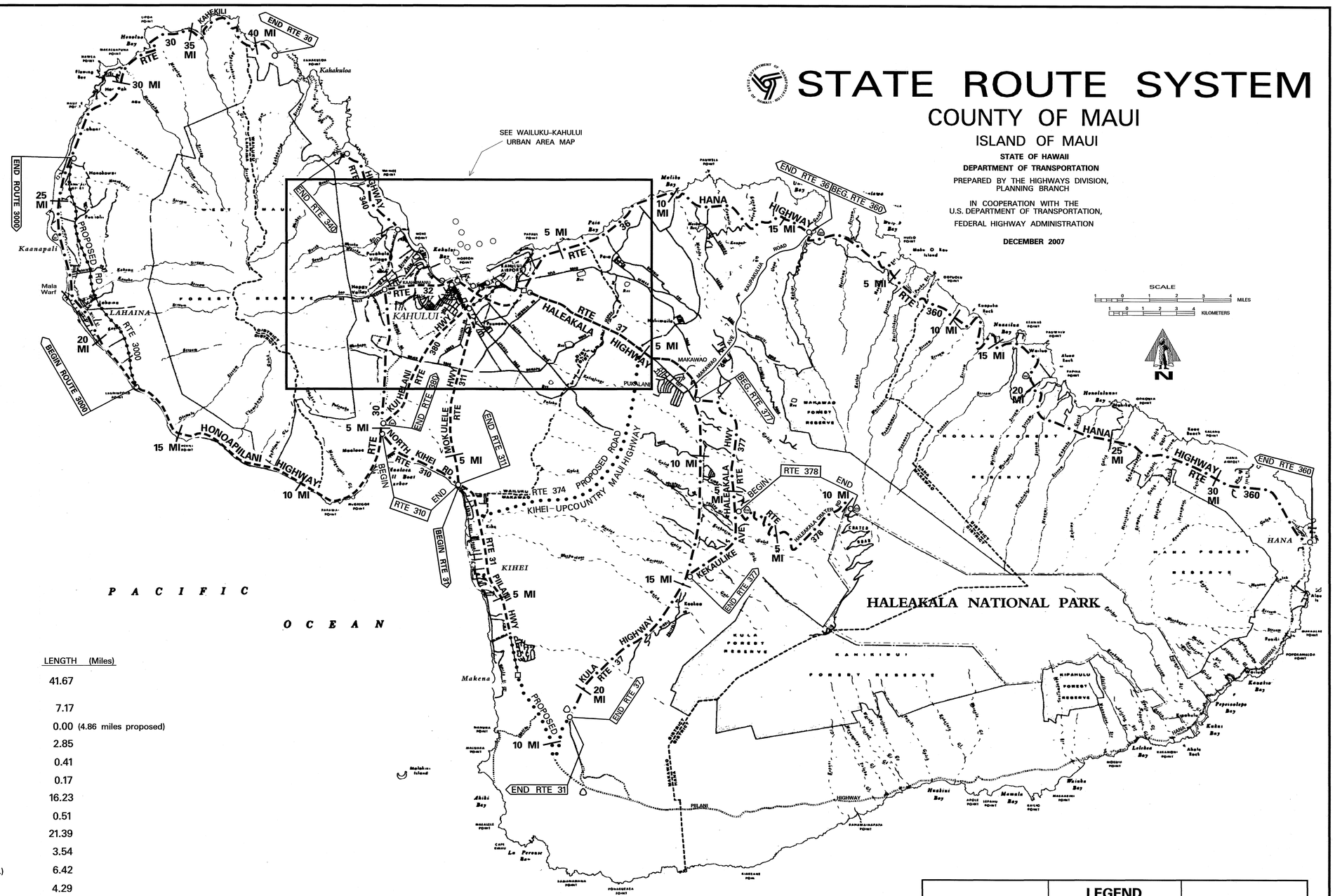
# STATE ROUTE SYSTEM

## 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 2007



MAUI:

| ROUTE | | LENGTH (Miles) | |
|---|---|---|---|
| 30 | (High St., Honoapiilani Hwy., Kahekili Hwy.) | 41.67 | |
| 31 | (Piilani Hwy.) | 7.17 | |
| 31 | (Piilani Hwy. extension) | 0.00 | (4.86 miles proposed) |
| 32 | (Main St., Kaahumanu Ave.) | 2.85 | |
| 32A | (Hobron St.) | 0.41 | |
| 32B | (Wharf St.) | 0.17 | |
| 36 | (Hana Hwy.) | 16.23 | |
| 36A | (Haleakala Hwy., Keolani Pl.) | 0.51 | |
| 37 | (Haleakala Hwy., Kula Hwy.) | 21.39 | |
| 310 | (North Kihei Rd.) | 3.54 | |
| 311 | (Puunene Ave. Mokulele Hwy.) | 6.42 | |
| 340 | (Kahekili Hwy.) | 4.29 | |
| 360 | (Hana Hwy., Keawa Pl.) | 34.93 | |
| 377 | (Haleakala Hwy., Kekaulike Ave.) | 9.17 | |
| 378 | (Haleakala Crater Rd.) | 10.15 | |
| 380 | (Dairy Road, Kuihelani Hwy.) | 6.18 | |
| 3000 | (Lahahina Bypass) | 0.00 | (8.95 miles proposed) |
| 3400 | (Kahului Beach Rd., Waiehu Beach Rd.) | 2.62 | |
| 3500 | (Puunene Ave.) | 1.11 | |
| 3800 | (Airport Access Extension) | 0.00 | (1.67 miles proposed) |

**MAUI TOTAL = 168.81**

**COUNTY OF MAUI:**

| | LENGTH (Miles) |
|---|---|
| MAUI | 168.81 |
| MOLOKAI | 55.65 |
| LANAI | 13.68 |
| **TOTAL** | **238.14** |

**LEGEND**

| | |
|---|---|
| – – – – – – – – – | STATE (NHS) |
| –·–·–·–·–· | STATE (Non–NHS) |
| · · · · · · · · · · | PROPOSED |
| ·–·–·–·–·–· | PROPOSED (NHS) |
| ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ | WATER (NHS) |

○ Route termini point

□ NHS to non–NHS transition point

| Date Released | |
|---|---|
| Dec 2002, JK | |
| Revised | |
| Jan. 04 | D.B. |

# STATE ROUTE SYSTEM

## COUNTY OF MAUI

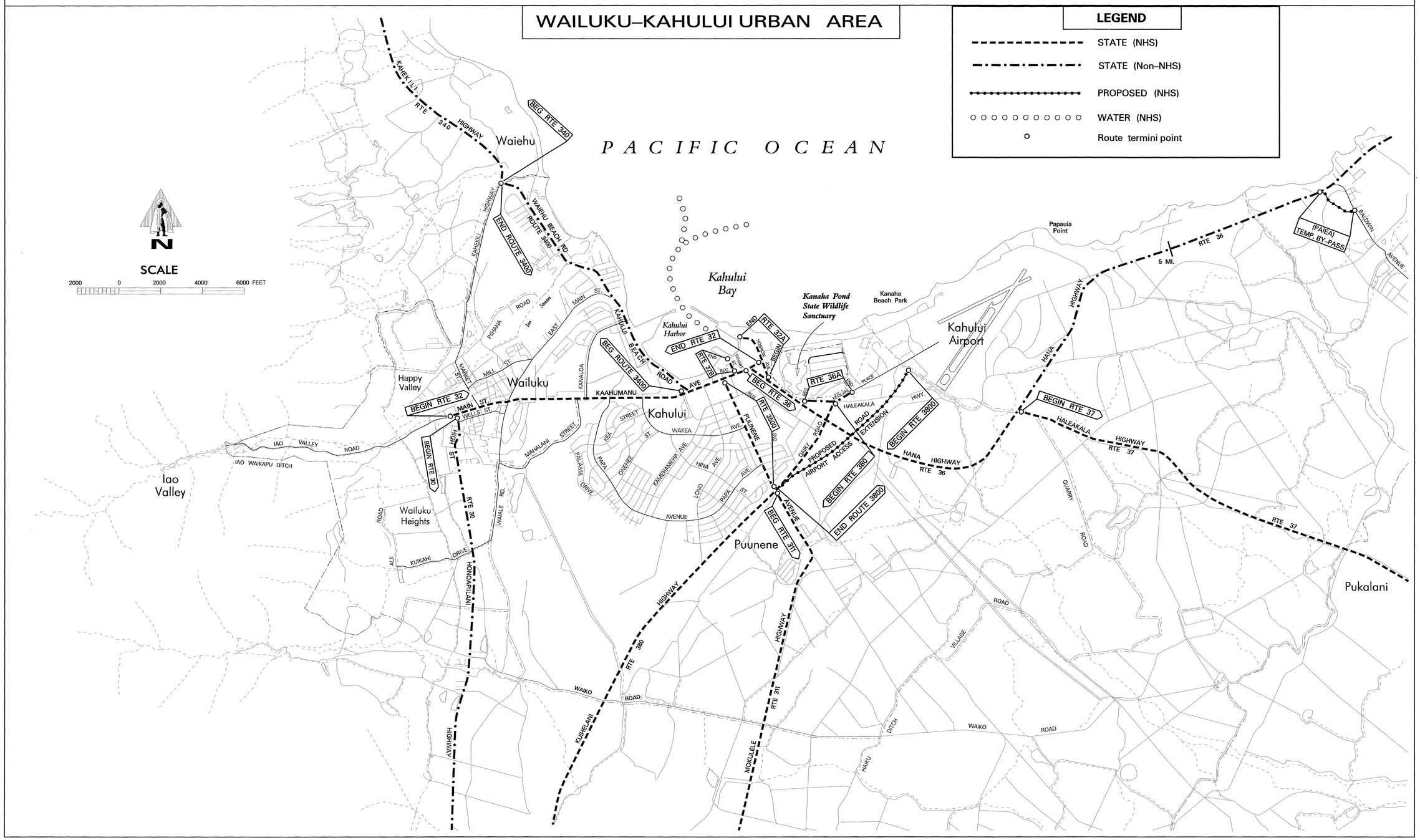
### ISLAND OF MAUI

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 2007

## WAILUKU–KAHULUI URBAN AREA




| Date Released | |
|---|---|
| Dec 2002 | JK |
| **Revised** | |
| Jun. 04 | DR |
| Feb. 08 | DR |


2

# STATE ROUTE SYSTEM

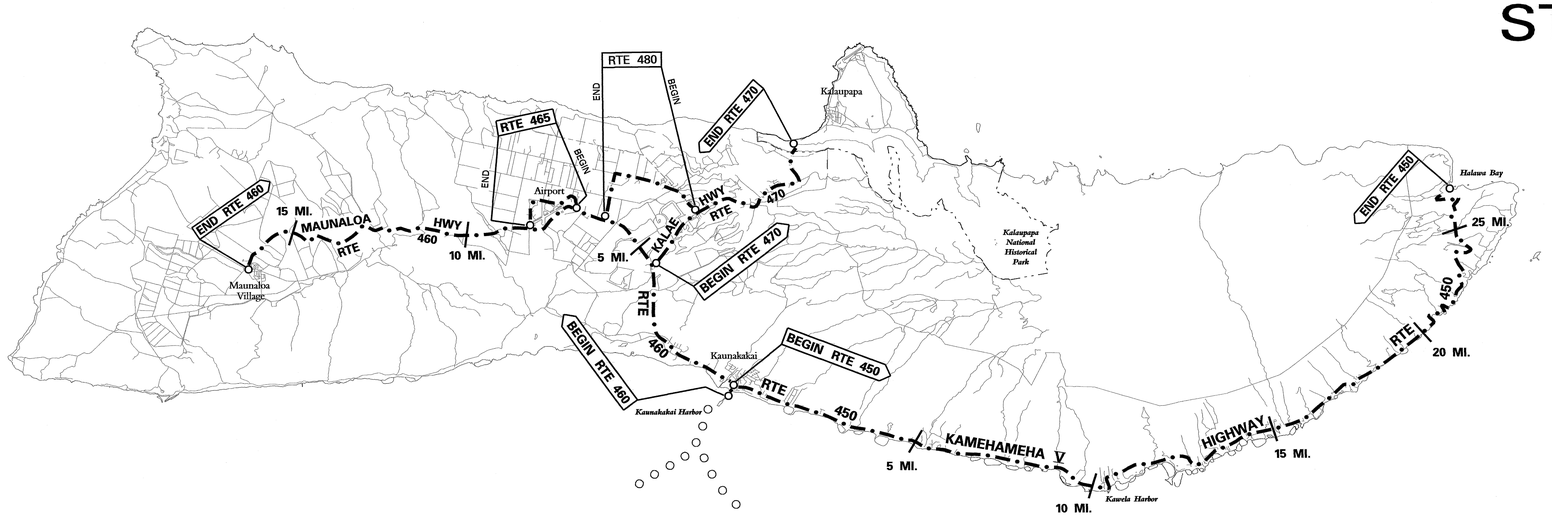
## COUNTY OF MAUI

### ISLANDS OF MOLOKAI & LANAI

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION

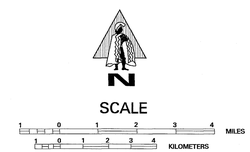
PREPARED BY THE HIGHWAYS DIVISION, PLANNING BRANCH
IN COOPERATION WITH THE U.S. DEPARTMENT OF TRANSPORTATION,
FEDERAL HIGHWAY ADMINISTRATION

DECEMBER 2007

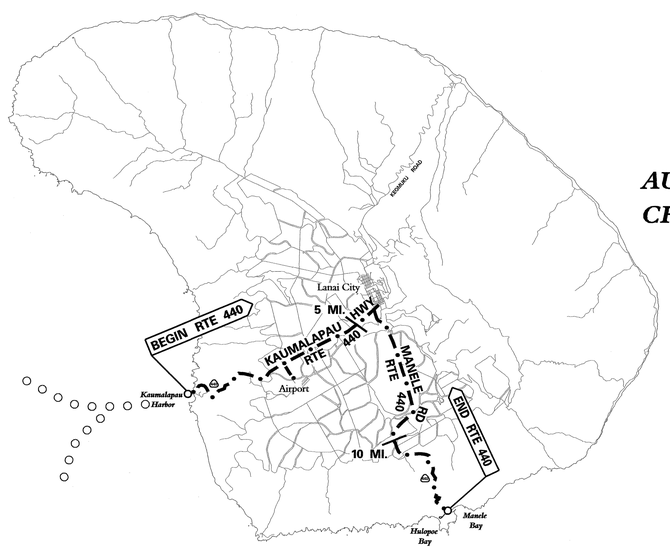



*KALOHI CHANNEL*

*PACIFIC OCEAN*




*AUAU CHANNEL*




| ROUTE | LENGTH MILES) |
|---|---|
| MOLOKAI: | |
| 450 | 27.51 |
| 460 | 16.56 |
| 465 | 2.13 |
| 470 | 5.79 |
| 480 | 3.66 |
| MOLOKAI Total = | **55.65** |

| | | |
|---|---|---|
| LANAI: | | |
| 440 | **13.68** | (Includes Lanai City spur (0.03 mi.) and access road (0.47 mi.) to Lanai Airport |

**LEGEND**

- STATE (Non–NHS)
- WATER (NHS)
- Route termini point

| Date Released | |
|---|---|
| Dec 2002 | JK |
| **Revised** | |
| Jun. 04 | DB |
| May. 05 | DB |

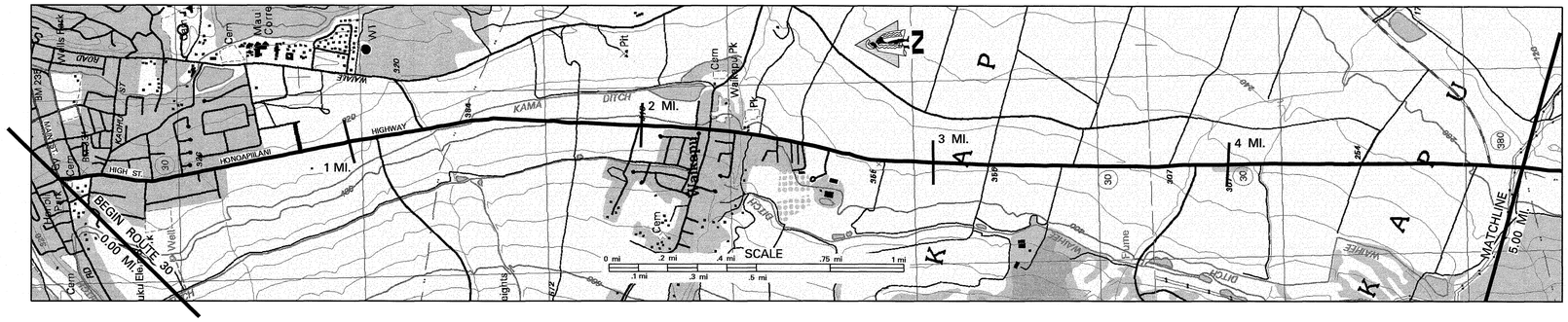

3

# ROAD INVENTORY
# MAUI RTE 30
# HIGH ST. – HONOAPIILANI HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

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




SCALE: (In Miles) 4" = 1 mile

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

**Structure Carrying Road**
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: SLAB, 1937, H-15 (39' / 3.32); 74' PRE-STRESSED CONC. GIRDER, HS-20-44, 2002 (4.98; 38' N.B. / 36' S.B.)
- Vertical Clearance
- Horizontal Clearance: 24'
- Vertical Clearance
- Horizontal Clearance

**Structure Over Road**

**Right of Way Width (min.–max.) if varies:** 70' (2.23); 85' – 195' (4.98)

**Available Right of Way Width (Needs Study):** Res. Area (0.07–0.13) | Pipe Fence | 0.54 | 1000' Clear, Sugar Cane Field 15' from E.P. | Res. Area (2.47–2.52) | 1000' Clear, Sugar Cane Field 25' from E.P.

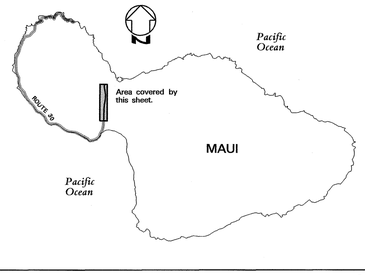
**Right of Way Fence: Type – Right and Left:** Stone Wall (0.00–0.10) | Chain Link (2.17–2.21) | (2.48–2.52)

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

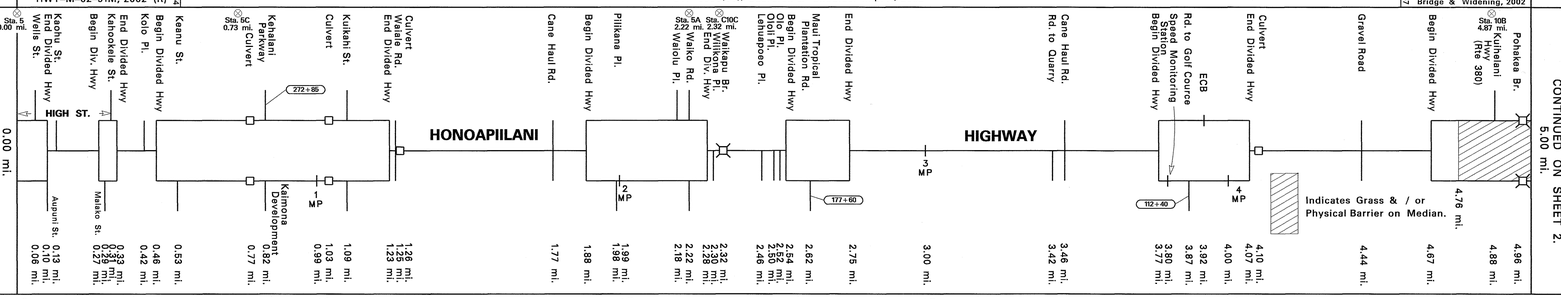
**Jurisdiction, Transfer Phase No. and Date (C to S or S to C):** State (287+60; 75+13.50)

**Project No., Type of Construction, and Year Constructed:** STP-NH-0900(62), RESURF. 2004 (0.98) | 30D-01-05, Resurf., 2006

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




## Road Diagram
* MP = Milepost Signage




SCALE: (In Miles) 4" = 1 mile

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

**Divided Highway**
- Median: Width and Type: 0'-8' Paint | (0'-8' Paint) | 0'–12' Paint | 0'–12' Paint | 0'–12' Paint | (8' Paint) | 8'-18' Grass (32' Grass) (20' Grass)
- Shoulder: Width and Type: 0 | 0 | 0 | 0 | 0 | 0 | 4' AC
- Pavement: Width and Type: (14' AC) | (23' AC) | 12' AC | 12' AC (5' AC Bike Ln.) | 12' AC (5' AC Bike Ln.) | 12' AC | 12' AC | 24' AC
- Shoulder: Width and Type: 0 | 6' AC | 4' AC/2' Grass | 6' AC | 6' AC | 6' AC | 8' AC

**Number of Traffic Lanes:** 1-12' (1-23') | 2–12' | 2-10' (5' AC Bike Ln.) | 2–12' | 4–12'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side):** 9' (L) Turn Lanes | 8' Parallel Parking | 12' Turn Lanes | 10' Turn Lanes | 12' Turn Lanes | 12' Turn Lanes | (Transition Lane 0-12') | 12' Turn Lane

