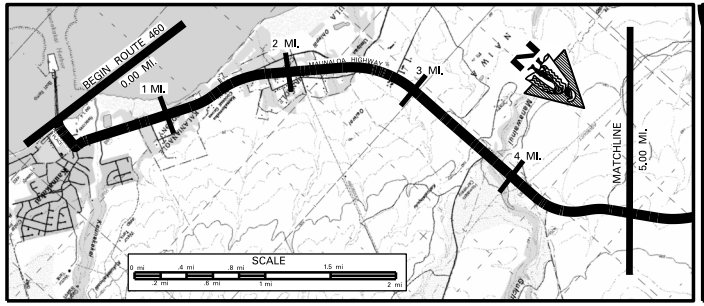
# ROAD INVENTORY
# MOLOKAI RTE 460
## KAUNAKAKAI PLACE AND MAUNALOA HIGHWAY

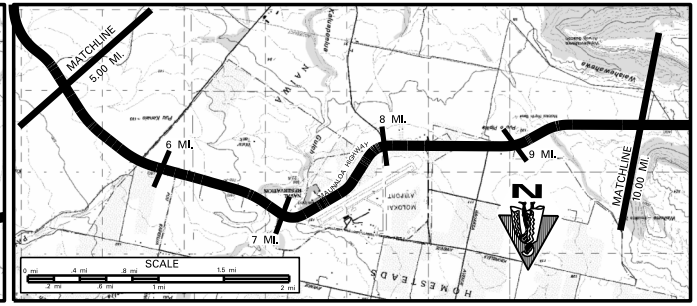
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

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

Right of Way Width (min.-max.) 8' varies

Available Right of Way Width (Needs Study)

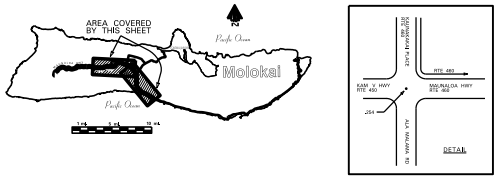
Right of Way Fence: Type – Right and Left

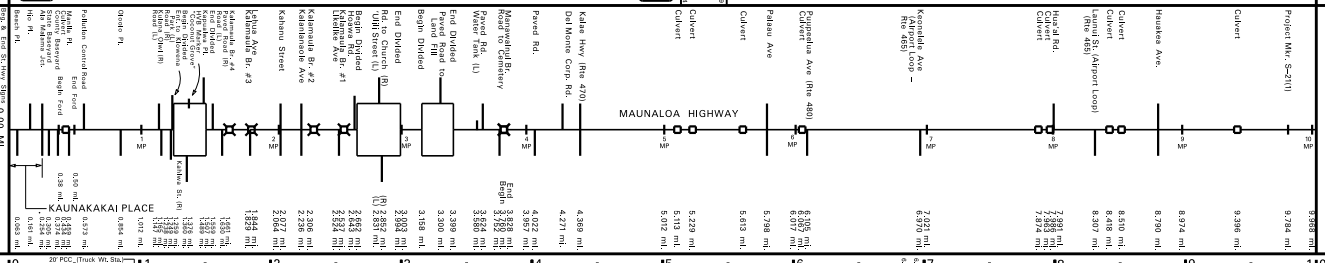
Control of Access: 1–None, 2–Partial, 3–Full

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

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed




SCALE: (In Miles) 2" = 1 mile

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

Number of Traffic Lanes

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

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

Sidewalk: Width and Type (Right and Left)

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

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

Illumination: Type, Location and Number

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Speed: 1–Design, 2–Posted

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year)

HPMS Sections – AADT 2019

HPMS Sections – AADT 2018

HPMS Sections – AADT 2017

DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 2" = 1 mile

| Date Released |
|---|
| 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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

ROAD INVENTORY

# MOLOKAI RTE 460

## KAUNAKAKAI PLACE AND MAUNALOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

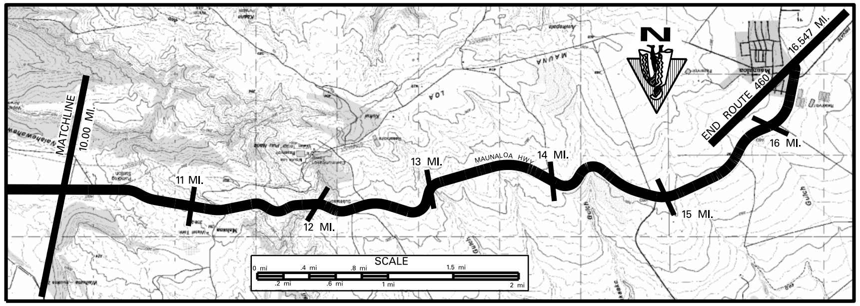
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**Total Route Length:** 16.547 miles