**(Right Side):** 12' Turn Lane

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

**Sidewalk: Width and Type (Right and Left):** 4' Conc. | 4' Conc. Sidewalks | 4' Conc. Sidewalk

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

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

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

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

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

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

**Area and Development:** Urban | Rural

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

**Speed: 1–Design, 2–Posted:** 20 MPH (2) | 35 MPH (2) | 45 MPH (2) | 30 MPH (2) | 45 MPH (2) | 45 MPH (2) | 55 MPH (45 MPH Minimum) (2) | 45 MPH (2) | 45 MPH (Minimum 35 MPH) (2) | 3 Phase

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

**Traffic Station:** B74 0030 00000 | B74 0030 00029 | B74 0030 00063 | B74 0030 00109 | B74 0030 00198 | B74 0030 00290 | (B74 0030 00488)

**HPMS Section:** 0.19 | 0.59 | 0.99 | 1.78 | 2.55 | 3.99

**AADT** (Year 2006): 13,600 | 11,800 | 11,200 | 14,800 | 14,600 | 14,300 | 28,800

**DOD Sections**

**Census Tracts**

**Functional Classification:** Principal Arterial

**National Highway System (NHS):** NHS

**Previous Projects: Project No., Date and Limits**
- STP-0900(50), GUARDRAIL AND SHOULDER IMPROVEMENTS
- (NH-030-1(25) R, 1996)
- 30C-01-92 M (R) 1993
- ( RSG-0380(8) Traffic Signals (30D-01-92M R, 1982))
- HWY-M-02-91M, 1992 (R)
- 30D-01-82M (Resurface) 1982
- 308C-01-70, 1970
- County
- FAP-13G 1936

SCALE: (In Miles) 4" = 1 mile

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

| Revised | |
|---|---|
| Sept. 04 | D.B. |
| Nov. 06 | D.B. |

# ROAD INVENTORY
# MAUI RTE 30
# HONOAPIILANI HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
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**Total Route Length:** 41.67 miles
**a. Survey Length:** 41.67 miles
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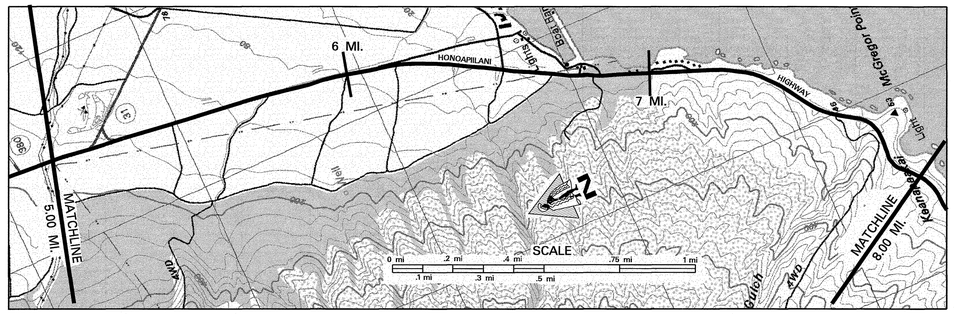
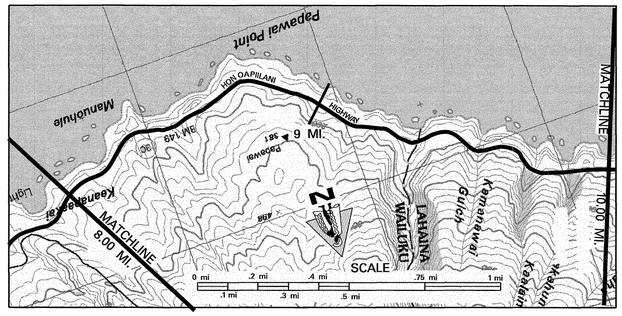


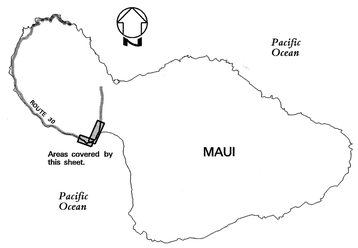




SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description: 30 D (4.88 Mi.) 5.20 — End 30 C – Beg. 30 D on Honoapiilani Hwy 450' South of Projected Centerline Intersection of the North Spur to Kihei Road. — 30 C (15.33 Mi.)

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

Right of Way Width (min.–max.) if varies: 85' – 195' (5.31); 160'–180' (6.13); 80'–100' (6.29); 70' – 125' (7.53); 70' – 160' (8.02); 120'–490'
Available Right of Way Width (Needs Study): 1000' Clear, Sugar Cane Field 25' From E.P. (5.27); 1000' Clear, Pineapple Field, 35' from E.P. (6.75); Residential Area (7.00); Brush and Trees
Right of Way Fence: Type – Right and Left: Wire on Wood (5.38); Wire on Wood (6.76–7.00); Wire on Wood (7.34–7.53); Wire on Wood (7.94–8.01); Wire (9.15–9.95); Rock Fall Protection
Control of Access: 1–None, 2–Partial, 3–Full: None
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State
Project No., Type of Construction, and Year Constructed: NH–030–1(28), Widening, 2003 (5.31–6.29); STP–0900(53), 2002 Guardrail & Shldr. Imp. (6.67–7.48); STP–0900(53), 2002 Guardrail & Shldr. Imp. (9.61)
Project No., Type of Construction, and Year Constructed: BR–NH–030–1(24) Bridge & Widening, 2002 (5.20); NH–030–1(25) Resurface 1996 (7.47); (30C–01–88M (R) 1988); (ROS–030–1(14), Imp. 1979); HWY–M–01–99M (R) 2000




**Road Diagram**
* MP = Milepost Signage

CONTINUED FROM SHEET 1.

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

HONOAPIILANI — 5.00 mi. — 5.96 mi. — 6 MP — 7 MP — 8 MP — 9 MP — HIGHWAY — 10.00 mi.

5.22 mi. 5.97 mi. 6.11 mi. 6.36 mi. 6.51 mi. 6.49 mi. 6.70 mi. 6.68 mi. 6.82 mi. 7.00 mi. 6.99 mi. 8.03 mi. 8.18 mi. 8.50 mi. 8.70 mi. 8.69 mi. 8.68 mi. 8.80 mi. 9.03 mi. 9.92 mi.

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 (5.31); 8' AC; 4'–6' AC (6.29); 6'–8' AC (7.16); 4'–6' AC (8.40); 6'–8' AC (9.00); 8'–10' AC
Pavement: Width and Type: 24' AC; 12' AC (6.34); 24' AC; 36' AC (6.67); 24' AC; 14' AC; 24' AC
Shoulder: Width and Type (Combination Shldr./Bike Route from 6.83mi. to 20.23mi.): 4' AC (6.03); 0; 6'–8' AC; 0; 6'–8' AC (9.52); 8'–10' AC
Median: Width and Type: 32' Grass; 22' Grass (5.37); 0–10' Paint (5.85); 6.49; 0–14' Painted AC (8.50); 8.80
Shoulder: Width and Type: 4' AC; 6.03; 0; 0
Pavement: Width and Type: 24' AC; 6.17; 12' AC; 14' AC
Shoulder: Width and Type (Combination Shldr./Bike Route from 6.83mi. to 20.23mi.): 8'–10' AC; 6.03; 6.37; 6'–8' AC; 6'–8' AC

Number of Traffic Lanes: 4–12'; (1–12') (2–12') 6.11; 2–12' 6.34; 2–12' 1–12' (8.49) 6.59; 6.67; 2–12'; 8.80; 2–14' 8.69; 8.71; 8.80; 2–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) (All 12' TLs.): 5.06; 5.22; 5.37; 5.91; 6.11; 6.26; 6.46; 6.59
(Right Side) (All 12' TLs.): 5.07; 5.22; 5.42; 5.93; 6.11; 6.25; 6.36; 11' Turn Lane 8.68; 8.88; 8.90 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): 5.01; 5.38; 5.45; 5.68; 6.68; 6.84; 6.77; 6.91; 6.96; 7.10; 7.25; 7.17; 7.50; 7.48; 7.55; 7.58; 7.70; 7.81; 7.93; 8.01; 8.07; 8.45; 8.33; 8.88; 8.81; 9.00; 9.08; 9.13; 9.16; 9.34; 9.38; 9.45; 9.51; 9.57; 9.62; 9.78; 9.82; 9.88; 9.95
Protective Devices: Type, Location and Number (All Metal on Metal except where indicated)
Illumination: Type, Location and Number: 5.03; 5.14; 15 HPS; 5.29; 5.72; 5.68; 5.96; 6.16; 6.29; 6.36; 6.46; 6.53; 6.57; 6.64; 6.60; 6.74; 6.80; 6.82; 6.87; 6.92; 7.16; 7.21; 7.28; 7.31; 7.36; 7.42; 7.49; 7.53; 7.62; 7.73; 7.83; 7.92; 8.06; 8.15; 8.23; 8.29; 8.30; 8.31; 8.37; 8.44; 8.55; 8.61; 8.79; 8.83; 8.95; 8.98; 9.07; 9.11; 9.24; 9.32; 9.39; 9.42; 9.50; 9.54; 9.71; 9.76; 9.82; 9.88
Curves: Degree of Curvature (Right and Left)
Superelevation (Range)
Grades: % Grade, Positive or Negative: +3 (6.03)
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: Rural
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Flat (6.05); Mountainous (6.70)
Speed: 1–Design, 2–Posted: 45 MPH (2); 45 MPH (Min. 35 MPH) (2); 45 MPH (5.23); 45 MPH (2); 45 MPH (Min. 35 MPH) (2)
Intersection Control Devices: Type, Location and Cycle Timing: 3 Phase (5.22); 6.36; 6.69
Traffic Station: B74 0030 00488; B74 0030 00611
HPMS Section: 5.69
AADT (Year 2006): 28,900; 6.11; 25,300
DOD Sections
Census Tracts
Functional Classification: Principal Arterial
National Highway System (NHS): NHS
Previous Projects: Project No., Date and Limits: NH–030–1(25) Resurface 1996 (7.47); (30C–01–92M (R) 1993) 5.03; 7.57; HWY–M–01–99M (R) 2000; 7.58; 30C–01–90M (R) 1990; 8.50; HES–STP–030–1(20) 1994; 8.88; 30C–01–90M (R) 1990; (30D–01–82M (R) 1982) 5.03; 5.21; 30C–01–86M (R) 1986; 6.96; 30C–01–88M (R) 1988; 7.56; 8.10; LT–M–01–78 (R) 1979; 30CD–01–84(Shldr. Imprv.) 1985; 6.68; 6.96; ROS–030–1(14) Safety Imprv. 1979; 8.32; 8.36; ROS–030–1(12) 1977; 30BC–01–70 1970; 30BC–01–71, (R) 1971; 7.27; Resurf 1950; 7.55; 30C–01–75M Resurf 1975; FAP – 13G 1936; 6.07; NRH – 13C 1934; 6.40; NRH – 13D 1935; 8.14; 111 + 00' 376 + 81.31; F–30(5) 1953

SCALE: (In Miles) 4" = 1 mile

CONTINUED ON SHEET 3.

| Date Released | |
|---|---|
| Aug 2003, D.B. | |
| **Revised** | |
| Aug 04 | D.B. |
| Nov. 06 | D.B. |

# ROAD INVENTORY
# MAUI RTE 30
# HONOAPIILANI HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

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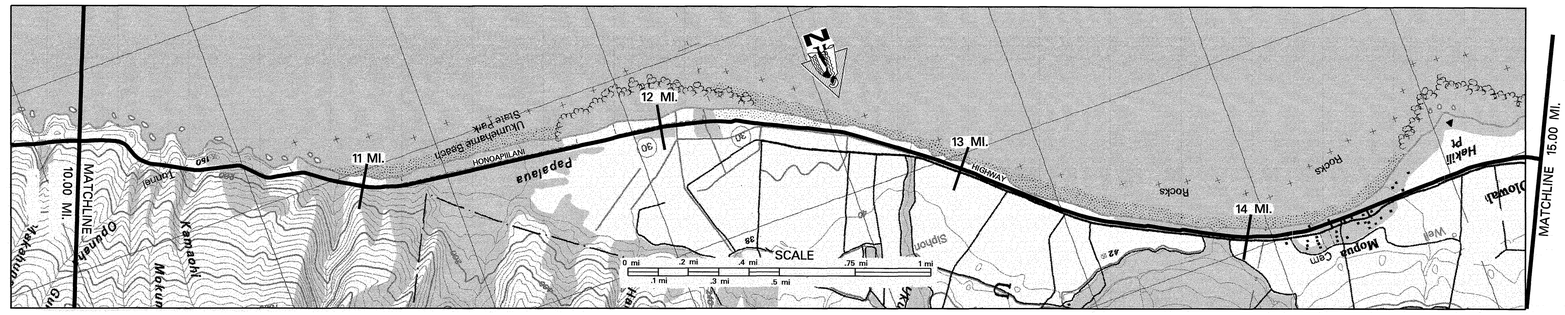
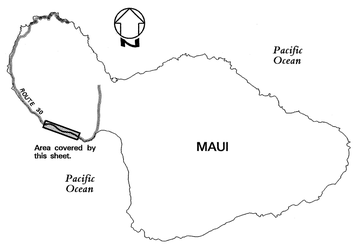



SCALE: (In Miles) 4" = 1 mile

| | | | |
|---|---|---|---|
| | Maintenance Control Sections : Length and Description | | 30 C (15.33 MI.) |
| Structure Carrying Road | Bridges (Over 20'): Length, Type, Capacity and Year Constructed | | Tunnel 1950 (10.34); RC, Flat Slab H20, 1950 (12.82) |
| | Vertical Clearance | | 35' |
| | Horizontal Clearance | | 44' |
| Structure Over Road | Vertical Clearance | | |
| | Horizontal Clearance | | |
| | Right of Way Width (min.–max.) if varies | (120'–490') (10.03) | 80'–345' |
| | Available Right of Way Width (Needs Study) | | Brush & Trees; (R) Clear – 40' Canefield (L) Beach (12.40); Trees & Bushes (13.95); Canefield 1000' Clear – 40' from E.P. (14.61) |
| | Right of Way Fence: Type – Right and Left | | Rock Fall Protection (10.09–10.85); Wire (11.21–11.79) |
| | Control of Access: 1–None, 2–Partial, 3–Full | | None |
| | Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | | State |
| | Project No., Type of Construction, and Year Constructed | | STP-0900(53) 2002 Guardrail & Shldr. Imp. (10.34–10.49); STP-0900(53), Guardrail & Shoulder Improvements, 2002 |
| | Project No., Type of Construction, and Year Constructed | | HWY-M-01-99M (R), 2000 (11.48); 30C-01-90M, (R), 1990 (13.81); HES-STP-030-1(19) (14.85) |




**Road Diagram**
* MP = Milepost Signage

CONTINUED FROM SHEET 2.

(STP-0900(52) Bikeway Imp., 2002); Begin Tunnel (10.34); End Tunnel (10.49); Sta. 118 11.46 mi.; Ukumehame Firing Range; Culvert; Ent. to Parking Lot Ukumehame Park; Ukumehame Br.; Paved Road; Paved Road; Paved Road; Paved Road; Begin Divided Hwy

HONOAPIILANI HIGHWAY

ECB 10.00 mi. MP 10; ECB 11 MP; ECB (R) 12 MP; 13 MP; ECB 14 MP; 15 MP

10.02 mi. 10.01 mi. 10.33 mi. 10.39 mi. 10.83 mi. 11.00 mi. 11.71 mi. 11.84 mi. 11.98 mi. 11.96 mi. 12.08 mi. 12.82 mi. 12.98 mi. 13.97 mi. 14.02 mi. 14.29 mi. 14.39 mi. 14.46 mi. 14.53 mi. 14.80 mi. 15.00 mi.

CONTINUED ON SHEET 4.

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 (10.33); 8'–10' AC (10.52); 18'–20' AC (11.19); 8' AC (11.37); 10' AC (11.71); 4' AC (11.89); 6' AC; 4' AC/ 6' Grs (14.62) |
| | Pavement: Width and Type | | (5" PCC) (10.39–10.38); 24' AC; 12' AC |
| | Shoulder: Width and Type (Combination Shldr./Bike Route from 6.83mi. to 20.23mi.) | | 6'–8' AC (10.33–10.38); 8'–10' AC (11.50); 6' AC; 0 |
| Divided Highway | Median: Width and Type | | 0'–10' Painted (14.80) |
| | Shoulder: Width and Type | | 0 |
| | Pavement: Width and Type | | 12' AC |
| | Shoulder: Width and Type (Combination Shldr./BikeRoute from 6.83mi. to 20.23mi.) | | 6' AC |
| | Number of Traffic Lanes | | 2–12' |
| | Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | | |
| | (Right Side) | | (14.02–14.04) |
| | Frontage Road: No. of Lanes, and Width (Right and Left) | | |
| | Sidewalk: Width and Type (Right and Left) | | |
| | Curb and/or Gutter: Type (Right and Left) | | |
| | Protective Devices: Type, Location and Number | All Metal Rails on Metal Posts except where otherwise indicated. x = Conc. Barrier | Concrete Guardrail – Type 4K |
| | Illumination: Type, Location and Number | | |
| | Curves: Degree of Curvature (Right and Left) | | |
| | Superelevation (Range) | | |
| | Grades: % Grade, Positive or Negative | | +1 (13.16–13.26); –1 (13.61–13.83); +1 (14.36–14.81) |
| | Vertical Curve: Crest or Sag, Curve Limits | | |
| | Area and Development: | | Rural |
| | Terrain: 1–Flat, 2–Rolling, 3–Mountainous | | Mountainous (10.03–10.85); Flat |
| | Speed: 1–Design, 2–Posted | | 45 MPH (Minimum 35 MPH) (2); 55 MPH (Minimum 45 MPH) (2); 45 MPH (Minimum 35 MPH) (2); (35 MPH (2)) |
| | Intersection Control Devices: Type, Location and Cycle Timing | | |
| | Traffic Station | | B74 0030 00611; B74 0030 01089; B74 0030 01382 |
| | HPMS Section | | 10.02; 10.83; 11.98; 13.82 |
| | AADT (Year 2006) | | 25,300; 25,400; 26,000 |
| | DOD Sections | | |
| | Census Tracts | | |
| | Functional Classification | | Principal Arterial |
| | National Highway System (NHS) | | NHS |
| | Previous Projects: Project No., Date and Limits | | (NH-030-1(25), (R) 1996) 10.31–10.43; HWY-M-01-99M (R), 2000; 30C-01-90M, (R) 1990; LT-M-01-78 (R) 1979 10.40–10.46; ROS-030-1(14) 1979 Safety Imprv. 11.25; ROS-030-1(12) 1977 10.48–11.27; 30C-01-78 (Guardrail & Shldr.) 1981; 30C-01-75M (R) 1975; 30C-01-78, GR/Shldr., 1981; 30AC-01-87M (R) 1988; STP-030-1(21) (R) 1994; 30AC-01-87M (R) 1988; 30C-01-78 G.R. & Shldr., 1981; 30C-02-72 (R) 1972; F-30(3) 1951; F-30(3) 1950; (F-30(5) 1953) 10.05 270+00 |

SCALE: (In Miles) 4" = 1 mile

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

| Revised | |
|---|---|
| Aug 04 | D.B. |
| Nov. 06 | D.B. |

# ROAD INVENTORY

# MAUI RTE 30
# HONOAPIILANI HWY

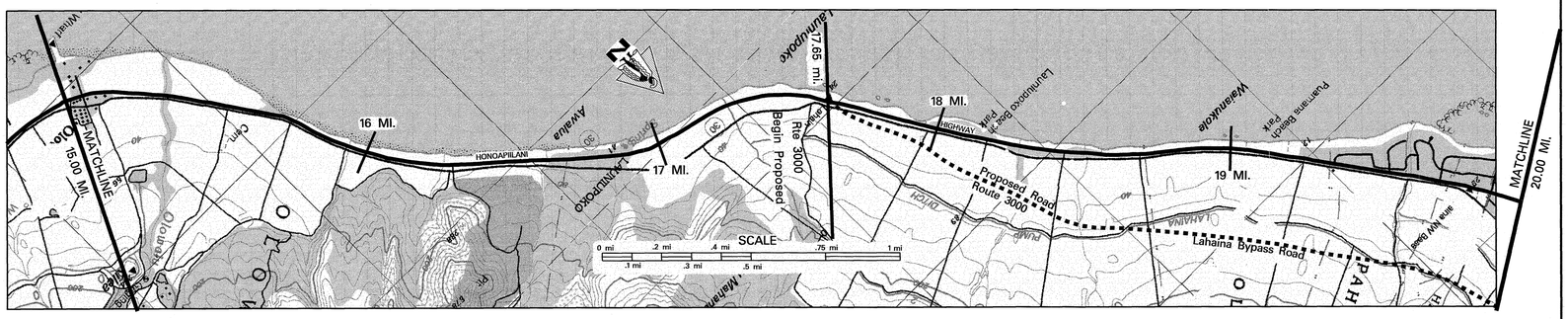
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

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

*




SCALE: (In Miles) 4" = 1 mile

15 16 17 18 19 20

**Maintenance Control Sections : Length and Description**

30 C (15.33 MI.)

**Structure Carrying Road**

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

RC, Flat Slab H15, 1938 (62') | RC Flat Slab, 1938, H15 (26') | RC Flat Slab, 1938, H15 (42') | Conc. Slab, 1971, HS 20 (27')

**Vertical Clearance**

**Horizontal Clearance**

24' | 24' | 24' | 44'

**Structure Over Road**

**Vertical Clearance**

**Horizontal Clearance**

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

80'–345' | 70'–80' | 76'–280'

**Available Right of Way Width (Needs Study)**

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

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

Wood Fence 30' from E.P.

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

None

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

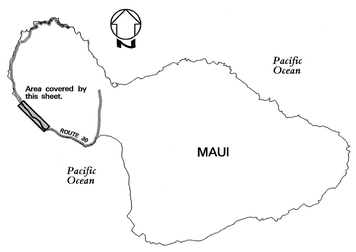
State

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

STP–0900(53), Guardrail & Shoulder Improvements, 2002

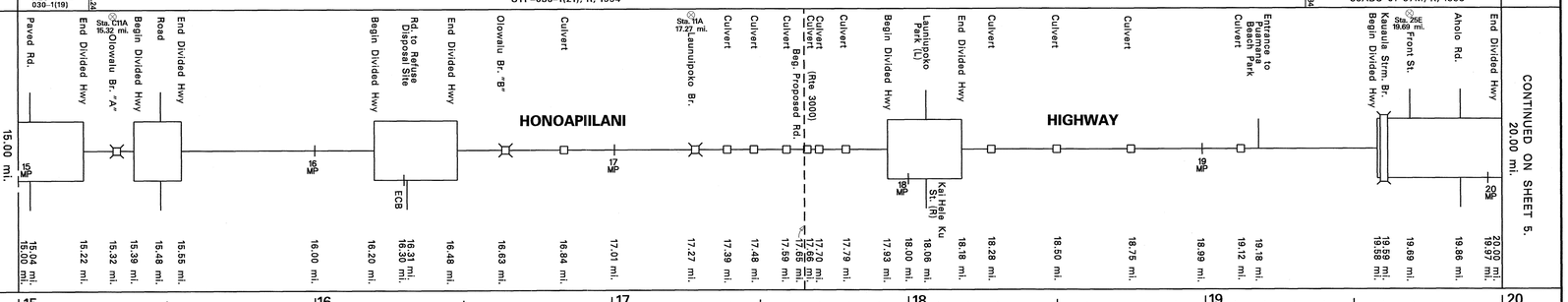
**Project No., Type of Construction, and Year Constructed**

HES–STP–030–1(19) | STP–030–1(21), R, 1994 | 30ABC–01–97M, R, 1998




**Road Diagram**

* MP = Milepost Signage




SCALE: (In Miles) 4" = 1 mile

**Divided Highway**

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Undivided | Shoulder: Width and Type (Combination Shldr/Bikelane from 6.83mi. to 20.23mi.) | 4' AC/ 10' Grass | 6' AC | 8' AC | 6' AC | 10' AC | 8' AC | 6' AC | 8' AC | 4'–6' AC | 8' AC |
| Undivided | Pavement: Width and Type | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC |
| Undivided | Shoulder: Width and Type (Combination Shldr/Bikelane from 6.83mi. to 20.23mi.) | 0 | 6'–8' AC | 0 | 6'–8' AC | 0 | 6'–8' AC | 0 | 4' AC/10' Dirt | 6' AC | 5' AC/10' Dirt | 6'–8' AC | 0 |
| Divided | Median: Width and Type | 0–10' Painted | | 0'–3' Painted AC | | 0–11' Painted | | 10' Paint | | 10' Paint |
| Divided | Median Barriers: | | | | | | | | | |
| Divided | Shoulder: Width and Type | 0 | | 0 | | 0 | | 0 | | 0 |
| Divided | Pavement: Width and Type | 12' AC | | 12' AC | | 12' AC | | 12' AC | | 12' AC |
| Divided | Shoulder: Width and Type | 6'–8' AC | | 10'–12' AC | | 6'–8' AC | | 6'–8' AC | | 6'–8' AC |

**Number of Traffic Lanes**

2–12'

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

10' T.Ls | 11' T.L. | 10' T.Ls

**(Right Side)**

10' T.Ls | 10' T.Ls

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

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

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

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

x | x | x | Wood

**Illumination: Type, Location and Number**

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

+1 | +2 | –1 | +2 | –1

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

**Area and Development:**

Rural | Urban

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

Flat

**Speed: 1–Design, 2–Posted**

35 MPH (2) | 45 MPH (2) | 45 MPH (Minimum35) (2) | 45 MPH (Min. 35 MPH) (2) | 45 MPH (2) | 35 MPH (2) | 35 MPH (2) | 45 MPH (2) | 35 MPH (2)

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

**Traffic Station**

B74 0030 01382 | B74 0030 01765 | B74 0030 01968

**HPMS Section**

19.40 | 19.97

**AADT** (Year 2006)

26,000 | 24,500

**DOD Sections**

**Census Tracts**

**Functional Classification**

Principal Arterial

**National Highway System (NHS)**

NHS

NHS diverted to bypass @ 19.49 mi. (Proposed Lahaina Bypass is all NHS)

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

STP–030–(21) (R) 1994

15.18–(30C–01–78 GR &Shldr, 1981) | 15.33 | 30C–01–82M (R) 1982 | 30C–02–72 Resurface 1972 | 16.20 | 30C–02–90 (GR & Shldr), 1991 | 16.83 | F–30(4) 1951 | 17.91 | 30C–01–85M (R) 1985 | 17.84 | 30BC–02–86 Improvements, 1987 | F–30(1) 1957 | F–30-1(1) 1956 | 19.34 | 19.49 | 19.69 | 30–BC–01–87M (R) 1987 | F–30(1) 1957

F–30(3) 1950 | 15.27 | 0 + 00' 136 + 50

0 + 00' 235 + 90.71

SCALE: (In Miles) 4" = 1 mile

15 16 17 18 19 20

| Date Released |
|---|
| Aug 2003, D.B. |
| **Revised** |
| Aug 04 D.B. |
| Mar. 05 D.B. |
| Nov. 06 D.B. |

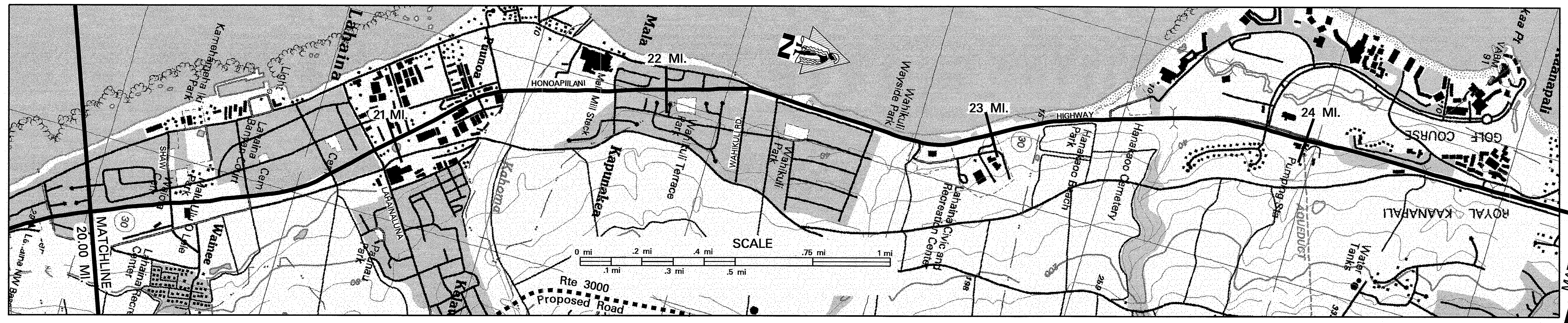
# ROAD INVENTORY

# MAUI RTE 30
# HONOAPIILANI HWY

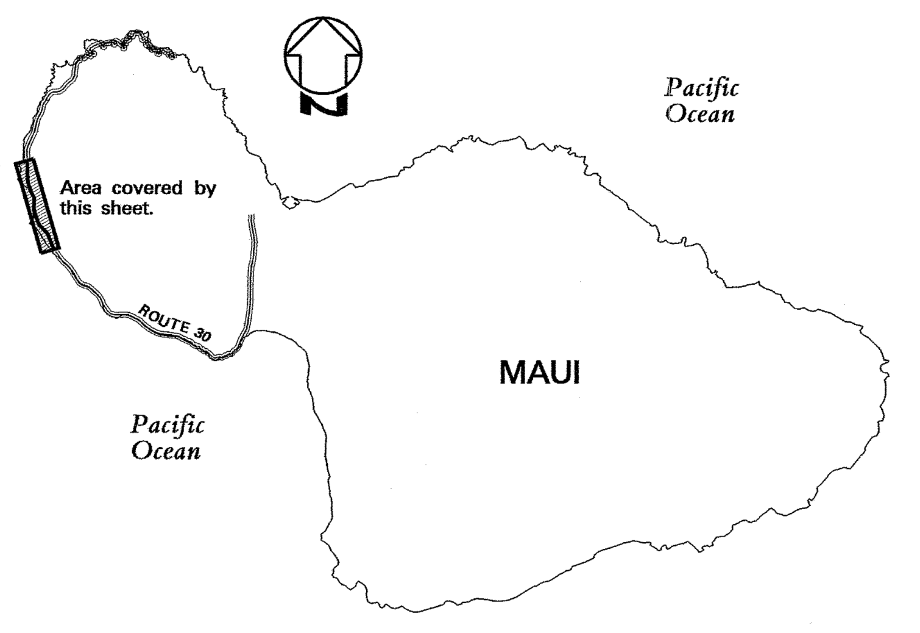
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

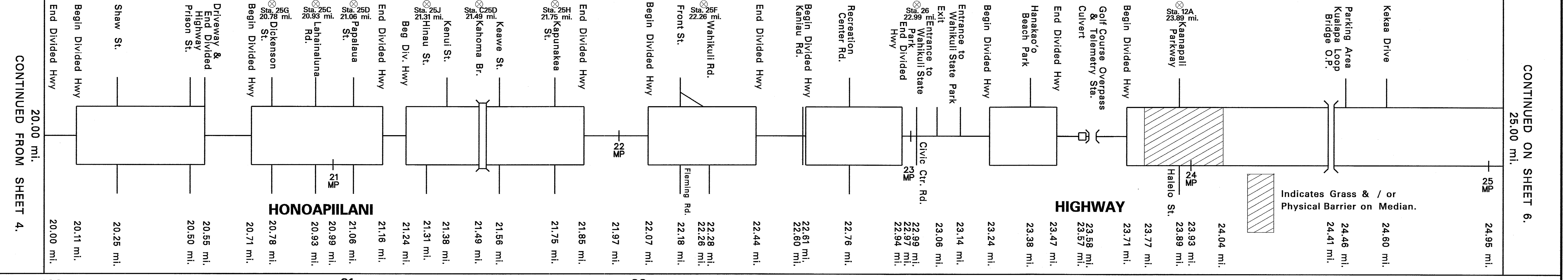
**Total Route Length:** 41.67 miles
**a. Survey Length:** 41.67 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles



| | |
|---|---|
| SCALE: (In Miles) 4" = 1 mile | 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) |
| Structure Carrying Road — Vertical Clearance | |
| Structure Carrying Road — Horizontal Clearance | 44' |
| Structure Over Road — Vertical Clearance | 16.8' · 16.5' |
| Structure Over Road — 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. (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 · Chain Link 20.49 · 20.80 – 20.86 · 20.81 Various 21.04 · 21.20 Chain Link 21.30 · 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) | State |
| Project No., Type of Construction, and Year Constructed | 20.78 ← (STP-030-1(29), Inter. Impr. @ Dickenson St., 1999) |
| Project No., Type of Construction, and Year Constructed | 30ABC-01-97M, R, 1998 · 23.90 STP-030-1(31) (Resurf & Widen) 1999 |



**Road Diagram**
* MP=Milepost Signage



| | |
|---|---|
| SCALE: (In Miles) 4" = 1 mile | 20 · 21 · 22 · 23 · 24 · 25 |
| Undivided — Shoulder: Width and Type (Combination Shldr/Bike Route from 6.83mi. to 20.23mi., 20.80mi. to 31.20mi.) | ← 20.23 8' AC · 20.72 · 20.80 → · 4'–6' AC |
| Undivided — Pavement: Width and Type | 24' AC · 12' AC · 20.55 · 22' AC · 22' AC · 44' AC · 22' AC · 21.38 · 21' AC · 21.78 · 22' AC · 44' AC · 22' AC · 44' AC · 22' AC · 44' AC · 22' AC · 44' AC · 22' AC |
| Undivided — Shoulder: Width and Type (Combination Shldr/Bike Route from 6.83mi. to 20.23mi., 20.80mi. to 31.20mi.) | 8'–10' AC · 0 · 8'–10' AC · (11' AC) · 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 | 10' Paint · 0–10' Paint · 0–12' Paint · 0–11' Paint · 0–11' Paint · 0–11' Paint · 4'–15' Painted AC |
| Divided Highway — Median Barriers: | 20.11 · 20.55 · 20.71 · 21.16 · 21.24 · 21.85 · 22.07 · 22.44 · 22.61 · 22.94 · 23.24 · 23.47 · 23.71 · 23.77 · 23.91 · 24.02 · 24.04 |
| Divided Highway — Shoulder: Width and Type | 0 · 0 · 0 · 0 · 0 · (10'–38' Grass (Raised)) · 0 |
| Divided Highway — Pavement: Width and Type | 12' AC · 11' AC · 20.87 · 22' AC · 22' AC · 22' AC · 22' AC · (10'–38' Grass (Flush)) · 22' AC |
| Divided Highway — Shoulder: Width and Type (Combination Shldr/Bike Route from 6.83mi. to 20.23mi., 20.80mi. to 31.20mi.) | ← 20.23 8'–10' AC · 8'–10' AC 20.80 → · 20.90 6'–8' AC · 6'–8' AC · 6'–8' AC · 6'–8' AC · (10'–38' Grass (Raised)) · 6'–8' AC |
| Number of Traffic Lanes | 2–12' · 20.55 · 1–11' / 1–11' · .72 · 2–11' · 20.87 · 4–11' · 21.38 · 1–10', 1–11' / 2–11' · 21.78 · 4–11' |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | 20.25 – 20.32 · 20.59 · .63 · .72 · 20.78 · 20.84 · .88 · 21.01 · 21.12 · 21.31 · 21.36 · 21.65 · 21.75 · 21.79 11' (L) T.L. · 22.18 11' (L) T.L. 22.34 · 11' T.L. 22.76 22.82 · 1–11' (L) T.L. 23.38 1–11' Accel. Ln. · 23.89 23.98 11' (R) T.L. · 24.42 24.46 24.52 |
| (Right Side) | 20.18 · 20.45 · 20.50 · 20.74 · 20.87 · 20.93 · 20.99 · 21.06 · 21.48 · .52 · 21.58 · 21.71 · 11' (L) T.L. 22.14 · 22.25 · 22.28 11' T.L. · 22.70 11' T.L. · 23.31 · 23.43 · 23.69 2 (L) T.L.s @ 11' ea · 11' T.L.s 24.50 · 24.60 |
| Frontage Road: No. of Lanes, and Width (Right and Left) | 20.78 · 4'–6' AC Bikeway (L) & (R) · 23.89 |
| Sidewalk: Width and Type (Right and Left) | 24.12 · .57 |
| Curb and/or Gutter: Type (Right and Left) | 21.11 · 21.31 · 21.40 · 21.42 · 21.44 · 21.47 · 21.69 · 22.11 · 22.15 · 22.29 · 22.38 · 22.81 · 22.89 · 22.91 · 23.07 · 23.27 · 23.32 · 23.53 · 23.90 · 4' Concrete Gutter · .16 4' Concrete Gutter 24.93 |
| Protective Devices: Type, Location and Number (All Metal Rails on Metal Posts unless otherwise noted. x=Conc. Barrier) | 20.73 · 20.80 · 21.09 x · x · x · x · x (Conc. Retaining Wall) → · x · 23.76 · 24.10 · 24.35 · 24.43 · 24.50 · 24.52 · 24.65 · .74 · .78 |
| Illumination: Type, Location and Number | 2 250W HPS 20.78 · 20.89 · 20.92 · 21.36 · 21.43 · 21.58 · 21.65 · 21.70 · 21.76 · 21.87 · 21.96 · 22.08 · 22.11 · 22.16 · 22.44 · 22.49 · 22.57 · 22.61 · 22.65 · 22.71 · 22.79 · 23.05 · 23.10 · 23.44 · 23.49 · 23.50 · 23.51 · 23.55 · 23.56 · 23.90 · 24.04 · 28 250W HPS @ Intersections from 23.90mi. to 26.11mi. |
| Curves: Degree of Curvature (Right and Left) | |
| Superelevation (Range) | |
| Grades: % Grade, Positive or Negative | 20.10 +1 20.51 · 21.60 +2 21.98 · 22.35 –1 22.78 · 22.97 –1 23.12 · 24.67 +2 |
| Vertical Curve: Crest or Sag, Curve Limits | |
| Area and Development: | Urban · 23.59 · Rural |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | Flat |
| Speed: 1–Design, 2–Posted | 35 MPH (2) · 20.44 · 20.48 · 40 MPH (2) |
| Intersection Control Devices: Type, Location and Cycle Timing | 20.25 3 Phase · 3 Phase 20.78 · 4 Phase 20.93 · 21.06 3 Phase · 21.31 3 Phase · 3 Phase 21.58 · 21.75 3 Phase · 22.18 3 Phase · 22.76 3 Phase · Traffic Lights · 23.89 |
| Traffic Station | B74 0030 01968 · B74 0030 02050 · ← (B74 0030 02098) · B74 0030 02106 · B74 0030 02218 · B74 0030 02359 · B74 0030 02389 |
| HPMS Section | 20.61 · 20.98 · 21.96 · 22.86 · 23.60 · 24.03 |
| AADT (Year 2006) | 24,500 · 20.50 · 26,000 · (35,900) → · 21.06 · 34,400 · 22.18 · 40,500 · 23.59 · 41,500 · 23.89 · 34,200 |
| DOD Sections | |
| Census Tracts | |
| Functional Classification | Principal Arterial |
| National Highway System (NHS) | NHS diverted to bypass @ 19.40mi. (Proposed Lahaina Bypass is all NHS) |
| Previous Projects: Project No., Date and Limits | 20.81 · 30AB-02-87 Widen, 1989 · 24.01 · 24.03 · 30A-01-96M (R) 1997 |
| | 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. |

# ROAD INVENTORY

# MAUI RTE 30
# HONOAPIILANI HWY

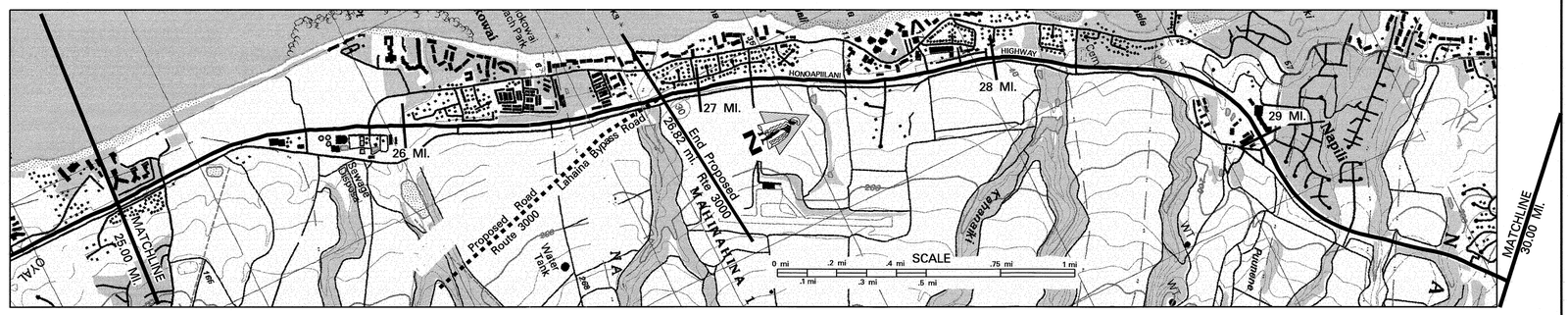
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

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

*




SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

30 A (13.59 MI.)

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Tee Beam HS 20-44 1926,1967,1999 — 50' (25.69)
- Prestressed I-Beam HS-20-44 1981 — 74' (28.16)

Vertical Clearance
- 68'
- 47'

Horizontal Clearance

**Structure Over Road**

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.-max.) if varies
- 80'-190' (25.78)
- 150' (26.12)
- 75' (27.05)
- 45'-190' (28.17)
- 90' (28.74)
- 140'-210' (29.01)
- 230'-320' (29.50)
- 300'-400' (29.72)

Available Right of Way Width (Needs Study)
- Residential/Recreation (25.22)
- Clear - Canefield 15' from E.P. (26.10)
- Residential

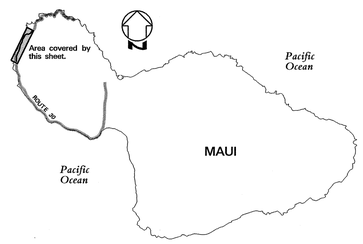
Right of Way Fence: Type - Right and Left
- Chain Link (25.26–26.48)
- Chain Link (27.40–27.50)
- Chain Link (28.29–28.33)
- Chain Link (28.43–28.52)

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

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

Project No., Type of Construction, and Year Constructed
- STP-030-1(31) Resurf & Widen 1999
- STP-030-1(23), R, 1996 (26.12)
- 30A-01-97M, R, 1998 (27.05)

Project No., Type of Construction, and Year Constructed




**Road Diagram**
* MP = Milepost Signage

CONTINUED FROM SHEET 5.