**a. Survey Length:** 16.547 miles

**b. Proposed Length:** 0.00 miles

**c. Other Length:** 0.00 miles

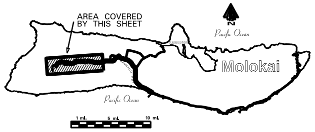


SCALE: (In Miles) 2" = 1 mile — 10 11 12 13 14 15 16 17 18 19 20

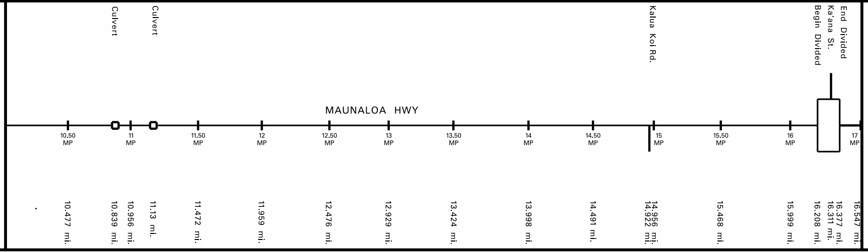
| | |
|---|---|
| Maintenance Control Sections : Length and Description | 460 A (16.56 mi.); End 460 A same as end Rte 460 |
| Structure Carrying Road: Bridges (Over 20'): Length, Type, Capacity and Year Constructed | |
| Vertical Clearance | |
| Horizontal Clearance | |
| Structure Over Road: Vertical Clearance | |
| Horizontal Clearance | |
| Right of Way Width (min.–max.) if varies | 80' – 400' |
| Available Right of Way Width (Needs Study) | ←(Clear 1000' Pineapple/Grass Pasture) 10.26; 1000' Clear – Grass, Bushes, 10'–20' from Pavement |
| Right of Way Fence: Type – Right and Left | 10.26 Wire on Wood 20'–30' from Pavement 13.69<br>Wire on Wood 20'–30' from Pavement 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) | 296+00; State; 0+00 .547 |
| Project No., Type of Construction, and Year Constructed | 460A–01–11MR, Resurface, 2015 11.00; STP–0460(016), Resurface, 2015 .547 |
| Project No., Type of Construction, and Year Constructed | STP–0460(12) Resurface, 1998 10.99 11.01; 460A–01–99M, Resurface, 2000 14.95 |

**Road Diagram**

* MP = Milepost Signage



CONTINUED FROM SHEET #1



* 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 MAUNALOA VILLAGE St. @ "END STATE HIGHWAY" SIGN. 16.547 MI.*