25.00 mi.

Kai Ala Dr. — Puukolii Rd. 25.16 mi.
Halewai Dr. — 25.63 mi.
Lower Honoapiilani Rd. — Paved Rd. 25.89 mi.
Honokowai Br. — Sta. C12D 25.99 mi. — 26 MP — 26 MP — 25.99 mi.
End Divided Hwy — 26.03 mi.
Cane Haul Rd. — 26.09 mi.
Road — 26.18 mi.
ECB (L) — 26.50 mi.
End Proposed Rd. (Rte 3000) (Lahaina Bypass) — 26.61 mi. — 26.82 mi.
Begin Divided Hwy — 26.98 mi.
Akahele St. — ECB — Akahele St. (Rd. to Airport) — 27.02 mi. — 27.18 mi. — 27.16 mi.
End Divided Hwy — 27.31 mi.
Begin Divided Hwy — 27.51 mi.
Ala Hoku Pl. — 27.63 mi.
Hoohui Rd. — 27.78 mi.
End Divided Hwy — Kahana Gateway — 27.89 mi. — 27.94 mi. — 27.99 mi.
New Road — 28.06 mi.
Sta. C12E 28.12 mi. — Nahanna Kai Br. — 28.17 mi.
Cane Haul Rd. (Hui Rd.) — 28.31 mi. — 28.29 mi.
SHRP Station — ECB (R) — 28.37 mi.
Begin Divided Hwy — Road — 28.75 mi. — 28.82 mi.
Sta. C12F 29.03 mi. — Napilihau St. — 29 MP — 29.03 mi. — 28.98 mi.
End Divided Hwy — 29.19 mi.
Begin Divided Hwy — 29.28 mi.
Street & Tractor-Xing — 29.44 mi.
Street & Tractor-Xing — End Divided Hwy — 29.54 mi. — 29.59 mi.
Begin Divided Hwy & Rd. — 29 MP — 29.86 mi. — 29.94 mi.

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.)
- 4'-6' AC
- 8'-10' AC (25.87)
- 10'-12' AC (26.11) — (8' AC) (29.07)

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

Shoulder: Width and Type (Combination Shldr./Bike Route to 31.20 mi.)
- 0
- 8'-10' AC (26.40) — 10' AC
- 0
- 10' AC
- 0
- 10' AC
- 0
- 10' AC
- 0
- 10' AC
- 0

Median: Width and Type
- 0-15' Painted AC
- 10' Painted AC
- 12' Painted AC
- 10' Painted AC
- 12' Painted AC
- (12' Painted AC)

Median Barriers:
- 26.09
- 27.02
- 27.31
- 27.51
- 27.84
- 28.62
- 29.19
- 29.28
- 29.54
- 29.86

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

Pavement: Width and Type
- 22' AC
- 26.01 — 12' AC
- 12' AC
- 12' AC
- 12' AC
- 12' AC
- 29.44 — 24' AC
- 24' AC

Shoulder: Width and Type (Combination Shldr./Bike Route to 31.20 mi.)
- 6'-8' AC
- 10' AC
- 10' AC
- 10' AC
- 10' AC
- 10' AC

Number of Traffic Lanes
- 4-11' (25.69)
- 2-11' (25.87) — 1-12' (25.99)
- 2-12' (26.78)
- 1-12' (29.44)

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
- 11' T.L. (25.22–26.48)
- 11' T.L. (26.01–26.48)
- 11' T.L. (25.07–26.48)
- All 12' T.Ls (27.11–27.78)
- 1-12', 1-12' Truck Ln. (29.44–29.81)

(Right Side)
- 12' Climbing Lanes (29.44–29.97)

Frontage Road: No. of Lanes, and Width (Right and Left)
- Frontage Road (R) 2-12' with Bike Route (not Lane) (L) & (R) (26.48–26.78)

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left)
- 4' Conc. G. (25.07–25.57)
- 4' Conc. Gutter (25.57–26.48)
- 4'-6' Conc. Gutter (26.48–27.05)
- 4' Conc. Gutter (27.05–28.52)
- (4' Conc. Gutter) (28.52–28.89)
- 4' C. G. (28.89–29.05)
- 4' Conc. Gutter (29.05–29.72)
- 4' C. G. (29.72–29.89)
- 4' Conc. Gutter (29.50–29.72)
- 4' C. G.

Protective Devices: Type, Location and Number — All Metal Rails on Metal Posts unless otherwise noted. x=Conc. Barrier
- .91[x].93 (25.82–26.12)
- .08[x].10 .18 (27.54–28.16)
- .33 (29.00–29.42)
- 29.46 (29.46–29.65)

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural

Terrain: 1-Flat, 2-Rolling, 3-Mountainous
- Flat
- 27.93 — Rolling

Speed: 1-Design, 2-Posted
- 40 MPH (2)
- 26.07 — 26.40 — 45 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing
- 25.16 — 3 Phase
- 25.63 — 3 Phase
- 26.09 — 3 Phase
- 4 Phase — 27.18
- 26.07 — 3 Phase

Traffic Station
- B74 0030 02389
- B74 0030 02516 (25.73)
- B74 0030 02588 (26.15)
- B74 0030 02762 (27.66)
- B74 0030 02777 (28.18)
- B74 0030 02901 (29.23)
- B74 0030 02942 (29.93)

HPMS Section

AADT (Year 2006)
- 34,200
- 25.16 — 31,400
- 25.68 — 20,000
- 27.62 — 19,400
- 27.77 — 14,800
- 29.07 — 8,400
- 29.42 — 8,400

DOD Sections

Census Tracts

Functional Classification
- Principal Arterial
- 28.64 — Minor Arterial
- 29.01 — Major Collector

National Highway System (NHS)
- NHS diverted to bypass (Proposed Lahaina Bypass is all NHS).

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

SCALE: (In Miles) 4" = 1 mile

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

| Revised | |
|---|---|
| Aug 04 | D.B. |
| Mar. 05 | D.B. |
| Nov. 06 | D.B. |

# ROAD INVENTORY

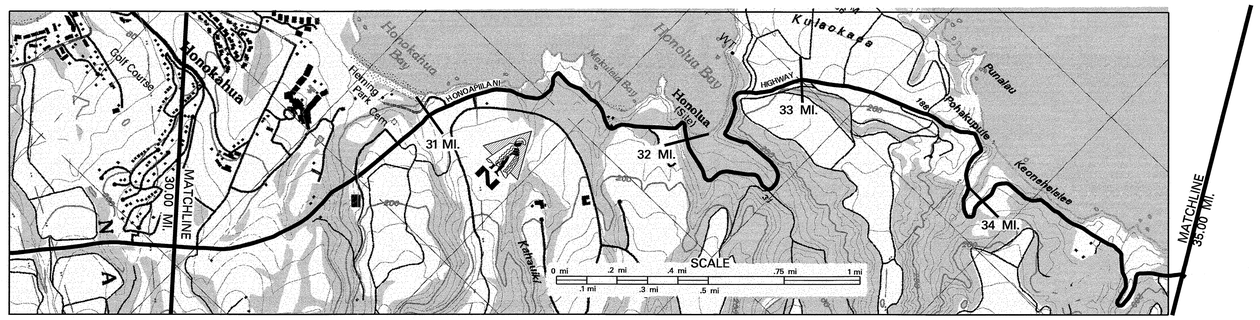
# MAUI RTE 30
# HONOAPIILANI HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

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

*




SCALE: (In Miles) 4" = 1 mile

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

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: Prestressed I-Beam HS-20-44 1986 (30.55, 604'); S.S. Conc. Slab H-10 1924 (32.40, 24')

Vertical Clearance: 52'; 17'

Horizontal Clearance:

**Structure Over Road**

Vertical Clearance:

Horizontal Clearance:

Right of Way Width (min.-max.) if varies: (300'-400') (30.05); 40'

Available Right of Way Width (Needs Study): Residential (31.19); Chain Link (31.69, 31.76, 31.79); Heavy Brush, Trees & Rocks (33.47); 1000' Clear Pineapple Fields 15' form E.P. (33.50); Heavy Brush & Rock (34.47, 34.52, 34.57); Wire on Wood

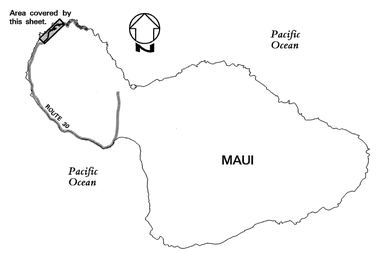
Right of Way Fence: Type – Right and Left

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

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

Project No., Type of Construction, and Year Constructed

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




**Road Diagram**
* MP = Milepost Signage

CONTINUED FROM SHEET 6.

30.00 mi. Kapalua Village Golf Course; 30.07 mi. End Divided Hwy; 30.18 mi.; 30.57 mi. Honokahua Strm. Br.; 30.69 mi.; 30.84 mi. Beg Divided Hwy & Culvert; 30.93 mi. Access Rd "A"; 30.95 mi. Sta. C12G 31.05 mi. Access to Makai Honoapiilani Hwy; 31.05 mi.; 31.14 mi. End Divided Hwy; 31.21 mi. Road to Golf Course; 31.34 mi. Culvert; 31.51 mi.; 31.66 mi. Lookout (L); 31.84 mi. Honolua Pl.; Sta. C12C 31.93 mi.; 32.41 mi. Honolua Br.; 32.52 mi.; 33.17 mi. Pineapple Field Rd.; 33.39 mi. Shooting Range; 33.52 mi.; 33.94 mi. Culvert; 34.52 mi.; 34.76 mi. Culvert

HONOAPIILANI (31 MP); 32 MP; 33 MP; 34 MP; HIGHWAY; 35 MP

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): (24' AC) 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; 36' AC; 36' PCC; 36' AC; 24' AC; 12' AC; 20' AC

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

**Divided Highway**

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

Median Barriers:

Shoulder: Width and Type: 0; 0

Pavement: Width and Type: (24' AC) 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: (1-12') 1-12', 1-12' Truck Lane; (1-12', 1-12' T.L.) 1-12'; 2-12'; 2-10'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 12' Climbing Lanes; 10' T.L.; 10' T.L.s

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

Frontage Road: No. of Lanes, and Width (Right and Left): 12' T.L.

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number (All Guardrails Metal Rails on Metal Posts except where otherwise noted. x = Conc. Barrier): 30.33; 30.46 (47 x .69); x

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: (B74 0030 02942) B74 0030 03005; B74 0030 03082

HPMS Section: 30.69; 31.66

AADT (Year 2006): (8,400) 1,700; 1,800

DOD Sections

Census Tracts

Functional Classification: Major Collector

National Highway System (NHS)

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

SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| Aug 2003, D.B. | |
| **Revised** | |
| Aug 04 | D.B. |
| Mar. 05 | D.B. |
| Nov. 06 | D.B. |

# ROAD INVENTORY
# MAUI RTE 30
# HONOAPIILANI HWY – KAHEKILI HWY

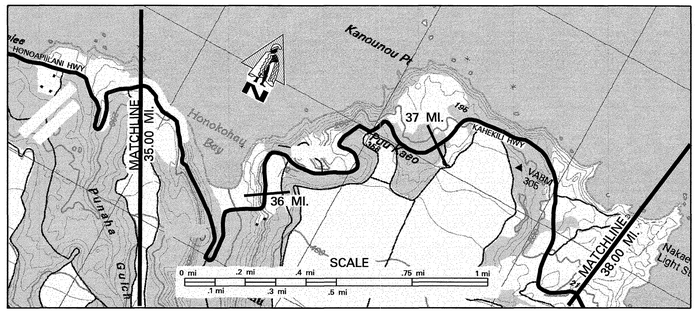
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

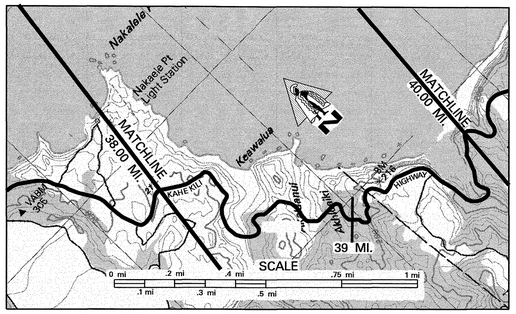
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

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

*




SCALE: (In Miles) 4" = 1 mile

35 | 36 | 37 | 38 | 39 | 40

**Maintenance Control Sections : Length and Description**
- 30 A (13.59 MI.) — Begin 30 A at the West End of Honokohau Bridge (35.87)

**Structure Carrying Road**
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: Concrete Girder 1924 (1966) HS–20 (35.87); Timber Stringer 1924 H–10 (36.46)
- Vertical Clearance: 76' (35.87); 22' (36.46)
- Horizontal Clearance: 26' (35.87); 13' (36.46)

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

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

**Available Right of Way Width (Needs Study)**

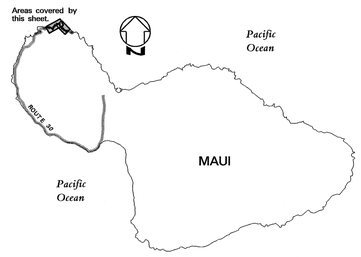
**Right of Way Fence: Type – Right and Left:** Chain on Wood (35.57–35.87); Wire on Wood (37.47–38.15)

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

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

**Project No., Type of Construction, and Year Constructed:** 30A–01–95M (R) 1996

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




**Road Diagram**
* MP = Milepost Signage

CONTINUED FROM SHEET 7.

HONOAPIILANI HWY — KAHEKILI HIGHWAY

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

Wailuku – Lahaina District Boundry

MP: 36 (35.51 mi.), 37 (36.52 mi.), 38 (37.56 mi.), 39 (38.47 mi.)

35.51 mi. | 35.68 mi. | 35.88 mi. | 36.22 mi. | 36.52 mi. | 37.28 mi. | 37.52 mi. | 37.56 mi. | 37.92 mi. | 38.36 mi. | 38.47 mi. | 39.04 mi. | 39.18 mi. | 39.25 mi. | 39.64 mi.

CONTINUED ON SHEET 9.

SCALE: (In Miles) 4" = 1 mile

**Divided Highway – Undivided**
- Shoulder: Width and Type: 2' AC; 8'–10' Dirt (37.43); 2' AC (38.10); 2' AC/6' Grav. (39.03); 2' AC (39.25)
- Pavement: Width and Type: 20' AC; 18'–20' AC (35.87); 20' AC (37.25)
- Shoulder: Width and Type: 2' AC; 2' AC/6' Dirt (37.57); 2' AC (38.03)

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

**Number of Traffic Lanes:** 2–10'; 2–(9'–10') (35.87); 2–10' (37.25)

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

**(Right Side)**

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

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

**Curb and/or Gutter: Type (Right and Left):** AC Curb (35.21–35.57); 3'–5' AC Gutter (35.78–36.03); 3'–5' AC Gutters (38.19–38.36)

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

**Illumination: Type, Location and Number**

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative:** –7 (36.78–36.00); –10 (38.15–38.36); –9 (39.47–39.65); +8 (39.65–39.86); –8 (39.86–39.98)

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

**Area and Development:** Rural

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

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

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

**Traffic Station:** B74 0030 03082

**HPMS Section**

**AADT** (Year 2006): 1,800

**DOD Sections**

**Census Tracts**

**Functional Classification:** Major Collector

**National Highway System (NHS)**

**Previous Projects: Project No., Date and Limits**
- 340D–01–93M (R) 1994 (35.87–39.73)
- 330C–03–70 1970 (35.87–39.31)
- A 300–01–66 (R) 1968 (35.57–35.87)
- 340A–02–72, 1976 (39.31–39.73)
- County

SCALE: (In Miles) 4" = 1 mile

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

| Revised | |
|---|---|
| Aug 04 | D.B. |
| Mar. 05 | D.B. |
| Nov. 06 | D.B. |

# ROAD INVENTORY

# MAUI RTE 30
# KAHEKILI HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

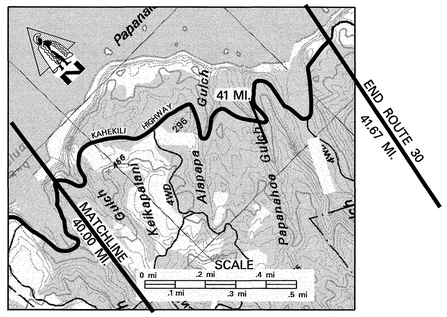
**Total Route Length:** 41.67 miles

a. Survey Length: 41.67 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

*




SCALE: (In Miles) 4" = 1 mile

40 | 41 | 42 | 43 | 44 | 45

**Maintenance Control Sections : Length and Description**

**Structure Carrying Road**

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

**Vertical Clearance** — 25' (41.31)

**Horizontal Clearance** — 18'

**Structure Over Road**

**Vertical Clearance**

**Horizontal Clearance**

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

**Available Right of Way Width (Needs Study)**

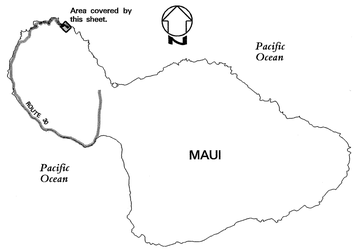
**Right of Way Fence: Type – Right and Left**

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

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

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

**Project No., Type of Construction, and Year Constructed** — 30A-01-95M (Resurface) 1996




**Road Diagram**
* MP = Milepost Signage

40.00 mi. CONTINUED FROM SHEET 8.

Culvert 40.19 mi.