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

| | |
|---|---|
| Undivided: Shoulder: Width and Type | Shldr. Rumble Strip; 4' AC 10.26; 10.53 8' AC 10.54 Shldr. Rumble Strip; 4' AC; 10' 8' 15' 10' 8' 9'–15'; 14'; 16.44 16.51 (9'–14' Grv.) (15') Shldr. Rumble Strip |
| Pavement: Width and Type | 24' AC .300; 22'–24' AC; 14.95 15.15 15.26 15.60 15.73 15.82 16.08 16.20; (11'–12' AC) (22'–24' AC) |
| Shoulder: Width and Type | Shldr. Rumble Strip 10.26 10.54 Shldr. Rumble Strip; 4' AC; 10' 8' 15' 10' 8' 9'–15' 14'; .30 0 44; (9'–14' Grv.) (14') Shldr. Rumble Strip |
| Median: Width and Type | C.L. Rumble Strip; C.L. Rumble Strip (15') |
| Divided Highway: Median Barriers: | (12' Painted AC) .208 .33 .377 16.51 |
| Shoulder: Width and Type | 0 |
| Pavement: Width and Type | (11'–12' AC) |
| Shoulder: Width and Type | 14' Grass |
| Number of Traffic Lanes | 2–12' .300; 2–(11'–12') |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | .234 .311 10' |
| (Right Side) | |
| Frontage Road: No. of Lanes, and Width (Right and Left) | |
| Sidewalk: Width and Type (Right and Left) | (2' Conc. G.) (3' Conc. G.) (2' Conc. G.) (AC Curb) (AC Curb) (AC Curb); None |
| Curb and/or Gutter: Type (Right and Left) — All 2' Conc. Gutter unless otherwize noted | .543 .772 .743 .968 .167 .136 .548 .482 .634 .778 .098 .198 .455 .535 .813 .965 .055 .206 .302 .466 .535 .673 .697 .810 .802 .941 .913 .312 .402 .761 .819 .144 .708 .834 |
| Protective Devices: Type, Location and Number — Metal Rails on Concrete Posts unless otherwise noted. CB=Concrete Barricade | .260 .529 .655 .679 .750 .774 .129 .141 .283 .303 .402 CB .253 |
| Illumination: Type, Location and Number | .529 .631 .694 .775 .166 .353 .482 .550 .776 .838 .938 .007 .180 .237 .435 .548 .807 .941 .058 .193 .301 .464 .531 .677 .909 .030 .229 .298 .412 .725 .863 .134 .475 .602 .694 .828 .326 .277 .472 |
| 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 10.49 B 10.59 A 11.46 CA 11.61 C 11.85 A 11.95 C 12.26 A 12.70 CA 12.95 A 14.04 DA 14.26 D 14.46 A 14.85 B 15.09 A 15.70 BA 15.97 B 16.26 A 16.48 F |
| 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 10.12 C 10.39 D 12.49 B 12.88 A 13.26 B 14.67 A B 14.86 C 14.74 15.12 B 15.56 C 15.76 B 16.45 C |
| 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); .234 .547 |
| Speed: 1–Design, 2–Posted | 45 MPH (2); .035 20 MPH (2); ←(20 MPH (1)) |
| Intersection Control Devices: Type, Location and Cycle Timing | 35 MPH (2) .220 |
| Traffic Stations (Current Year) | B75 0460 00696; 14.92; B75 0460 01492 |
| HPMS Sections – AADT 2019 | 1,200; 710 |
| HPMS Sections – AADT 2018 | 1,200; 830; .547 |
| HPMS Sections – AADT 2017 | 1,400; 818 |
| DOD Sections | |
| Census Tracts | |
| Functional Classification | Major Collector (5) |
| National Highway System (NHS) | Not on NHS (0) |
| Previous Projects: Project No., Date and Limits | (460A–01–70, Slope Imprv., 1971); (46A–01–71, Resurface, 1971); 460B–01–83M, Resurface, 1983 11.56 11.86 11.99 12.20; (46A–01–71, 1971); 460A–01–91M, Shldr. Paving, 1992; RS–0900(24), Resurface, 1986; FAS 21(1), 1949; 14.95 RS–0900(24), Resurface, 1986 |

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

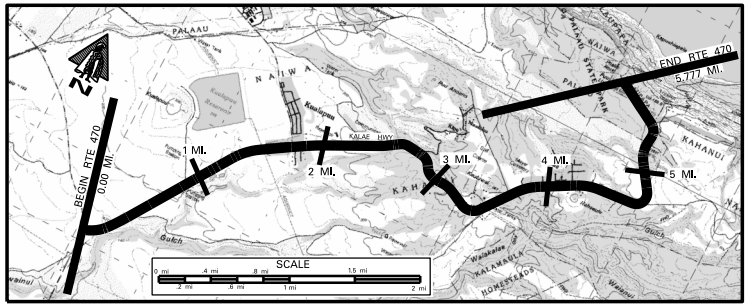
| Date Released | |
|---|---|
| Mar. 04, D.B. | |
| Revised | |
| Nov., 06 | D.B. |
| Mar., 09 | D.B. |
| Feb. 11 | D.B. |
| Feb. 12 | D.B. |
| Sept. 12 | E.P.J. |
| Dec. 13 | E.P.J. |
| July 14 | D.B. |
| Jan 16 | D.B. |
| Jan 17 | D.B. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

# 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

Right of Way Width (min.–max.) & varies: 80' – 120' (0.00–2.26); 60' – 70' (2.26–5.09); 60' – 130' (5.09–5.777)

Available Right of Way Width (Needs Study): 1000' PINEAPPLE FIELD, 20' – 30' FROM PAVEMENT; NONE; RES AREA (0.00–0.18); 1000' CLR PINEAPPLE 20' FROM PAVT; PASTURE AREA W/ SOME HOUSES; WIRE ON WOOD 10' – 25' FROM PAVEMENT; WIRE ON WOOD 10' – 20' FROM PAVEMENT; LARGE TREES & BUSHES (5.09–5.777)

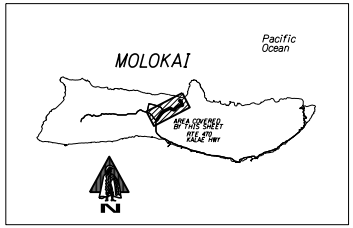
Right of Way Fence: Type – Right and Left: NONE

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE (0.00–0.01); (5.09–5.777)

Project No., Type of Construction, and Year Constructed: ARR–0470(6), PREVENTIVE MAINTENANCE, 2010 (0.01–5.777)

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 INTERSECTION OF KALAE HIGHWAY WITH MAUNALEA HIGHWAY (ROUTE 460). 0.00 MI.

KALAE HIGHWAY

| Milepost | Feature |
|---|---|
| 0.022 mi. | CULVERT |
| 0.401 mi. | ROAD |
| 0.869 mi. | |
| 1.003 mi. | |
| 1.474 mi. | TRACTOR XING |
| 1.557 mi. | N. KIAPA ST. |
| 1.636 mi. | N. MONIST. |
| 1.638 mi. | N. KIAPA PL. |
| 1.748 mi. | S. SHAKO PL. |
| 1.750 mi. | S. MONIST. |
| 1.783 mi. | S. KIAPA ST. |
| 1.93 mi. | LAMATI PL. FARRINGTON AVE (RTE 480) |
| 2.496 mi. | MICROWAVE COMM. STATION |
| 2.88 mi. | CULVERT |
| 2.742 mi. | KIPU ROAD (GOLF COURSE) |
| 3.106 mi. | |
| 3.464 mi. | ROAD TO WATER TANK |
| 3.801 mi. | RANCHO DEL MOLOKAI (MAUNALEI MUSEUM) |
| 3.828 mi. | RANCHO DEL MOLOKAI (GOLF COURSE) |
| 4.037 mi. | |
| 4.177 mi. | KALAMA ROAD |
| 4.288 mi. | KAHI PL. |
| 4.372 mi. | NANIKAI PLACE |
| 4.669 mi. | R.W. MEYER LTD. ROAD TO WATER TANK |
| 5.09 mi. | |
| 5.327 mi. | RD. TO PALAAU DRIVEWAY |
| 5.232 mi. | |
| 5.501 mi. | PAVILION |
| 5.657 mi. | PARKING AREA |
| 5.777 mi. | RD. TO KALAUPAPA |

0 MP, 1 MP, 2 MP, 3 MP, 4 MP, 5 MP, 5.777 MI.

END ROUTE 470 ON KALAE HIGHWAY AT INTERSECTION OF KALAE HIGHWAY WITH ENTRANCE TO THE NEW KALAUPAPA LOOKOUT PARKING LOT.

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

SCALE: (In Miles) 2" = 1 mile

**Divided Highway — Undivided**

Shoulder: Width and Type: 6' AC (0.00–3.15); 8'–9' AC (3.15–5.777)

Pavement: Width and Type: (22'–24') AC (0.00–0.90); (18'–20') AC (0.90–3.15); (22'–24') AC (3.15–5.777)

Shoulder: Width and Type: 6' AC (0.00–3.15); 8'–9' AC (3.15–5.777)

**Divided Highway — Median**

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes: 2–(11'–12') (0.00–0.90); 2–(9'–10') (0.90–3.15); 2–(11'–12') (3.15–5.777)

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): 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) (0.00–2.26); ROLLING (2) (2.26–5.777)

Speed: 1–Design, 2–Posted: 45 MPH (2); 30 MPH (2); 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 00276; B75 0470 00429

HPMS Sections – AADT 2019: 2,100; 906; 800; 150

HPMS Sections – AADT 2018: 2,400; 890; 886; 240

HPMS Sections – AADT 2017: 2,222; 960; 870; 232

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. |
| Feb. 18 | D.B. |
| Nov 18 | D.B. |
| Jan 21 | E.P.J. |

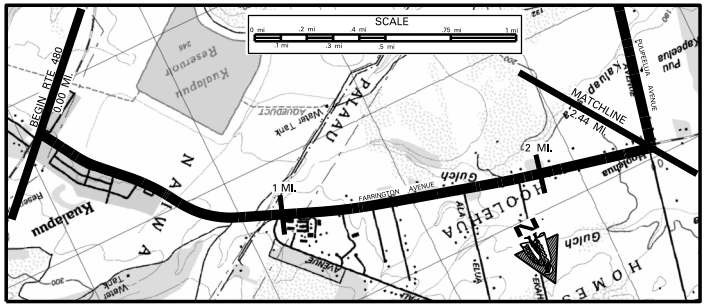
ROAD INVENTORY

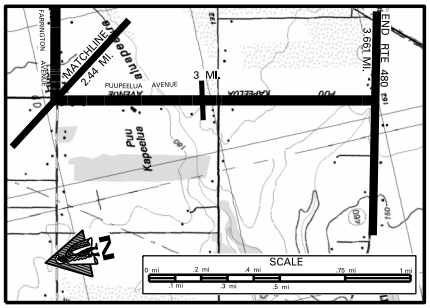
# MOLOKAI RTE 480
# FARRINGTON AVE. – PUUPEELUA AVE.