41 MP 40.36 mi.

KAHEKILI HIGHWAY

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

42 MP

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

SCALE: (In Miles) 4" = 1 mile

40 | 41 | 42 | 43 | 44 | 45

**Divided Highway — Undivided**

**Shoulder: Width and Type** — 2' AC

**Pavement: Width and Type** — 20' AC

**Shoulder: Width and Type** — 2' AC

**Divided Highway**

**Median: Width and Type**

**Median Barriers:**

**Shoulder: Width and Type**

**Pavement: Width and Type**

**Shoulder: Width and Type**

**Number of Traffic Lanes** — 2–10'

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

**(Right Side)**

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

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

**Curb and/or Gutter: Type (Right and Left)** — All 3'-5' AC Gutters

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

40.04 40.31 40.55 40.63 40.86 40.90 40.99 41.10 41.19 41.20 41.13 41.34 41.43

**Illumination: Type, Location and Number**

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative** — 40.63 –8 40.82 40.87 –8 40.93 41.11 –12 41.29

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

**Area and Development:** — Rural

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

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

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

**Traffic Station** — B47 0030 03082

**HPMS Section**

**AADT** (Year 2006) — 1,800 — 41.67

**DOD Sections**

**Census Tracts**

**Functional Classification** — Major Collector

**National Highway System (NHS)**

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

340A-02-72, 1976
County

SCALE: (In Miles) 4" = 1 mile

40 | 41 | 42 | 43 | 44 | 45

| Date Released | |
|---|---|
| Aug 2003, | D.B. |
| **Revised** | |
| Aug 04 | D.B. |
| Mar. 05 | D.B. |
| Nov. 06 | D.B. |

# ROAD INVENTORY

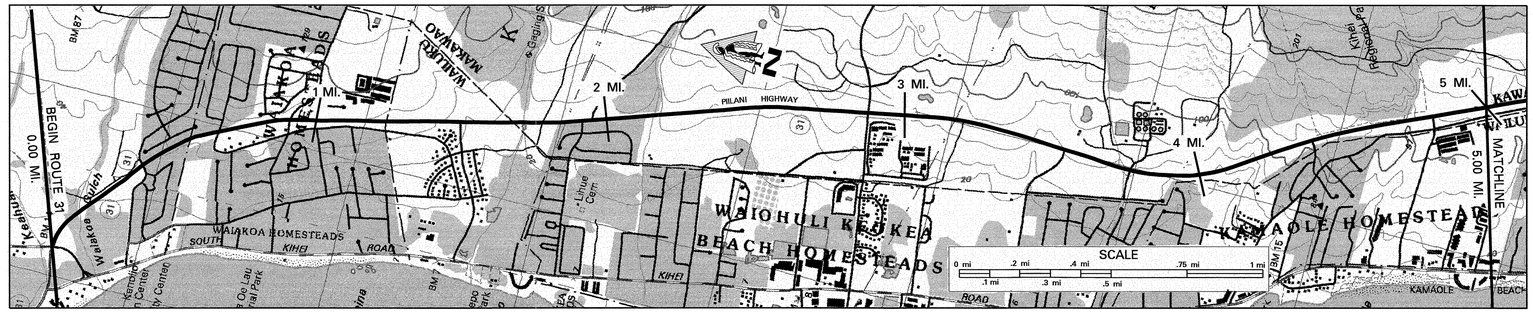
# MAUI RTE 31
# PIILANI HIGHWAY

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:** 12.03 miles
- a. Survey Length: 7.17 miles
- b. Proposed Length: 4.86 miles
- c. Other Length: * 0.00 miles

*




SCALE: (In Miles) 4" = 1 mile

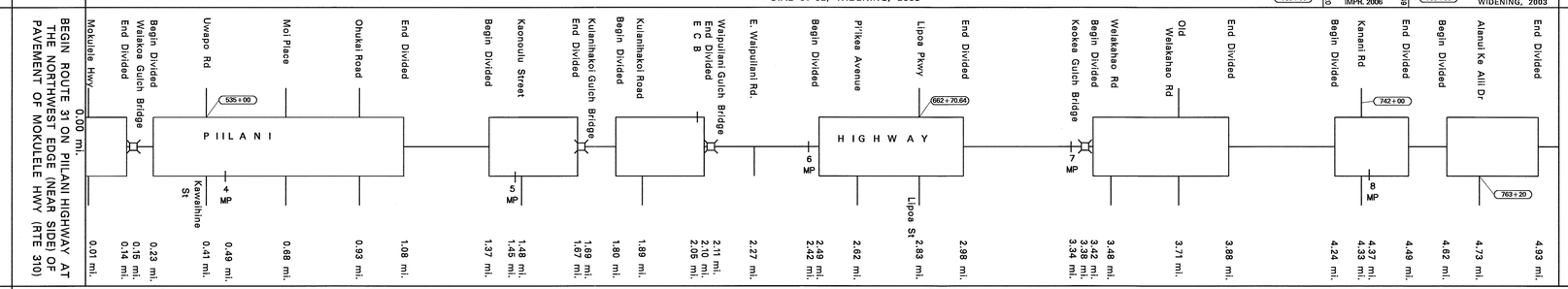
Maintenance Control Sections : Length and Description

| | | |
|---|---|---|
| Structure Carrying Road | Bridges (Over 20'): Length, Type, Capacity and Year Constructed | 0.14 159' PRESTRESSED I-BEAM 1981 1.68 150' / 2.11 139' PRESTRESSED I-BEAM 1981 3.38 49' |
| | Vertical Clearance | |
| | Horizontal Clearance | 48' 48' 48' 48' |
| Structure Over Road | Vertical Clearance | |
| | Horizontal Clearance | |
| Right of Way Width (min.–max.) if varies | | 105' – 225' |
| Available Right of Way Width (Needs Study) | | |
| Right of Way Fence: Type – Right and Left | | 0.14 0.83 CHAINLINK 0.88 1.12 |
| Control of Access: 1–None, 2–Partial, 3–Full | | NONE |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | | 513+20 570+00 592+00 768+00 STATE |
| Project No., Type of Construction, and Year Constructed | | 0.00 STP-0900(58), GUARDRAIL & SHOULDER IMPR., 2004 1.07 1.48 STP-0900(58), GUARDRAIL & SHOULDER IMPR., 2004 4.82 |
| Project No., Type of Construction, and Year Constructed | | 31AB-01-02, WIDENING, 2003 735+00 4.20 HWY-M-05-04 IMPR. 2006 4.40 750+50 31AB-01-02, WIDENING, 2003 |

Indicates Grass & / or Physical Barrier on Median.

## Road Diagram

* MP=Milepost Signage




SCALE: (In Miles) 4" = 1 mile

| | | |
|---|---|---|
| Divided Highway – Undivided | Shoulder: Width and Type (COMBINATION SHOULDER AND BIKE ROUTE FROM 0.00 – 5.93 MILE) | 6' – 8' A C |
| | Pavement: Width and Type | 11' AC; 44'AC; 22' AC; 44' AC; 22' AC; 44' AC; 22' AC; 44' AC; 22' AC; 44' AC; 22' AC; 44' AC; 22' AC; 44' AC; 22' AC; 44' AC |
| | Shoulder: Width and Type (COMBINATION SHOULDER AND BIKE ROUTE FROM 0.00 – 5.93 MILE) | 0'; 6'-8' AC; 0'; 6' – 8' AC; 0'; 6'-8' AC; 0'; 6' – 8' AC; 0'; 6' – 8' AC; 0'; 6' – 8' AC; 0'; 6'-8' AC; 0'; 6'-8' AC |
| Divided Highway | Median: Width and Type | 8' GRS w/ Raise Curb; 6' 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 |
| | Shoulder: Width and Type | 0'; 0'; 0'; 0'; 0'; 0'; 0'; 0' |
| | Pavement: Width and Type | 22' AC; 22' AC; 22' AC; 22' AC; 22' AC; 22' AC; 22' AC; 22' AC |
| | Shoulder: Width and Type (COMBINATION SHOULDER AND BIKE ROUTE FROM 0.00 – 5.93 MILE) | 6'-8' AC; 6' – 8' AC; 6' – 8' AC; 6' – 8' AC; 6' – 8' AC; 6' – 8' AC; 6' – 8' AC; 6' – 8' AC |
| Number of Traffic Lanes | | (1-11) (2-11) (1-12) (1-12) 4–11' |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | | 11' TLs; 11' TLs; 11' TLs; 12 TLs |
| (Right Side) | | 11' TLs; 11' TLs; 11' TL; 11' TL |
| Frontage Road: No. of Lanes, and Width (Right and Left) | | |
| Sidewalk: Width and Type (Right and Left) | | |
| Curb and/or Gutter: Type (Right and Left) | | CONCRETE GUTTER; CONCRETE GUTTER; CONCRETE GUTTER; CONCRETE GUTTER |
| Protective Devices: Type, Location and Number | ALL GUARDRAILS METAL ON METAL | |
| 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: | | URBAN |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | | FLAT |
| Speed: 1–Design, 2–Posted | | 30 MPH (2); 40 MPH (2) |
| Intersection Control Devices: Type, Location and Cycle Timing | | 3 Phase |
| Traffic Station | | B74 0031 00000; B47 0031 00283 |
| HPMS Section | | 1.63; 4.33 |
| AADT | (Year 2006) | 28,300; 22,900 |
| DOD Sections | | |
| Census Tracts | | |
| Functional Classification | | PRINCIPAL ARTERIAL |
| National Highway System (NHS) | | N H S |
| Previous Projects: Project No., Date and Limits | | 31AB-01-02, WIDENING, 2003 |
| | | STP-031-1(8) RESURFACING 1996 |
| | | 31B-01-94, 1994 |
| | | TQF-RF-031-1(6) 1981; TQF-RF-031-1(6) 1981 |

SCALE: (In Miles) 4" = 1 mile

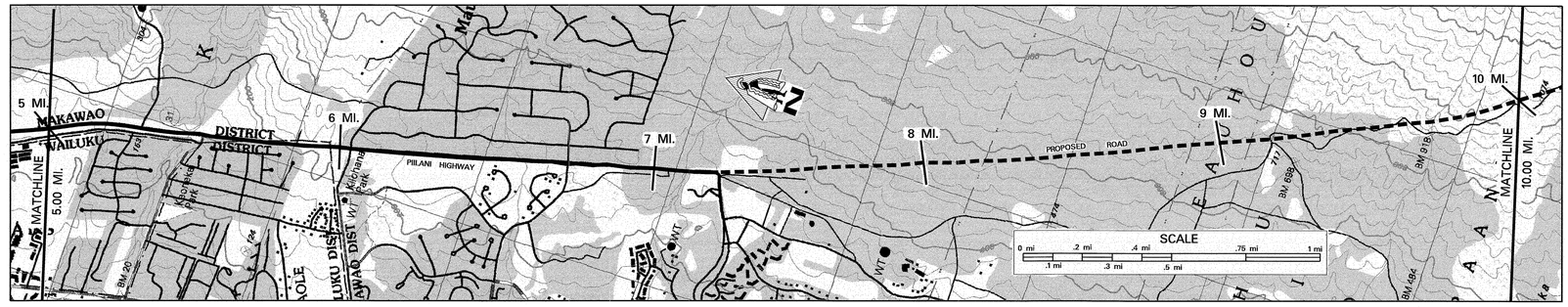
| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Nov. 06 | D.B. |
| Mar. 08 | D.B. |

# ROAD INVENTORY
# MAUI RTE 31
# PIILANI HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

**Total Route Length:** 12.03 miles
**a. Survey Length:** 7.17 miles
**b. Proposed Length:** 4.86 miles
**c. Other Length: *** 0.00 miles
*




SCALE: (In Miles) 4" = 1 mile

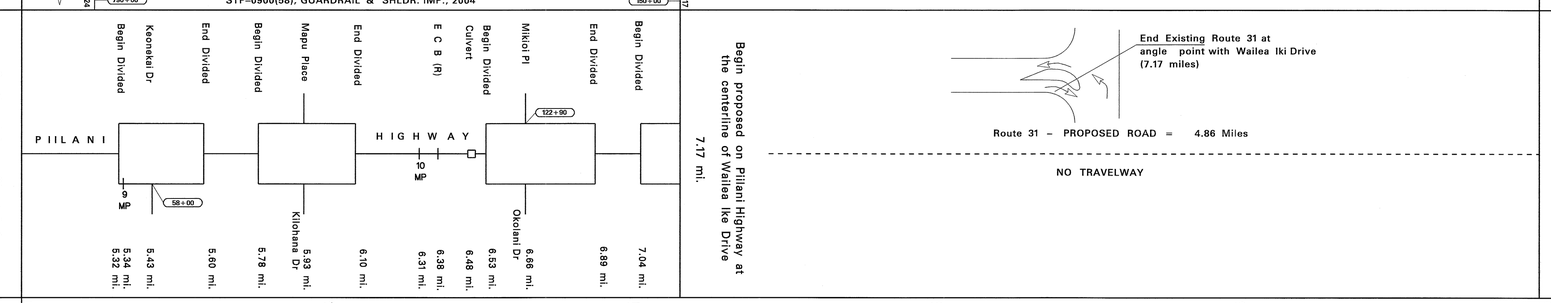
Maintenance Control Sections : Length and Description

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

Right of Way Width (min.-max.) if varies: 105' – 225' (5.93); 105' – 305'
Available Right of Way Width (Needs Study)
Right of Way Fence: Type – Right and Left: CHAINLINK; CHAINLINK (5.43, 5.67, 5.94, 6.47, 6.49, 6.51, 6.66, 6.84, 6.86, 6.88, 7.14)
Control of Access: 1–None, 2–Partial, 3–Full: NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE (84+90, 150+00)
Project No., Type of Construction, and Year Constructed: (31AB-01-02, WIDENING, 2003); HWY-M-01-06M, RESURF., 2007 (5.93, 7.17)
Project No., Type of Construction, and Year Constructed: STP-0900(58), GUARDRAIL & SHLDR. IMP., 2004 (5.34, 790+00, 150+00, 7.17)

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; 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:
Median: Width and Type: 0' – 12' Painted AC (5.32, 5.60); 0' – 12' Painted AC (5.78, 5.93); 0' 14' Painted AC (6.10, 6.53); 0' – 14' Painted AC (6.89, 7.04); 0' – 25' Painted AC (7.04, 7.09)
Median Barriers: Raised Curb, Flush AC (7.09, 7.11)
Shoulder: Width and Type: 0'; 0'; 0'; 0'
Pavement: Width and Type: 22' AC; 22' AC; 12' AC; 12' AC; 12' AC
Shoulder: Width and Type: 6'–8' AC; 6'–8' AC; 10' AC; 10' AC; 10' AC; 0'

Number of Traffic Lanes: 4 – 11' (5.93); 2 – 12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
(Right Side)
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left)
Curb and/or Gutter: Type (Right and Left)
Protective Devices: Type, Location and Number
Illumination: Type, Location and Number
Curves: Degree of Curvature (Right and Left)
Superelevation (Range)
Grades: % Grade, Positive or Negative
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: URBAN; RURAL
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: FLAT (5.87, 7.09)
Speed: 1–Design, 2–Posted: 40 MPH (2); 45 MPH (2); 45 MPH (1); 35 MPH (2); 40 MPH (2); 20 MPH (2) (5.69, 6.74, 7.09)
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Station: B74 0031 00283; B74 0031 00593; (B74 0031 00708); B74 0031 00717; B74 0031 00777
HPMS Section: 5.34; 6.37; 7.14; (PROPOSED); (PROPOSED)
AADT (Year 2006): 22,900; 5.93; 16,000; 7.09; (13,800); 7.17; 7.77
DOD Sections
Census Tracts
Functional Classification: PRINCIPLE ARTERIAL; 7.73; MAJOR COLLECTOR
National Highway System (NHS): N H S
Previous Projects: Project No., Date and Limits
31AB-01-02, WIDENING, 2003
STP-031-1(8), RESURFACING 1996 (5.94)
TQF-RF-031-1(6) 1981 (5.93); F-031-1(3) 1990

SCALE: (In Miles) 4" = 1 mile

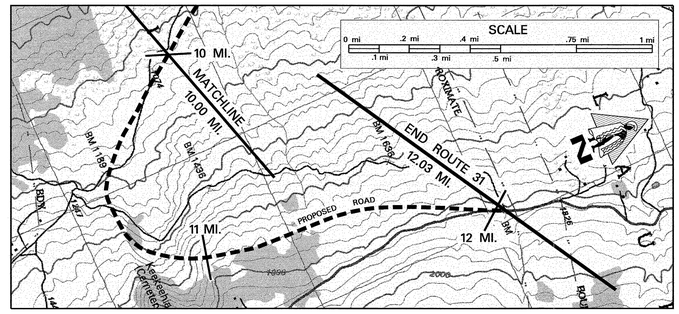
| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Nov. 06 | D.B. |
| Feb. 08 | D.B. |

# 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:** 12.03 miles
**a. Survey Length:** 7.17 miles
**b. Proposed Length:** 4.86 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 | |
| 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
12.03 mi.

END ROUTE DESCRIPTION
0.00 mi.

SCALE: (In Miles) 4" = 1 mile

10 | 11 | 12 | 13 | 14 | 15

| | |
|---|---|
| Divided Highway – Undivided | Shoulder: Width and Type |
| | Pavement: Width and Type |
| | Shoulder: Width and Type |
| Divided Highway | Median: Width and Type |
| | Median Barriers: |
| | Shoulder: Width and Type |
| | Pavement: Width and Type |
| | Shoulder: Width and Type |
| Number of Traffic Lanes | |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | |
| (Right Side) | |
| Frontage Road: No. of Lanes, and Width (Right and Left) | |
| Sidewalk: Width and Type (Right and Left) | |
| Curb and/or Gutter: Type (Right and Left) | |
| Protective Devices: Type, Location and Number | |
| Illumination: Type, Location and Number | |
| Curves: Degree of Curvature (Right and Left) | |
| Superelevation (Range) | |
| Grades: % Grade, Positive or Negative | |
| Vertical Curve: Crest or Sag, Curve Limits | |
| Area and Development: | RURAL |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | |
| Speed: 1–Design, 2–Posted | |
| Intersection Control Devices: Type, Location and Cycle Timing | |
| Traffic Station | B74 0031 00777 |
| HPMS Section | (PROPOSED) |
| AADT | |
| DOD Sections | |
| Census Tracts | |
| Functional Classification | MAJOR COLLECTOR |
| National Highway System (NHS) | |
| Previous Projects: Project No., Date and Limits | |

SCALE: (In Miles) 4" = 1 mile

10 | 11 | 12 | 13 | 14 | 15

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Nov. 06 | D.B. |

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

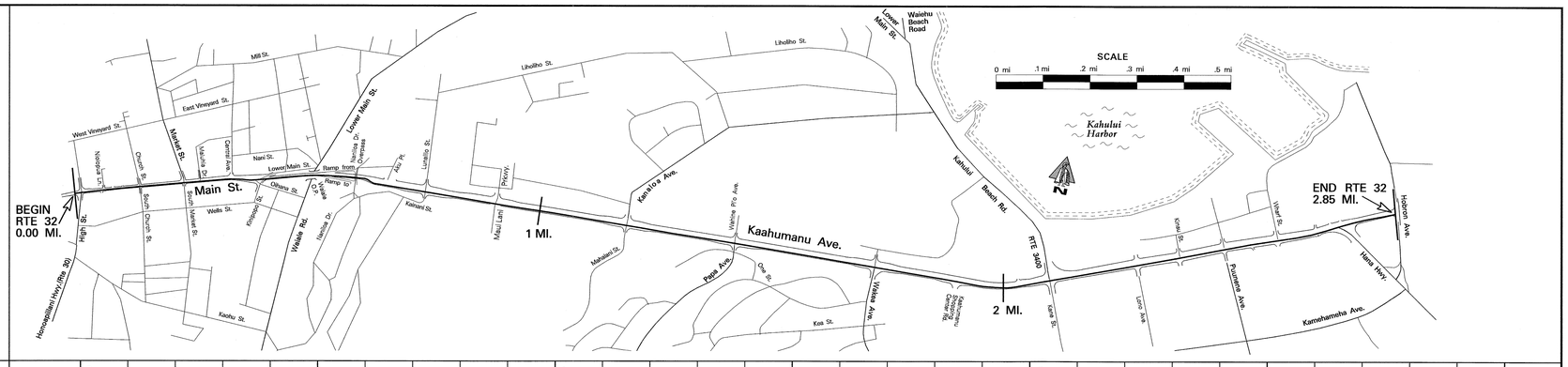
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

| | | |
|---|---|---|
| Total Designated Route Length: | 2.85 | MILES (a+b) |
| a. Existing Length: | 2.85 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 2.85 | MILES (a+b, less c) |
| a. Existing Length: | 2.85 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




Scale: 1"=0.15 mile

Maintenance Control Sections : Length and Description

0.00 Begin 32 A at the ℄ of High St. — 32 A (2.84 Mi.) — End 32 A on Kaahumanu Ave. at the ℄ Intersection with Hobron St.

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: Steel Multistringer 1936 H15, 79' (0.51); Conc. Frame 1936 H15 (0.60)

Vertical Clearance: 34'

Horizontal Clearance

**Structure Over Road**

Vertical Clearance: 14' 10"

Horizontal Clearance: 45'

Right of Way Width (min.–max.) if varies: 50' (0.00); 115' – 265' (2.03); 125' – 160' (2.22); 100' – 145' (2.69); 80' – 100'

Available Right of Way Width (Needs Study): Urban / Commercial (0.78); Bushes with Slight Cut Slope (1.78); Urban / Commercial

Right of Way Fence: Type – Right and Left: (Chain Link 50' from Edge of Pavement) (0.88)

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

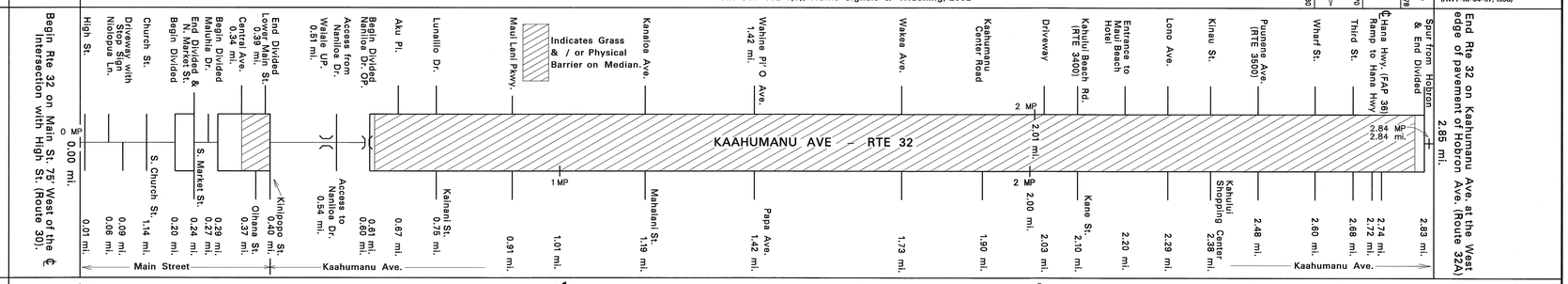
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State

Project No., Type of Construction, and Year Constructed: STP–NH–0900(62), RESUFR., 2004 (0.34); NH–032–1(8), Resurface, 2002 (36A–01–96M, (R), 1999) (HWY–M–04–97, 1998)

Project No., Type of Construction, and Year Constructed: NH–STP–032–1(6), Traffic Signals & Widening, 2002 (2.40); (2.70); (2.78) (HWY–M–04–97, 1998)

## Road Diagram

* MP = Milepost Signage




**Divided Highway**

Scale: 1"=0.15 mile

**Undivided**

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

**Median:** Width and Type: 4'–24' Grass (raised); 4'–24' Trees & Shrubs (Raised); 4'–24' Grs. (Raised)

**Divided**

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

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

(Right Side) PL– 8' Parking Lane

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number: Mercury Vapor

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative: –4 (0.32); –2 (1.85)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Urban

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

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

Intersection Control Devices: Type, Location and Cycle Timing Ph. = Phase: 3 Ph.; 3 Ph. (B74 0032 00037); 3 Ph.; 4 Ph.; 4 Ph.; 4 Ph.; 3 Ph.; 3 Ph.; 3 Ph.; 4 Ph.; 3 Ph. (B74 0032 00268); (B74 0032 00272)