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 Northeast 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' — 80'

**Available Right of Way Width (Needs Study)**: RES. 0.35 — CLEAR 1000' PINEAPPLE 16' – 20' FROM EDGE OF PAVEMENT 0.47 — CLEAR 1000' GRASS & TREES 15' – 20' FROM PAVEMENT

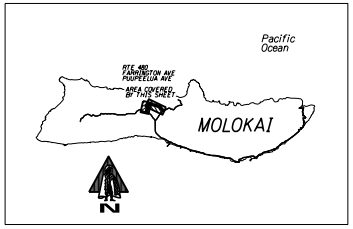
**Right of Way Fence: Type – Right and Left**: 0.57 WIRE ON WOOD 15' – 20' FROM PAVEMENT 2.50

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

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**: MP 0.00 STATE MP 3.661

**Project No., Type of Construction, and Year Constructed**: 0.00 ARR–0480(3), RESURFACE, 2010 3.661

**Project No., Type of Construction, and Year Constructed**: STP–0480(2) RESURFACE 1999




**Road Diagram**
* MP = Milepost Signage

BEGIN ROUTE 480 ON FARRINGTON AVENUE AT THE NORTHWEST EDGE OF PAVEMENT WITH KALAE HWY (RTE 470) — 0.00 mi.

FARRINGTON AVENUE

| Feature | Mile |
|---|---|
| HUUIA STREET | 0.098 mi. |
| PLANTATION STORE | 0.146 mi. |
| 'UWAO STREET | 0.229 mi. |
| ALAEKEA STREET | 0.330 mi. |
| EPANE STREET | 0.459 mi. |
| MP | 0.586 mi. |
| MOLOKAI H.S. | 0.989 mi. |
| LIHI PALI AVE. | 1.058 mi. |
| PARKING LOT | 1.116 mi. |
| H.S. EXIT | 1.239 mi. |
| PARKING LOT | 1.269 mi. |
| FIRE STATION & KEENA PLACE | 1.348 mi. |
| LEI KUKUI PLACE | 1.424 mi. |
| ALA EKOU ST. & ONE MILE MEASURED | 1.704 mi. |
| ALA ELUA STREET | 1.916 mi. |
| ALA EKAHI STREET | 2.00 mi. |
| MP | 2.239 mi. |
| MOLEPONO RD. & PUUPEELUA AVE. & FARRINGTON AVE. | 2.438 mi. |
| END ONE MILE MEASURED | 2.442 mi. |
| POST OFFICE ROAD | 2.500 mi. |
| MOLOKAI BAPTIST CHURCH | 2.706 mi. |
| MP | 3.010 mi. |
| MO'OMOMI AVE | 3.056 mi. |
| CULVERT | 3.638 mi. |

PUUPEELUA AVENUE

3.661 mi. — END ROUTE 480 ON PUUPEELUA AVE. AT THE NORTH EDGE OF PAVEMENT OF MAUNALOA HIGHWAY (ROUTE 460)

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH "HS" VIDOLOG & "IS" EXCUSES DATABASE.

SCALE: (In Miles) 4" = 1 mile

**Divided Highway – Undivided**
- Shoulder: Width and Type: 6' AC
- Pavement: Width and Type: (22'–24') AC — 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–(11'–12') — 2 – 11'

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

**(Right Side)**

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

**Sidewalk: Width and Type (Right and Left)**: 6' C.S.W.

**Curb and/or Gutter: Type (Right and Left)**: C.G. 2'C.G. — 6' CRM Ditch — CONCRETE CURB AND GUTTERS

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

**Illumination: Type, Location and Number**: 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) — A — (F) — A

**Superelevation (Range)**

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

**Vertical Curve: Crest or Sag, Curve Limits**

**Area and Development**: RURAL (99999)

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

**Speed: 1–Design, 2–Posted**: (35 MPH (1)) — 35 MPH (2) — 20 MPH (2) — 35 MPH (2) — (35 MPH (1))

**Intersection Control Devices: Type, Location and Cycle Timing**

**Traffic Stations (Current Year)**: B75 0480 00033 — B75 0480 00244

**HPMS Sections – AADT 2019**: 2,000 — 1,600

**HPMS Sections – AADT 2018**: 2,000 — 2,000

**HPMS Sections – AADT 2017**: 1,700 — 1,700

**DOD Sections**

**Census Tracts**

**Functional Classification**: MAJOR COLLECTOR (5)

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

**Previous Projects: Project No., Date and Limits**

HWY–M–01–82M 1982 RESURFACE

S–0480–(1) 1968

S–0480–(1) UNIT 1 1965 — S–0480–(1), UNIT 2 1965 — 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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