Traffic Station: B74 0032 00000; B74 0032 00024; B74 0032 00040; B74 0032 00052; B74 0032 00062; B74 0032 00118; B74 0032 00141; B74 0032 00260; B74 0032 00274; (B74 0032 00281)

HPMS Section: 0.08; 0.29; 0.43; 0.62; 1.04; 1.30; 1.80; 2.15; 2.31; 2.52; 2.63; 2.79

AADT (Year 2006): 11,700; 12,900; 27,300 (17,200); 27,400; 25,100; 34,100; 23,900; 55,200; 43,600; 32,500; 32,500 (32,500); 3,500

DOD Sections

Census Tracts

Functional Classification: Principal Art. (Conn. Link); Principal Arterial (5)

National Highway System (NHS): NHS

Previous Projects: Project No., Date and Limits

STP–0900(34), 1998
HWY–M–02–91M (R) 1992
HWY–M–04–97, 1998 (R)
32A–01–89 (R) 1991
32A–01–96, 1998)
32A–01–89M (R) 1991
32A–01–83M (R) 1983
DF–032–1(4) 1958
DANCR 1945
County Phase II
WPGM13–H, 1936
WPGM13–I,1936
(F–032–(2), 1955)
F–032–1(1), 1957
(DANC 8(1) 1944)

Scale: 1"=0.15 mile

| Date Released | |
|---|---|
| May 2001 | |
| **Revised** | |
| Nov. 06 | D.B. |

# ROAD INVENTORY
# MAUI RTE 32A
# HOBRON AVENUE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

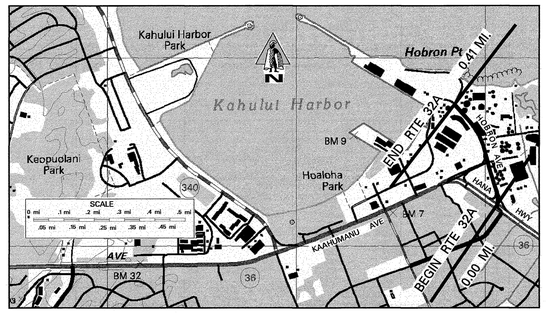
**Total Route Length:** 0.41 miles

**a. Survey Length:** 0.41 miles

**b. Proposed Length:** 0.00 miles

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

*




SCALE: (In Miles) 20″ = 1 mile

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

**Maintenance Control Sections : Length and Description**

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

**Structure Carrying Road**

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

**Vertical Clearance**

**Horizontal Clearance**

**Structure Over Road**

**Vertical Clearance**

**Horizontal Clearance**

**Right of Way Width (min.–max.) if varies** 80′ (0.22) 50′

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

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

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

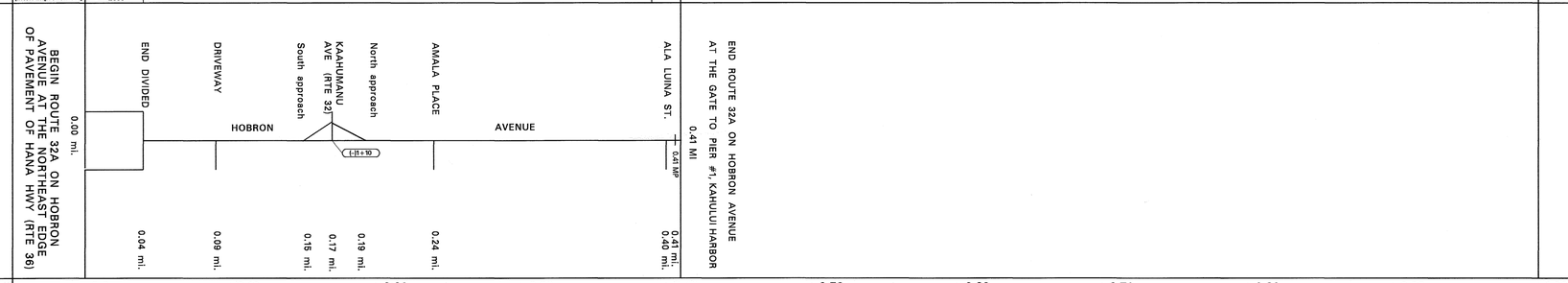
**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)** (5+26) STATE (0.17) STATE PHASE II (L-)33+60

**Project No., Type of Construction, and Year Constructed** (0.03) HWY-M-01-05 (R) 2006 (0.39) COUNTY TO STATE

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

## Road Diagram

* MP = Milepost Signage




SCALE: (In Miles) 20″ = 1 mile

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

**Divided Highway — Undivided**

**Shoulder: Width and Type** 6′ AC (0.39) 15′ – 20′ AC/GRAVEL

**Pavement: Width and Type** 22′ AC | 33′ AC (0.07) | 22′ AC

**Shoulder: Width and Type** 0 (0.04) | 6′ AC | (0.15) ½′ Grass | (0.17) 10′–15′ Gravel (0.24) | 6′ AC

**Median: Width and Type** 11′ Painted AC

**Shoulder: Width and Type** 0 (0.04)

**Pavement: Width and Type** 11′ AC

**Shoulder: Width and Type** 6′ AC

**Number of Traffic Lanes** 2 – 11′ | 1 – 11′ (0.07) | 2 – 11′

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

**(Right Side)**

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

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

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

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

**Illumination: Type, Location and Number** (0.15) 1-MV; (0.23) 1-MV

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

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

**Area and Development:** URBAN

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous** FLAT (0.23)

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

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

**Traffic Station** B74 032A 00000

**HPMS Section** (0.10)

**AADT** (Year 2006) 5,998 (0.41)

(0.17) STATE – Phase II

**DOD Sections**

**Census Tracts**

**Functional Classification** PRINCIPLE ARTERIAL

**National Highway System (NHS)** NHS

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

DANC 8 (1) 1945 (0.22) COUNTY

SCALE: (In Miles) 20″ = 1 mile

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

| Date Released | |
|---|---|
| Oct. 2004, G.N. | |
| **Revised** | |
| Nov. 06 | D.B. |

# ROAD INVENTORY
# MAUI RTE 32B
# WHARF STREET

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

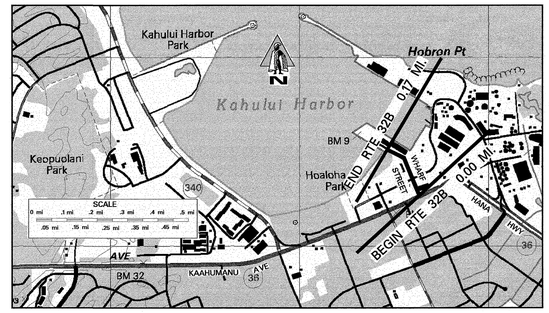
**Total Route Length:** 0.17 miles

**a. Survey Length:** 0.17 miles

**b. Proposed Length:** 0.00 miles

**c. Other Length: *** 0.17 miles

*




SCALE: (In Miles) 20" = 1 mile

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

**Maintenance Control Sections : Length and Description**

32B (0.17 MI)

Begin and end 32B same as begin and end route 32B

**Structure Carrying Road**

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

**Structure Over Road**

- Vertical Clearance
- Horizontal Clearance

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

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

**Right of Way Fence: Type – Right and Left**: 0.06 0.06 Chain Link Fence

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

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**: 0+00 STATE 5+70

**Project No., Type of Construction, and Year Constructed**: 0.00 HWY–M–01–05M 2006 (R) 0.11 LT–M–01–78M (R) 1979 WDR 34(1) 0.14

**Project No., Type of Construction, and Year Constructed**: HWY–M–01–91M 1992 (R)

## 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.

WHARF STREET

ALA LUNA ST. (Pier 1) — 0.05 mi.

GUARD HOUSE — 0.08 mi.

PAVED ROAD — 0.11 mi.

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

0.17 MI.

SCALE: (In Miles) 20" = 1 mile

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

**Divided Highway — Undivided**

- Shoulder: Width and Type: 2' AC; 0.08 8' AC; 0.01; 10' AC; 0.14; 30'–50' AC
- Pavement: Width and Type: 24' AC; 0.22; 26' AC; 36' AC; 42' AC; 44' AC; 0.11; 34' AC; 0.12; 36' AC
- Shoulder: Width and Type: 2' AC; 0.04; 4' AC; 0.08; 0; 40'–50' AC

**Divided Highway — Median**

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

**Number of Traffic Lanes**: 0.02; 0.04; 0.06; 0.12

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**: 2–12'; 1–12'; 1–14'; 2–18'; 1–14'; 1–28'; 1–30'; 1–16'; 1–20'

**(Right Side)**: 12' T.L.; 0.08; 0.11

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

**Sidewalk: Width and Type (Right and Left)**: 0.04 8" CONC; 0.07 8" CONC

**Curb and/or Gutter: Type (Right and Left)**: CONC. CURB & AC GUTTER

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

**Illumination: Type, Location and Number**

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

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

**Area and Development:** URBAN

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

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

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

**Traffic Station**: 874 032B 00000

**HPMS Section**: 0.06

**AADT** (Year 2006): 2,440 — 0.17

**DOD Sections**

**Census Tracts**

**Functional Classification**: PRINCIPAL ARTERIAL

**National Highway System (NHS)**: NHS

**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. |

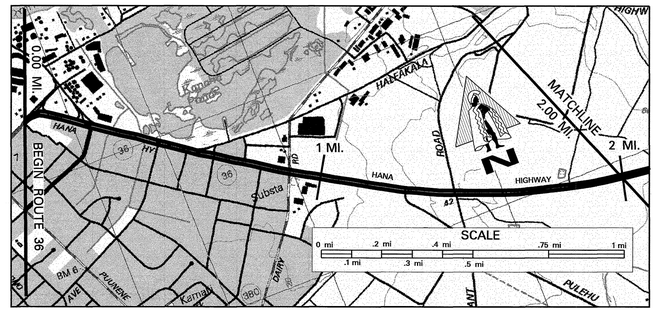
# ROAD INVENTORY
# MAUI RTE 36
# HANA HIGHWAY

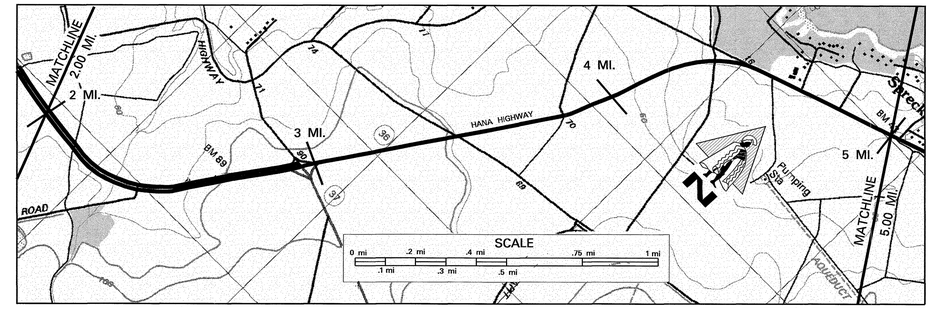
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

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




SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description: 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: 2.29

Horizontal Clearance: 105'

**Structure Over Road**

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.-max.) if varies: 100' – 168' ; 4.91 – 60'

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

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

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STP-036-1(12) Inter. Impr., 2000 — 43+17 — STATE — 208+00 — 241+00 — 169+00

Project No., Type of Construction, and Year Constructed: 0.18 — 0.27 — 0.87 — STP-0900(58), GUARDRAIL & SHOULDER IMPR., 2004 — 3.88 — 4.55 — STP-0900(58), GUARDRAIL & SHOULDER IMPR., 2004 — 4.83

Project No., Type of Construction, and Year Constructed: 36A-01-96M (R), 1999 — HWY-M-01-96M AREA 3 1997 — 3.22 — 173+65 — 36AB-01-04M, RESURFACE, 2005

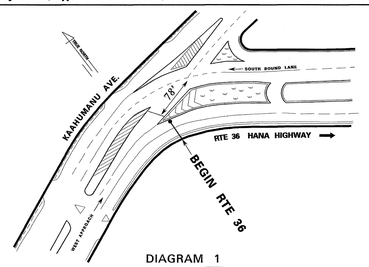



DIAGRAM 1

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 THE SOUTH BOUND LANE OF KAAHUMANU AVENUE (ROUTE 32) (SEE DIAGRAM 1)

0.00 mi. — HANA HWY — 5.00 mi.

HOBRON ST (Rte 32A) — ROAD — WAKEA AVENUE — HANAMAU STREET — HALEAKALA HWY (Rte 36A) — PAPA AVENUE — PAVED ROAD — DAIRY ROAD (Rte 3800) — PULEHU ROAD — ROAD to Development — CONC. TC & CANE HAUL RD — KALIALINUI BR — HANSEN ROAD — CULVERT — HALEAKALA HWY (Rte 37) — END DIVIDED — KALA STREET CULVERT — CANE HAUL RD — BEGIN DIVIDED — END DIVIDED STABLE RD. — BEGIN DIVIDED — ALAKAPA PL — END DIVIDED — BEGIN DIVIDED — NONOHE PL

ECB 1 MP — 2 MP — 157+81.20 — ECB 3 MP — 184+95 — MP — 232+70 — 154+30 — MP

0 MP — Kam Ave 0.02 mi. — 0.19 mi. — 0.27 mi. — 0.43 mi. — Hanakai St 0.52 mi. — 0.61 mi. — 0.72 mi. — 0.78 mi. — 0.87 mi. — 0.95 mi. — 1.07 mi. — 1.27 mi. — 1.42 mi. — 1.80 mi. — 2.01 mi. — 2.29 mi. — 2.37 mi. — 2.66 mi. — 2.81 mi. — 2.92 mi. — 3.00 mi. — 3.21 mi. — 3.39 mi. — 3.44 mi. — 3.79 mi. — 4.01 mi. — 4.22 mi. — 4.34 mi. — 4.40 mi. — 4.43 mi. — 4.65 mi. — 4.73 mi. — 4.84 mi. — 5.00 mi. — 5 MP

ROUTE CONTINUES ON SHEET # 2

SCALE: (In Miles) 4" = 1 mile

**Divided Highway — Undivided**

Shoulder: Width and Type: 6' AC ; 0.96 — 10' AC ; 2.89 — 30' AC ; 3.22 — 4' AC

Pavement: Width and Type: 22' AC ; 0.81 — 24' AC ; 2.82 — TAPER 12'–24' ; 3.05 — 12' AC — 24' AC — 12' AC ; (24' AC) — 12' AC — 12' AC

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

**Divided Highway — Divided**

Median: Width and Type: 50' GRASS — VARIES 16'–24' GRASS ; 1.29 — VARIES 20'–24' GRASS ; 2.19 — VARIES 10'–20' PAINTED AC ; 2.46 — VARIES 10'–14' GRASS ; 2.82 — VARIES 12'–20' PAINTED AC ; 3.21 — 12' PAINTED AC ; 4.22 — 4.40 — 4.43 — 12' PAINTED AC ; 4.73 — 4.84 — 12' PAINTED AC

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

Pavement: Width and Type: 24' AC — TAPER 12'–24' ; 3.04 — 12' AC — 12' AC — 12' AC

Shoulder: Width and Type: 6' AC ; 0.81 — 0.95 — 10' AC ; 2.89 — 8' – 10' AC — 4' AC — 4' AC — 6'–8' AC

Number of Traffic Lanes: 2 – 11' ; 0.25 — 2 – 12' — 2 – 12' — 1 – 12' ; 1–12' — 2 – 12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — ALL T.L.'s 12' unless noted: 0.19 — 11' — 0.27 — 0.45 — 0.49 — 0.69 — 0.58 — 0.61 — 0.80 — 0.87 — 0.97 — 0.95 — 1.15 — 1.27 — 1.38 — 1.39 — 1.42 — 1.55 — 2.15 — 2.04 — 2.37 — 2.46 — 2.55 — 2.76 — 2.78 — 2.92 — 2.89 — 3.05 — 3.01 — 3.12 — 3.12 — 4.29 — 4.34 — 4.42 — 5.00

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

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

Sidewalk: Width and Type (Right and Left): 6' CONC. ; 0.95

Curb and/or Gutter: Type (Right and Left): CONC. CURB ; 0.24 — 0.32 — 4' – 6' CONCRETE GUTTER — 2.89 — 3.17 — 3.46 — 3.81 — 4.59

Protective Devices: Type, Location and Number — ALL GUARDRAILS METAL ON METAL: 0.89 — 0.95 — 1.22 — 1.33 — 1.39 — 2.10 — 2.12 — 2.25 — 2.67 — 2.76 — 2.86 — 2.97 — 4.46 — M/M — 4.54 — 4.55 — 4.58 — 4.65

Illumination: Type, Location and Number: 0.80 — HPS — 2.36 — 3.19 — 3.46 — 3.85

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative: 0.16 — – 1 — 0.46 — 2.68 — + 1 — 3.38 — 4.51 — + 2 — 4.89

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: URBAN — 2.92 — RURAL

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: 0.09 — 0.30 — FLAT (1)

Speed: 1–Design, 2–Posted: 30 MPH (2) — 45 MPH (2) ; 1.01 — 55 MPH (2) ; 2.71 — 45 MPH (2) ; 3.22 — 55 MPH (2) ; 4.30 — 35 MPH (2) — 45 MPH (2) ; 4.91 — (35 MPH (2))

Intersection Control Devices: Type, Location and Cycle Timing — ALL 4 PHASE: 0.18 — 0.82 — 1.80

Traffic Station: B74 0036 00000 — B74 0036 00019 — B74 0036 00053 — B74 0036 00087 — B74 0036 00292

HPMS Section: 0.12 — 0.33 — 0.67 — 2.01 — 4.02

AADT — (Year 2006): 26,000 — 0.18 — 36,400 — 0.53 — 30,700 — 0.87 — 40,100 — 2.92 — 17,200

DOD Sections

Census Tracts

Functional Classification: PRINCIPLE ARTERIAL — 2.92

National Highway System (NHS): N H S

Previous Projects: Project No., Date and Limits

STP-0900(34) 1998 — 0.80 — 0.87 — AM-1061-12 (IMPROV), 1991 — 3.22 — 36A-02-87M (R) 1988 — 2.97 — 3.06 — 36AB-01-90M (R) 1991

0.06 — 2.80 — 36A-01-82 Inter. Impr. 1983 — 4.52

DANC 8(1) 1945 — HWY-M-01-76M (R) 1976 — 3.08 — HWY-M-02-76M (R) 1976 — 3.80 — 4.50 — 147+44.30 NRS – 17A

DANC 8(1) 1943, 1945 — 242+00 — 1933

SCALE: (In Miles) 4" = 1 mile

| Date Released |
|---|
| Oct. 2004, G.N. |
| **Revised** |
| Feb. 06 D.B. |
| Nov. 06 D.B. |
| Mar. 08 D.B. |

# ROAD INVENTORY

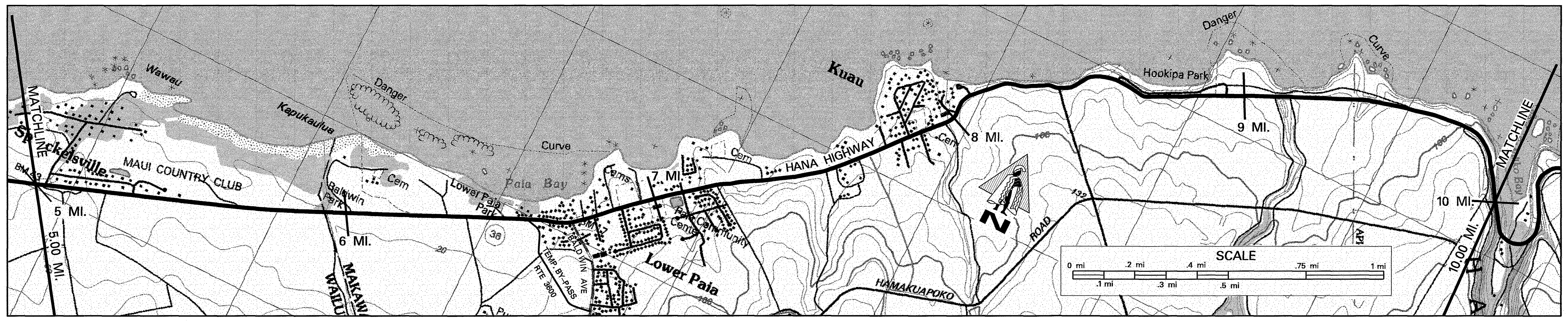
# MAUI RTE 36
# HANA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

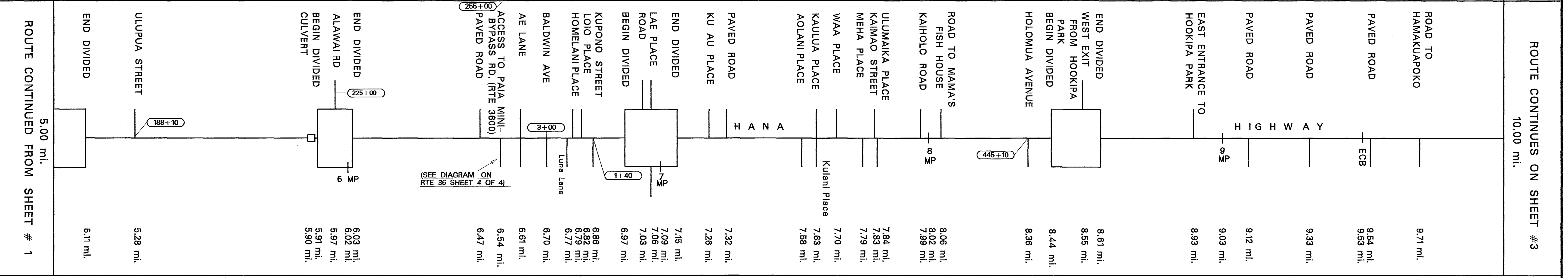
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

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



| SCALE: (In Miles) 4" = 1 mile | 5 — 6 — 7 — 8 — 9 — 10 |
|---|---|
| **Maintenance Control Sections : Length and Description** | 36A (6.70 MI) · 6.70 End 36A and begin 36B on Hana Hwy at the West edge of pavement of Baldwin Ave. · 36B (4.32 MI) |
| **Structure Carrying Road** — Bridges (Over 20'): Length, Type, Capacity and Year Constructed | |
| Vertical Clearance | |
| Horizontal Clearance | |
| **Structure Over Road** — Vertical Clearance | |
| Horizontal Clearance | |
| **Right of Way Width (min.–max.) if varies** | 60' · 8.89 · 80' – 200' |
| **Available Right of Way Width (Needs Study)** | 1000' CLR – SUGAR CANE FIELD 20' FROM PAVEMENT · 6.50 · RESIDENTIAL AREA · 7.94 · 1000' CLR (R) 15' SUGAR CANE FROM PAVEMENT / BEACH (L) · 9.69 · CLIFFS |
| **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)** | (191+00) (222+00) S T A T E |
| **Project No., Type of Construction, and Year Constructed** | 5.33 · STP-0900(58), GUARDRAIL & SHOULDER IMPR., 2004 · 5.92 · (251+00) 6.46 · 36AB-02-04M (R) 2006 (10+28) 6.82 · (10+04.82) · 36AB-01-04M, RESURFACE, 2005 · 8.61 (122+35) · 8.92 · STP-036-1(8) RESURFACE |
| **Project No., Type of Construction, and Year Constructed** | 36AB-01-04M, RESURFACE, 2005 · (253+81.21) 6.53 · 6.55 · 36AB-01-95M 1998 (R) · 6.83 · 36AB-01-90M RESURFACE 1991 · 1998 |

**Road Diagram**
* MP=Milepost Signage



| SCALE: (In Miles) 4" = 1 mile | 5 — 6 — 7 — 8 — 9 — 10 |
|---|---|
| **Divided Highway — Undivided** — Shoulder: Width and Type | 4' AC · 6.47 · 20' Grass · 6.57 · 6.62 · 6.68 · 0' (24' AC) · 6.82 · 6' AC · 6.91 · 6' GRASS · 4' AC · 8.93 · 6' AC |
| Pavement: Width and Type | 12' AC · 6'-8' AC · 24' AC · 12' AC · 24' AC · 22' AC · 31' AC · 22' AC · 6.79 · 34' AC · 24' AC · 11' AC · 22' AC · 11' AC · 8.82 · 24' AC |
| Shoulder: Width and Type | 0' · 5.15 · 4' AC · 0' · 4' AC · 6.55 · 0' · 4' GRS · 4' AC · 0' · 6' GRASS · 7.90 · 4' AC · 8.06 · 6' GRASS · 0 · 10' GRASS · 8.93 · 5' – 6' AC |
| **Divided** — Median: Width and Type | 12' PAINT AC · 5.11 · 5.91 · 10' PAINT AC · 6.03 · 6.86 · 6.97 · 10' PAINT AC · 7.15 · 8.44 · 11' PAINTED AC · 8.61 |
| Shoulder: Width and Type | 0' · 0' · 0' · 0 |
| Pavement: Width and Type | 12' AC · 12' AC · 11' AC · 11' AC |
| Shoulder: Width and Type | 6'-8' AC · 6'-15' AC · 6.62 · 6.68 · 6.79 (2-12') · 6' GRASS · 4' AC |
| **Number of Traffic Lanes** | 2 – 12' · 6.55 · 2-11' · 1-11' 1-20' · 2-11' · 2-17' · 2-12' · 2 – 11' · 8.82 · 2 – 12' |
| **Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)** | 6.56 · 6.62 · 6.82 · 6.86 (1-11' (L) TL) · 8.49 1-11' (L) TL 8.55 |
| **(Right Side)** | (11' 2-WAY (L) TL) · 1-14' (R) TL · 6.70 .72 .79 (11' 2-WAY (L) TL) · 6.68 (1-12' (R) TL) |
| **Frontage Road: No. of Lanes, and Width (Right and Left)** | (TO PAIA MINI BY-PASS) 6.49 · 6.55 · 6.57 |
| **Sidewalk: Width and Type (Right and Left)** | 6' CONC. CURB · 6.96 |
| **Curb and/or Gutter: Type (Right and Left)** | CONC. CURB · 7.00 · 7.02 · 4' CONC. GUTTER |
| **Protective Devices: Type, Location and Number** | METAL ON METAL · METAL ON METAL 7.98 · 8.05 · 8.12 · 8.16 · METAL ON CONC. · 8.33 · 8.36 WOOD ON WOOD · (METAL RAIL ON CONC. POST) 9.06 · 9.16 · 9.34 · 9.48 · 9.55 · 9.70 · 9.77 · 9.90 |
| **Illumination: Type, Location and Number** | 6.46 · MV · 6.98 |
| **Curves: Degree of Curvature (Right and Left)** | (OPEN 4-6 PM, EXC. SAT, SUN, HOL.; NO TRUCKS OR BUSES) · N O N E |
| **Shoulder Lanes** | 6.03 · 1-14' SHOULDER LANE · 6.49 |
| **Grades: % Grade, Positive or Negative** | 5.17 · – 1 · 5.45 · 5.94 · 0 · 6.52 · 9.00 · +3 · 9.20 · 9.81 · –3 |
| **Vertical Curve: Crest or Sag, Curve Limits** | |
| **Area and Development:** | R U R A L |
| **Terrain: 1–Flat, 2–Rolling, 3–Mountainous** | F L A T (1) · 6.78 · R O L L I N G (2) · 9.75 · MOUNTAINOUS |
| **Speed: 1–Design, 2–Posted** | 35 MPH (2) · 5.39 · 45 MPH (2) · 6.41 · 35 MPH (2) · 20 MPH (2) · 6.88 · 30 MPH (2) · 9.05 · 45 MPH (2) · 9.66 · 35 MPH (2) |
| **Intersection Control Devices: Type, Location and Cycle Timing** | 6.32 · 6.48 · 6.70 3 PHASE · 6.91 · 8.96 · 9.54 |
| **Traffic Station** | B74 0036 00292 · B74 0036 00643 · B74 0036 00893 · B74 0036 00953 |
| **HPMS Section** | 8.29 · 9.15 |
| **AADT** (Year 2006) | 17,200 · 6.43 · 14,600 · 8.93 · 11,600 · 9.53 · 10,600 |
| | |
| **DOD Sections** | |
| **Census Tracts** | |
| **Functional Classification** | MINOR ARTERIAL |
| **National Highway System (NHS)** | N O N E |
| **Previous Projects: Project No., Date and Limits** | |
| | 36AB-01-90M RESURFACE 1991 · (228+00) 6.01 · 36B-02-02, SHLDR. LN., 2005 · (255+00) 6.55 |
| | 36AB-01-90M RESURFACE 1991 · 6.53 · 6.83 (36AB-01-95M, 1996 (R)) |
| | 36AB-01-90M (RESURF) 1991 · 8.36 · 8.93 · STP-036-1(7) 1997 |
| | 36AB-01-75 (RESURF) 1975 · 36B-02-79 (IMPROV) 1979 · 8.05 · 36BC – 01 – 82M (RESURF) 1982 |
| | NRS – 17A · 6.57 · 7.88 · WDRC 14(1) 1948 · F-036-1(1) REVAMP 1961 |
| | 1933 · 257+00 · JOB # 5213 · 8.87 · F-036-1(1) 1959 |
| SCALE: (In Miles) 4" = 1 mile | 5 — 6 — 7 — 8 — 9 — 10 |

| Date Released | |
|---|---|
| Oct. 2004, G.N. | |
| **Revised** | |
| Feb. 06 | D.B. |
| Nov. 06 | D.B. |
| Mar. 08 | D.B. |

# ROAD INVENTORY
# MAUI RTE 36
# HANA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

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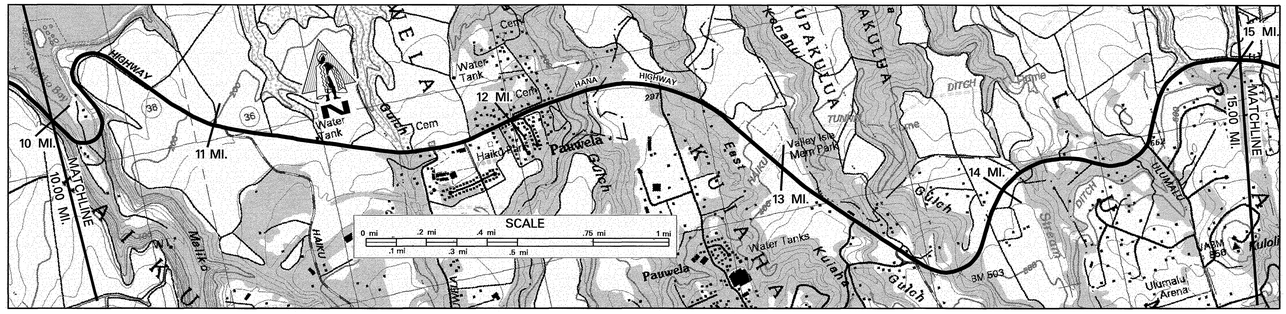



SCALE: (In Miles) 4" = 1 mile

**Maintenance Control Sections : Length and Description**

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

**Structure Carrying Road**

| | |
|---|---|
| Bridges (Over 20'): Length, Type, Capacity and Year Constructed | 10.60 TEE BEAM 1961 205' HS20 |
| Vertical Clearance | 28' |
| Horizontal Clearance | |

**Structure Over Road**

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

| | |
|---|---|
| Bridges (Over 20'): Length, Type, Capacity and Year Constructed | 13.66 PRESTRESSED CONCRETE GIRDER, HL-93, 2003 |
| Vertical Clearance | 225' |
| Horizontal Clearance | 34' |

| | |
|---|---|
| Right of Way Width (min.–max.) if varies | 80' – 200' (10.26) / 80' – 285' / (13.32) 80' – 135' |
| Available Right of Way Width (Needs Study) | CUT SLOPES (10.70) / CLR 1000' PINEAPPLE 20' FROM PAVEMENT (11.00) / TREES AND BUSHES (11.70) / RES. AREA (12.18) / TREES (12.86) / CLR 1000' PINE 15' FROM PVMT (13.10) / CUT SLOPES WITH PASTURES AND FARMS |
| Right of Way Fence: Type – Right and Left | NONE |
| Control of Access: 1–None, 2–Partial, 3–Full | NONE |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | STATE |
| Project No., Type of Construction, and Year Constructed | STP – 036 – 1(8) RESURFACE 1998 (12.84) |
| Project No., Type of Construction, and Year Constructed | (13.32) BR-036-1(15), 2003 BRIDGE REPLACEMENT (13.84) STP – 0900 (39), 1996 RESURFACE |

## Road Diagram
* MP=Milepost Signage

ROUTE CONTINUED FROM SHEET # 2 — 10.00 mi.

MALIKO BRIDGE ROAD (ECB) — ROAD TO HAIKU — ROAD TO CEMETERY — PAUWELA ROAD — PILILOHA ST. (R) — Pauwela Light House (L) — AKAHAI PLACE — KAHIAPO PLACE — PAUWELA ROAD — WAIKINA LOOP — WAIKINA LOOP — NAHELE ROAD — W. KUIAHA RD. (R) — NAHELE RD. (L) — VALLEY ISLE MEMORIAL PARK — E. KUIAHA ROAD — ROAD TO HAIKU AND ULUMALU — HAHANA RD. (L) (R) — KAUPAKULUA BRIDGE — O'ILI ROAD — HOHANI PLACE — ULUMALU ROAD

HANA HIGHWAY — MP 10, 11, 12, 13, 14

10.02 mi. 10.09 mi. 10.14 mi. 10.18 mi. 11.02 mi. 11.03 mi. 11.64 mi. 11.70 mi. 11.84 mi. 11.86 mi. 11.89 mi. 11.97 mi. 11.98 mi. 12.02 mi. 12.14 mi. 12.24 mi. 12.28 mi. 12.50 mi. 12.93 mi. 13.02 mi. 13.28 mi. 13.45 mi. 13.65 mi. 13.86 mi. 13.91 mi. 14.03 mi. 14.52 mi.

ROUTE CONTINUE ON SHEET #4 — 15.00 mi.

SCALE: (In Miles) 4" = 1 mile

**Divided Highway — Undivided**

| | |
|---|---|
| Shoulder: Width and Type | 6' AC (12.86) / 4' – 6' AC (13.32) / 10' AC (13.84) / 4' – 6' AC |
| Pavement: Width and Type | 24' AC (10.57) / 22' AC / 24' AC / 22' AC |
| Shoulder: Width and Type | 5' – 6' AC / 4' – 6' AC / 10' AC / 4' – 6' AC |

**Divided Highway**

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

| | |
|---|---|
| Number of Traffic Lanes | 2 – 12' (10.57) / 2 – 11' (13.32) / 2 – 12' (13.84) / 2 – 11' |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | NONE |
| (Right Side) | NONE |
| Frontage Road: No. of Lanes, and Width (Right and Left) | NONE |
| Sidewalk: Width and Type (Right and Left) | 3' AC |
| Curb and/or Gutter: Type (Right and Left) | 4' CONC. GUTTER (10.21) / 3' CONC. GUTTER (10.48) / 4' CONC. GUTTER (4' CONC. GUTTER) / (2' CONC. GUTTER) / 3' CONC. GUTTER / (2' CONC. GUTTER) (4' CONC. GUTTER) / 3' CONC. GUTTER / (2' CONC. GUTTER) / 6' CONC. SWALE |
| Protective Devices: Type, Location and Number | (CRM WALL) (10.00) / (METAL RAILS ON CONC. POSTS) / WOOD RAILS ON WOOD POSTS (11.89) / WOOD RAILS ON WOOD POSTS (12.22) / WOOD RAILS ON WOOD POSTS (12.86) / (METAL ON CONC.) (13.30) / (WOOD/WOOD) (13.34) / (WOOD/WOOD) (13.76) / M/M (14.06) / M/M (14.14) / M/M (14.42) |
| Illumination: Type, Location and Number | |
| Curves: Degree of Curvature (Right and Left) | |
| Superelevation (Range) | |
| Grades: % Grade, Positive or Negative | (10.01) + 4 (11.05) (11.48) + 7 (12.76) (12.95) |
| Vertical Curve: Crest or Sag, Curve Limits | |
| Area and Development: | RURAL |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | MOUNTAINOUS (10.26) / ROLLING (12.03) |
| Speed: 1–Design, 2–Posted | 35 MPH (2) (10.67) / 45 MPH (2) (11.65) / 30 MPH (2) (12.12) / 45 MPH (2) (12.84) / NOT POSTED 45 MPH (2) |
| Intersection Control Devices: Type, Location and Cycle Timing | |
| Traffic Station | (B74 0036 00953) / B74 0036 01009 (10.00) / B74 0036 01102 (11.02) / B74 0036 01170 (11.70) / B74 0036 01214 (12.14) / B74 0036 01345 (13.45) / B74 0036 01391 (13.91) |
| HPMS Section | 10.77 / 11.21 / 11.76 / 13.00 / 13.63 |
| AADT (Year 2006) | 10,600 / 7,900 (11.02) / 6,300 (11.70) / 6,300 (12.14) / 6,200 (13.45) / 3,400 |
| DOD Sections | |
| Census Tracts | |
| Functional Classification | MINOR ARTERIAL |
| National Highway System (NHS) | |
| Previous Projects: Project No., Date and Limits | STP-036-1(7) 1997 (12.84) |
| | 36BC-01-82M 1982 RESURFACE (12.53) 0.34 36C-01-87M 1987 RESURFACE |
| | F-036-1(1) 1961 REVAMP (10.48) / F – 32 (2) 1957 (13.57) |
| | F-036-1(1) 1959 (10.00) 2+58.86 180+79.87 / F – 32 (3) 1951, 1953 164+34.19 (13.32) 3+34.19 / F – 32 (2) 1946 |

SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Feb. 06 | D.B. |
| Nov. 06 | D.B. |

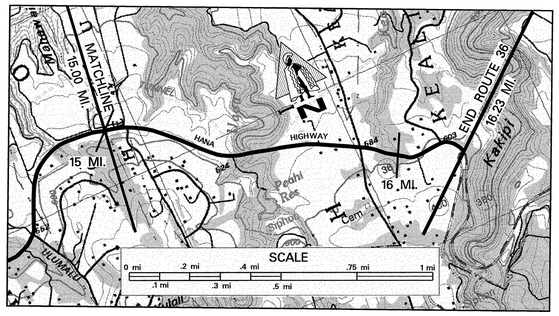
# ROAD INVENTORY
# MAUI RTE 36
# HANA HIGHWAY

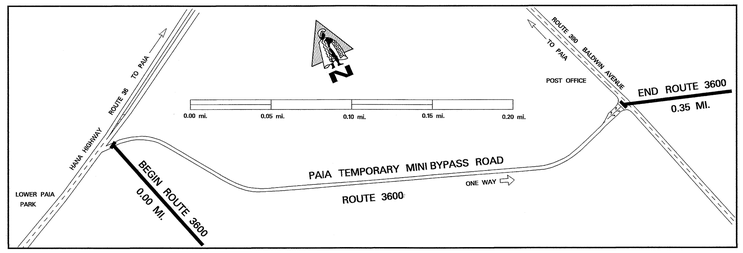
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

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




SCALE: (In Miles) 4" = 1 mile

| | | | |
|---|---|---|---|
| Maintenance Control Sections : Length and Description | 36C (5.21 MI) | END 36C SAME AS END ROUTE 36 | |
| Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed | Prestressed Concrete Girder HL-93, 2002 315' | | |
| Structure Carrying Road — Vertical Clearance | | | |
| Structure Carrying Road — Horizontal Clearance | 15.46 44' | | |
| Structure Over Road — Vertical Clearance | | | |
| Structure Over Road — Horizontal Clearance | | | |
| Right of Way Width (min.-max.) if varies | 80' – 135' | | |
| Available Right of Way Width (Needs Study) | CUT SLOPES W/PASTURES & FARMS | | |
| Right of Way Fence: Type – Right and Left | | | |
| Control of Access: 1–None, 2–Partial, 3–Full | NONE | | |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | STATE | | PRIVATE |
| Project No., Type of Construction, and Year Constructed | 15.36 BR-036-1(14), 2002 Bridge Replacement 15.61 | | |
| Project No., Type of Construction, and Year Constructed | STP-0900(39), 1996 RESURFACE | 7+00 | |

## Road Diagram
* MP=Milepost Signage

15.00 mi. ROUTE CONTINUED FROM SHEET #3

15.08 mi. HEAAULA PLACE PAVED ROAD
15.05 mi.
15.01 mi.
15.46 mi. UAOA BRIDGE
15.86 mi. SOUTH HOLOKAI ROAD — North Holokai Rd
16.04 mi. HAUMANA ROAD
16.12 mi.
HANA HWY
15 MP
16 MP

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

BEGIN ROUTE 3600 ON PAIA TEMPORARY BYPASS ROAD 15' SOUTHWEST FROM SOUTHWEST EDGE OF PAVEMENT OF HANA HIGHWAY 0.00 MI.

DIRT ROAD
OPEN WEEKDAYS FROM 3:30 PM TO 6:30 PM
ROUTE 3600 — PAIA TEMPORARY MINI BYPASS ROAD
ONE WAY
0.12 mi.