# ROAD INVENTORY

# LANAI RTE. 440
# KAUMALAPAU HWY., MANELE RD.

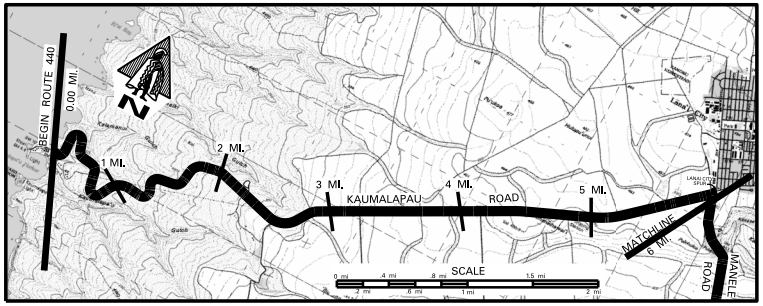
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

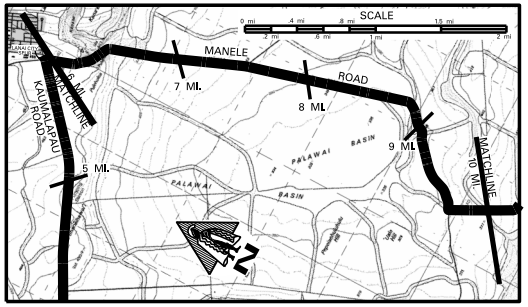
PREPARED BY THE HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| * 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.) 8' varies: 90' – 200' | 80' – 130' | 100' | 80' – 150' | 30'

Available Right of Way Width (Needs Study): Clear 1000' Pineapple Fields / Bushes, Small Trees 15' – 25' From Edge of Pavement

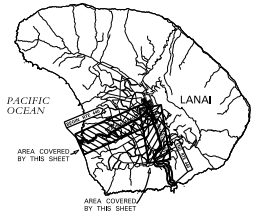
Right of Way Fence: Type – Right and Left: NONE; 440B–01–11M Repair and Maint., 2015

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): STATE

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–01–57M, Resurf., 2008; 440B–01–04M, Resurf, 2005; STATE; 440B – 02 – 98M, R, '99; (440B–01–04M, Resurf, 2005)

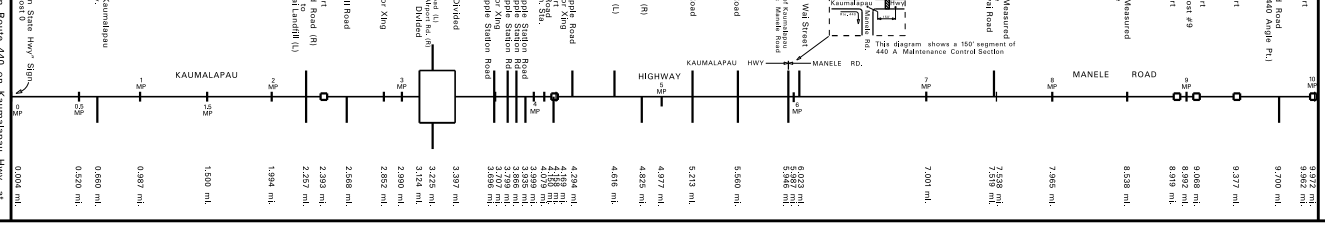
Project No., Type of Construction, and Year Constructed: HWY – M – 02 – 97M, Shldr. Paving, 1998; 440A–01–02M, (R) 2003; 440A–01–96M, 1997; STP – 0440(6) Resurf. Worksite #1 1996; 440B 01 – 98M 1999 (Resurf.); STP–0440 (5), 1995 (Resurfacing & Improvements)




## 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.




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 | 2' AC
Pavement: Width and Type: (22'–24') AC | (22'–24') AC | (20'–22') AC | (18'–20') AC
Shoulder: Width and Type (ALL SHOULDERS GRASS EXCEPT WHERE OTHERWISE INDICATED): 6' AC | 6' GRV | 6' AC | 6' AC | 2' AC
Median: Width and Type: 11'–12' AC; 0; 10' PAINTED AC
Shoulder: Width and Type: 0
Pavement: Width and Type: 11'–12' AC
Shoulder: Width and Type: 6' AC

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

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 10' TLs
(Right Side)

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

Sidewalk: Width and Type (Right and Left): 4' Conc.

Curb and/or Gutter: Type (Right and Left): CONC. GUTTERS

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) | ROLLING (2) | FLAT (1)

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B76 0440 00000; P76 0440 00407; B76 0440 00603

HPMS Sections – AADT 2019: 153; 1,100; 1,600

HPMS Sections – AADT 2018: 150; 990; 1,600

HPMS Sections – AADT 2017: 210; 830; 1,400

DOD Sections: COUNTY

Census Tracts

Functional Classification: MAJOR COLLECTOR (5)

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

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 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. |
| Feb. 18 | D.B. |
| Nov. 18 | D.B. |
| Jan 21 | E.P.J. |

ROAD INVENTORY

# LANAI RTE. 440
# MANELE ROAD, AIRPORT ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

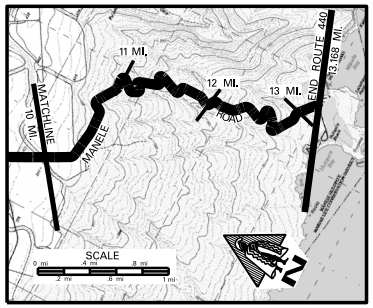
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

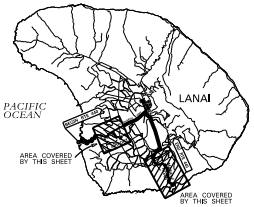
| | | |
|---|---|---|
| * ROUTE LENGTH | = | 13.168 mi. |
| AIRPORT SPUR | = | 0.471 mi. |
| LANAI CITY SPUR | = | 0.026 mi. |
| TOTAL | = | 13.665 mi. |

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 ________

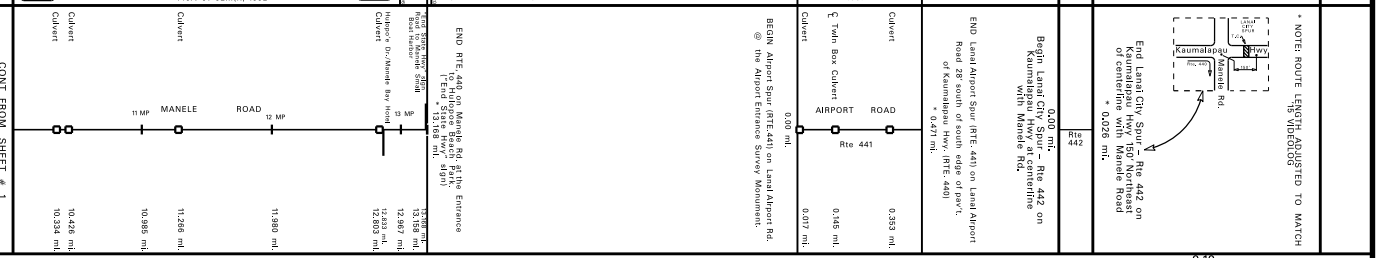


| SCALE: (In Miles) 2" = 1 mile | | 10 · 11 · 12 · 13 | 13 · 14 · 15 · 0 | 0 · .5 | 0 · 0 | | 0.10 |
|---|---|---|---|---|---|---|---|
| Maintenance Control Sections : Length and Description | | 440B (7.21 mi.) | End 440 B Same as End Route · Beg 440 A Same as Beg. Airport Road (Spur) | 440A (0.57 mi.) | 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 · 104+00 · 440B–01–11M Repair and Maint.,2015 | | NONE | | | |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | | 10.03 · 98+00 · State · 106+00 · 174+00 | 178+00 | STATE | | | |
| Project No., Type of Construction, and Year Constructed | | ← 440B–01–11M Repair and Maint.,2015 → 11.58 · 11.69 · 11.70 · 440B–01–04M, Resurf., 2005 · 12.94 · 13.02 · 13.09 | ←STP–0440(6) (Resurface) | 440A–01–88M Resurf. | 310+60 | | 312+24 |
| Project No., Type of Construction, and Year Constructed | | 16+10 · 440A–01–92M(R) 1992 · 171+50 · 12.96 | 13.20 · (Worksite #2 1996) | 1987 | | ◁ | —(440A–01–07M Resurf., 2008) |



## Road Diagram

* MP = Milepost Signage



| SCALE: (In Miles) 2" = 1 mile | | 10 · 11 · 12 · 13 | 13 · 14 · 15 · 0 | 0 · .5 | 0 · 0 | | 0.10 |
|---|---|---|---|---|---|---|---|
| Undivided: Shoulder: Width and Type (ALL SHOULDERS GRASS EXCEPT WHERE OTHERWISE INDICATED) | 25' Dirt → | 10.05 · 6' · 10.29 · 2' · 10.85 · 0 · 10.96 · 11.03 · 1'–3' · 0 · 11.29 · 2' · 11.46 · 11.51 · 11.55 · 0 · 11.75 · 2'–4' · 12.11 · 0 · 2' · 12.92 · 0 · 12.97 · 2' | All Gravel | 6' · 0.09 · 6' | | | |
| Undivided: Pavement: Width and Type | | (18'–20') AC · 4'–8' · .100 · 11.22 · 0 · 4'–8' · 2' · 2'–4' · 20' AC · 2'–4' GRS/GRV · 12.80 | | 20' AC | | 24' AC | |
| Undivided: Shoulder: Width and Type (ALL SHOULDERS GRASS EXCEPT WHERE OTHERWISE INDICATED) | 25' Dirt → | 10.05 · 6' · 10.34 · 4'–8' · 10.68 · 2' · 11.18 · 8'–10' · 11.26 · 6' · 11.49 · 0 · 11.70 · 12' · 11.75 · 11.79 · 0 · 11.83 · 11.92 · 0 · 11.98 · 4' · 0 · 12.04 · 12.12 · 2' · 12.40 · 0 · 12.49 · 12.53 · 0 · 12.58 · 2' · 12.69 · 0 · 12.77 · 12.85 · 8'–10' GRS/GRV · 2'–4' · 13.04 | ←6'–12' · All Gravel | 4' · 0.09 · 3' | | | |
| Divided Highway: Median: Width and Type | | | | | | | |
| Divided Highway: Shoulder: Width and Type | | | | | | | |
| Divided Highway: Pavement: Width and Type | | | | | | | |
| Divided Highway: Shoulder: Width and Type | | 13.16 | | | | | |
| Number of Traffic Lanes | | 2–(9'–10') · .100 · 2–10' | | 2–10' | | 1–11'<br>1–10' | |
| 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 | | 5' Conc. | |
| Curb and/or Gutter: Type (Right and Left) | | .685 · .728 · AC C. · .111 · .162 · .199 · .226 · AC C. · .332 · AC C · .466 · .609 · .720 · AC C. · .198 · .256 · AC C. · .365 · .557 | | NONE · .457 · .470 | | NONE | |
| Protective Devices: Type, Location and Number (All Metal Rails on Metal Posts unless otherwise noted.) | | .583 · .654 · .684 · .721 · .831 · .904 · .977 · .046 · .148 · .247 · .326 · .467 · .502 · .547 · .683 · .724 · .755 · .917 · .052 · .195 · .279 · .458 · .508 · .630 · .919 · .975 | | .126 · .164 M/M · .125 · .163 M/M · M/M | | 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) | | A .179 E .241 A .410 B A .590 E .732 A .871 E A .959 F A .091 E A .156 F .298 A .408 F .552 A .672 F .782 A .897 E A .960 E .088 D .154 C E .252 A E .381 A .446 F A .533 F .612 A E .702 F A .906 D E .013 A E | (F)→ | .013 · A A | | A | |
| Superelevation (Range) | | | | | | | |
| Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45) | | A · .110 · D · .575 · E | | A · .149 · B · .440 · C | | B · C · .014 | |
| 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) · 10.35 · MOUNTAINOUS (3) · 13.16 | ←FLAT (1) | FLAT (1) · .447 | | ◁ | —(FLAT (1)) |
| Speed: 1–Design, 2–Posted | | 35 MPH (1)<br>35 MPH (2) · .762 · 25 MPH (2) | | 30 MPH (2)<br>30 MPH (1) | ←(30 MPH (1)) · 20 MPH (2)→ · 25 MPH (2)→ | | |
| Intersection Control Devices: Type, Location and Cycle Timing | | | | | | | |
| Traffic Stations (Current Year) | | B76 0440 00603 · B76 0440 01284 | | B76 0441 00000 | | B76 0442 00000 | |
| HPMS Sections – AADT 2019 | | 1,600 · 12.84 · 680 | | 383 | | 3,258 | |
| HPMS Sections – AADT 2018 | | 1,600 · 672 | 13.18 | 377 | | 3,200 | |
| HPMS Sections – AADT 2017 | | 1,400 · 660 | | 370 | | 2,800 | |
| DOD Sections | | | | | | | |
| Census Tracts | | COUNTY | | | | | |
| Functional Classification | | MAJOR COLLECTOR (5) | | MAJOR COLLECTOR (5) | | ◁ | —(MAJOR COLLECTOR (5)) |
| National Highway System (NHS) | | NOT ON NHS (0) | | NOT ON NHS (0) | | ◁ | —(NOT ON NHS (0)) |
| Previous Projects: Project No., Date and Limits | | | | | | | |
| | | | | | | | |
| | | 440A – 01 – 92M(R) 1992 · 13.16 | | S – 0440(1) | | | |
| | | 440B – 01 – 82M(R) 1982 · 11.25 · 11.87 · 440B – 01 – 83M(R) 1983 | | 1959 | | | |
| | | | | | | | |
| SCALE: (In Miles) 2" = 1 mile | | 10 · 11 · 12 · 13 | 13 · 14 · 15 · 0 | 0 · .5 | 0 · 0 | | 0.10 |

| 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. |
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| July 14 | D.B. |
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