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

SCALE: (In Miles) 4" = 1 mile

| | | | |
|---|---|---|---|
| Divided Highway — Undivided — Shoulder: Width and Type | 4' – 6' AC | | 2' AC |
| Divided Highway — Undivided — Pavement: Width and Type | 22' AC (15.36) 24' AC (15.61) 22' AC | NOTE: PAVEMENT WIDTHS INCLUDE TURNING LANES FROM 0.33 MI. TO 0.35 MI. | 12' AC (0.33) 24' AC |
| Divided Highway — Undivided — Shoulder: Width and Type | 4' – 6' AC | | 2' AC |
| Divided Highway — Median: Width and Type | | | |
| Divided Highway — Shoulder: Width and Type | | | |
| Divided Highway — Pavement: Width and Type | | | |
| Divided Highway — Shoulder: Width and Type | | | |
| Number of Traffic Lanes | 2 – 11' (15.36) 2 – 12' (15.61) 2 – 11' | | 1–12' (0.33) 2–12' |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | NONE | | |
| (Right Side) | NONE | | (0.33) |
| Frontage Road: No. of Lanes, and Width (Right and Left) | NONE | | |
| Sidewalk: Width and Type (Right and Left) | | | |
| Curb and/or Gutter: Type (Right and Left) | (4' CONC. GUTTER) (2' CONC. GUTTER) (15.36) (15.59) (15.61) (15.67) (15.86) (15.98) | | |
| Protective Devices: Type, Location and Number | METAL ON METAL (15.67) (15.69) (16.15) | METAL ON CONCRETE | |
| Illumination: Type, Location and Number | | | |
| Curves: Degree of Curvature (Right and Left) | | | |
| Superelevation (Range) | | | |
| Grades: % Grade, Positive or Negative | | | |
| Vertical Curve: Crest or Sag, Curve Limits | | | |
| Area and Development: | R U R A L | | |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | ROLLING | | |
| Speed: 1–Design, 2–Posted | NOT POSTED 45 MPH (2) | | NOT POSTED (0.05) 20 MPH (2) (0.21) 25 MPH (2) |
| Intersection Control Devices: Type, Location and Cycle Timing | | | |
| Traffic Station | B74 0036 01391 | | |
| HPMS Section | (16.07) | | |
| AADT (Year 2006) | 3,400 | (16.23) | |
| DOD Sections | | | |
| Census Tracts | | | |
| Functional Classification | MINOR ARTERIAL | | |
| National Highway System (NHS) | | | |
| Previous Projects: Project No., Date and Limits | | | |
| | 36C-01-87M 1987 RESURFACE (16.09) | | |
| | F-32(2) 1957 (16.06) | | |
| | F-32(2) 1946 137+21.46 ← 0+00 | | |

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

| Revised | |
|---|---|
| Feb. 06 | D.B. |
| Nov. 06 | D.B. |
| Mar. 08 | D.B. |

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

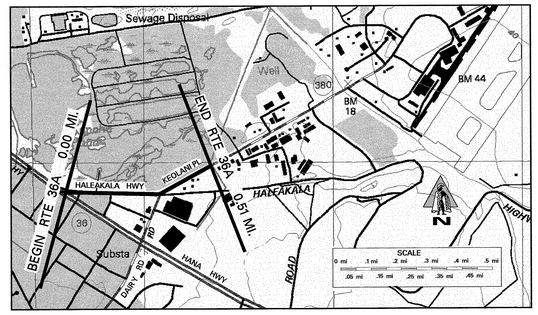
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

**Total Route Length:** 0.51 miles
- a. Survey Length: 0.51 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: * 0.00 miles

*




SCALE: (In Miles) 20″ = 1 mile

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

**Maintenance Control Sections : Length and Description**
Begin 36A-A on Haleakala Highway at the N.E. edge of pavement of Hana Hwy. → 36A – A → 0.32 End 36A-A at centerline of Dairy Road

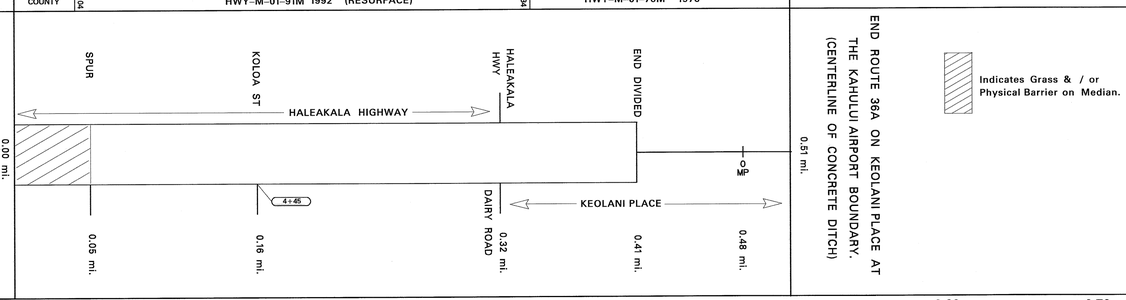
**Structure Carrying Road**
- Bridges (Over 20′): Length, Type, Capacity and Year Constructed
- Vertical Clearance
- Horizontal Clearance

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

**Right of Way Width (min.–max.) if varies**: 0.32 60′
**Available Right of Way Width (Needs Study)**: BUSHES | COMMERCIAL AREA
**Right of Way Fence: Type – Right and Left**
**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 (-10+95) (12+00)
**Project No., Type of Construction, and Year Constructed**: 0.05 HWY-M-01-05M, RESURF., 2006 0.30
**Project No., Type of Construction, and Year Constructed**: COUNTY 0.04 HWY-M-01-91M 1992 (RESURFACE) 0.34 HWY-M-01-76M 1976

## Road Diagram

* MP = Milepost Signage




SCALE: (In Miles) 20″ = 1 mile

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

**Divided Highway**

**Undivided**
- Shoulder: Width and Type: 0′ (0.04) | 6′ AC (0.10) | 6′ BP WITH CURB (0.23) | 10′ GRASS (0.25) | 6′ AC (0.32) | 10′ GRAVEL (0.46) | 25′ GRAVEL
- Pavement: Width and Type: 12′ BP | 1′ AC | 24′ AC | 12′ AC | 10′ AC (0.41) | 30′ AC
- Shoulder: Width and Type: 0′ | 6′ AC (0.10) | 10′ GRS (0.15) | 0′ | 10′ GRASS

**Median: Width and Type**: VARIES GRASS W/CONC. CURB (0.05) | 0′ – 12′ PAINTED AC (0.08)

**Divided**
- Shoulder: Width and Type: 0′
- Pavement: Width and Type: 12′ BP (0.05) | 12′ AC (0.32) | 20′ AC
- Shoulder: Width and Type: 0′ | 12′ GRASS

**Number of Traffic Lanes**: 2 – 12′ | 1 – 10′ | 2 – 10′ | 1–12′
**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**: 0.15 | 0.18 | 0.32
**(Right Side)**: 0.08 | 0.16 | 0.20 | 1–10′ | 0.35
**Frontage Road: No. of Lanes, and Width (Right and Left)**
**Sidewalk: Width and Type (Right and Left)**: 0.17 | 6′ Concrete Sidewalk | 0.28
**Curb and/or Gutter: Type (Right and Left)**: Conc. Curb 0.06 | 0.07 | Concrete Curb and Gutter | 0.29
**Protective Devices: Type, Location and Number**
**Illumination: Type, Location and Number**
**Curves: Degree of Curvature (Right and Left)**
**Superelevation (Range)**
**Grades: % Grade, Positive or Negative**
**Vertical Curve: Crest or Sag, Curve Limits**
**Area and Development**: U R B A N
**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**: F L A T
**Speed: 1–Design, 2–Posted**: 30 MPH (2)
**Intersection Control Devices: Type, Location and Cycle Timing**
**Traffic Station**: B74 036A 00000 | B74 036A 00032
**HPMS Section**: 0.10 | 0.45
**AADT** (Year 2006): 10,568 | 0.32 16,372 | 0.51
**DOD Sections**
**Census Tracts**
**Functional Classification**: MINOR ARTERIAL
**National Highway System (NHS)**
**Previous Projects: Project No., Date and Limits**
0.32 HWY-M-01-76M 1976
COUNTY 0.33 NRS-17A 1933 AND 1934

SCALE: (In Miles) 20″ = 1 mile

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

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Sept. 04 | D.B |
| Nov. 06 | D.B |

# ROAD INVENTORY

# MAUI RTE 37
# HALEAKALA HWY & KULA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

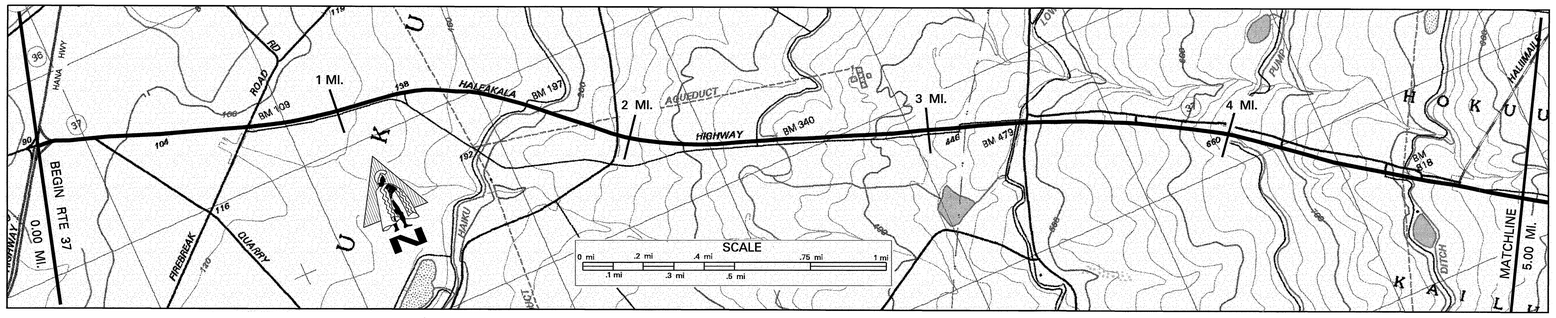
**Total Route Length:** 21.39 miles

**a. Survey Length:** 21.39 miles

**b. Proposed Length:** 0.00 miles

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

*




SCALE: (In Miles) 4" = 1 mile

**Maintenance Control Sections : Length and Description**

Begin 37B on Haleakala Highway at the centerline intersection with Hana Highway — 37B (4.76 MI) — End 37B – Begin 37C on Haleakala Hwy at the centerline with Halimaile Road (4.76)

**Structure Carrying Road**

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

**Structure Over Road**

- Vertical Clearance
- Horizontal Clearance

**Right of Way Width (min.–max.) if varies:** 50' (0.74) 60' (3.95) 120' – 140' (4.76) 140' – 200'

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

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

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

**Jurisdiction, Transfer Phase No. and Date (C to S or S to C):** 0+95 (0.03) – 47+00 (0.90)

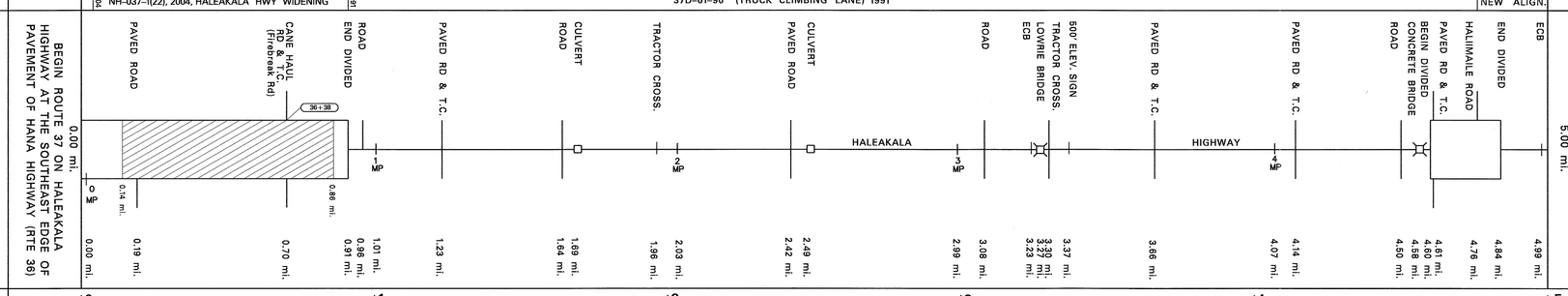
**Project No., Type of Construction, and Year Constructed:** HWY-M-01-06M, RESURFACING, 2007 — 37C-02-90, 1993 (4.76)

**Project No., Type of Construction, and Year Constructed:** NH-037-1(22), 2004, HALEAKALA HWY WIDENING (0.04 – 0.91) — 37D-01-90 (TRUCK CLIMBING LANE) 1991 — NEW ALIGN.

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' AC; 10' AC
- Pavement: Width and Type: 12' AC (0.05); 24' AC; 36' AC; 12' AC; 36' AC
- Shoulder: Width and Type: 0'; 4' AC (0.14); 6' AC; 0'; 10' AC

**Divided Highway – Divided**

- Median: Width and Type: 4'–22' PAINTED AC; 16'–28 GRASS (0.70); 16' GRASS FLUSH (0.86); (0–16' PAINTED AC) (0.91); 12' PAINTED AC (4.63) (4.87)
- Shoulder: Width and Type: 0'; 4' AC
- Pavement: Width and Type: 12' AC (0.05); 24' AC
- Shoulder: Width and Type: 6' AC; 10' AC

**Number of Traffic Lanes:** 2–12'; 4–12'; 1–12'; 1–12' TRUCK CLIMBING LANE

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side):** 1–12' AC (0.05); (0.00); (0.19); (0.28); (0.70); (0.85); 14' (4.66); 12' (4.87)

**(Right Side):** (1–12' (L) TL); 12' (4.67); (4.76)

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

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

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

**Protective Devices: Type, Location and Number** (M/C = metal rails on concrete post): M/C (1.65 – 1.73); M/C (1.76); M/C (2.42 – 2.52); M/C (2.55); M/C (3.20 – 3.24); M/C (3.30); M/C (4.52 – 4.56); M/C (4.82)

**Illumination: Type, Location and Number**

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative:** (0.27) (0.32) 1.60 –2 1.90 2.32 –2 3.20 4.12 –4 4.24

**Vertical Curve: Crest or Sag, Curve Limits:** (CONTRA FLOW, EVES, 3:30 – 6:00 PM) TRAFFIC FLOW (coning begins here) (CONTRA FLOW, MORN., 5:30 – 8:30 AM) TRAFFIC FLOW

**Area and Development:** URBAN (0.18); RURAL

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

**Speed: 1–Design, 2–Posted:** 55 MPH (2); 55 MPH (2) (4.66) (4.76)

**Intersection Control Devices: Type, Location and Cycle Timing:** 3 PHASE (0.70)

**Traffic Station:** B74 0037 00000; B74 0037 00019; B74 0037 00476

**HPMS Section:** 0.12; 4.58

**AADT** (Year 2006): 33,000 (0.18); 30,000; 27,100 (4.76)

**DOD Sections:** DOD 710

**Census Tracts**

**Functional Classification:** MINOR ARTERIAL

**National Highway System (NHS):** NHS

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

- 37D-01-90 (TRUCK CLIMBING LANE) 1991 (4.76)
- 36A-01-82 1983 (INTER IMPROV) → 37CD-01-80M 1980 (RESURFACE) (0.08); (4.92)
- FAP E-5E 1933 (0.08)
- (0.05) FAP E-5E 1932 (0.70); F-037-1(7) 1972 (4.94)

SCALE: (In Miles) 4" = 1 mile

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

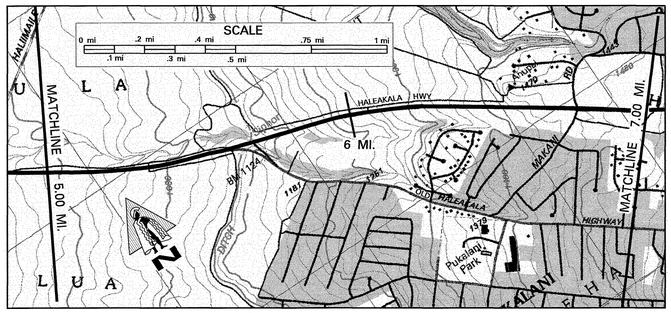
| Revised | |
|---|---|
| Feb., 06 | D.B. |
| Nov., 06 | D.B. |
| Feb., 08 | D.B. |

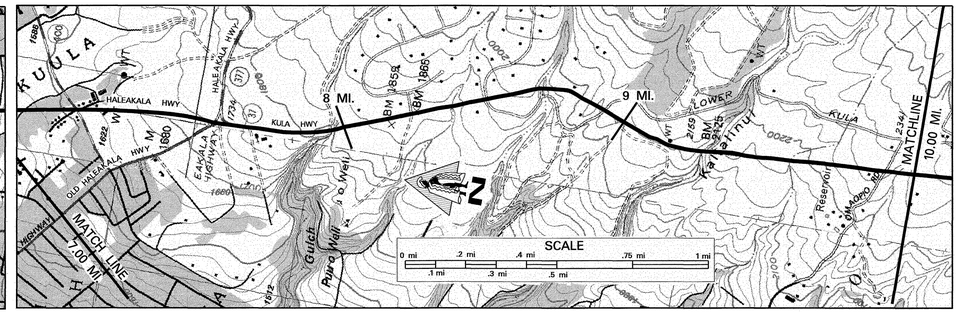
# ROAD INVENTORY
# MAUI RTE 37
# HALEAKALA HWY & KULA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

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




SCALE: (In Miles) 4" = 1 mile

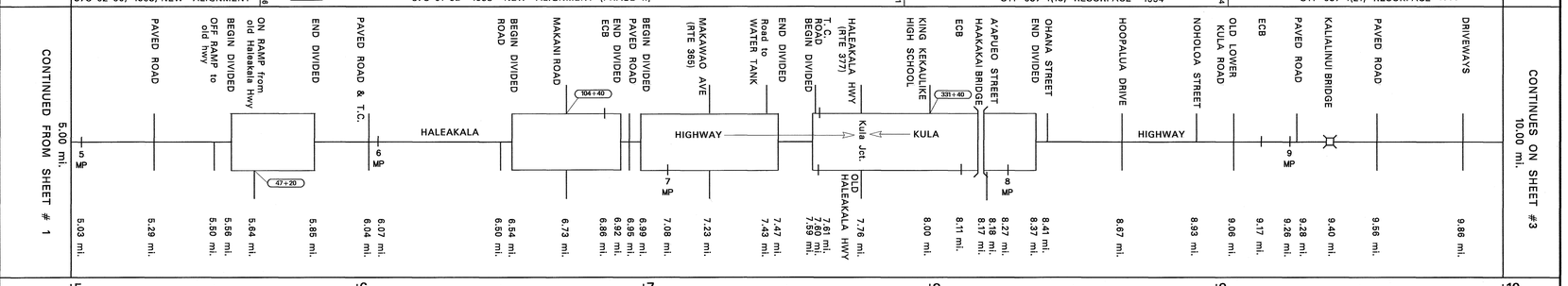
**Maintenance Control Sections : Length and Description**
37C (9.25 MI)

**Structure Carrying Road**
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: CULVERT (2-10') 1964 HS-20 40' (8.17); PRESTRESSED BEAM 1964 HS-20 324' (9.40)
- Vertical Clearance: 24' (8.17); 28' (9.40)
- Horizontal Clearance

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

**Right of Way Width (min.-max.) if varies**: 140' – 200' (7.91); 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 (8.58, 8.77, 8.98, 9.27, 9.38, 9.74, 9.86; 8.68, 8.88, 9.02, 9.07, 9.41)
**Control of Access: 1–None, 2–Partial, 3–Full**: N O N E
**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**: STATE
**Project No., Type of Construction, and Year Constructed**: (HWY-M-01-06M, RESURF., 2007) (STP-037-1(23), INTERSECTION IMPR., 2007) (HWY-M-01-06M, RESURF., 2007) 37CD-01-02M, REPAIR & MAINT., 2004
**Project No., Type of Construction, and Year Constructed**: 37C-02-90, 1993, NEW ALIGNMENT (5.66–6.50) 37C-01-92 1993 NEW ALIGNMENT (PHASE II) (6.50–7.91) STP-037-1(18) RESURFACE 1994 (8.04) STP-037-1(21) RESURFACE 1999

## Road Diagram
* MP = Milepost Signage




SCALE: (In Miles) 4" = 1 mile

**Divided Highway**

| | 5–6 | 6–7 | 7–8 | 8–9 | 9–10 |
|---|---|---|---|---|---|
| **Undivided** | | | | | |
| Shoulder: Width and Type | 10' AC | 10' AC / 10' AC / 10' AC | 10' AC / 10' AC / 10' AC / 10' AC | 10' AC | 6' AC |
| Pavement: Width and Type | 36' AC | 12' AC / 36' AC / 12' AC | 36' AC / 12' AC / 24' AC | 12' AC | 24' AC |
| Shoulder: Width and Type | 10' AC | 0' / 10' AC / 0' | 10' AC / 0' / 10' AC | 0' | 6' AC |
| **Divided** | | | | | |
| Median: Width and Type | 8' PAINT AC | 12' PAINT AC | 12' PAINT AC | 12' PAINT AC | |
| Shoulder: Width and Type | 0' | 0' | 0' | 0' | |
| Pavement: Width and Type | 24' AC | 24' AC | 24' AC | 12' AC | |
| Shoulder: Width and Type | 10' AC | 10' AC | 10' AC | 10' AC / 6' AC | |

**Number of Traffic Lanes**: 1 – 12' (1-12' AND 1-12' TRUCK CLIMBING LANE); 2 – 12'
**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**: 12' (6.72–6.84); 12' (7.22–7.34); 12' (7.78–7.88)
**(Right Side)**: 12' (6.59); 12' (7.13–7.30); 12' (7.65)
**Frontage Road: No. of Lanes, and Width (Right and Left)**
**Sidewalk: Width and Type (Right and Left)**
**Curb and/or Gutter: Type (Right and Left)** ALL GUTTERS 2' AC: 5.85–5.99; 7.42–7.44; 7.89–7.95; 8.20–8.42; 8.42–8.54; 9.05–9.11; 9.21–9.32; 9.86
**Protective Devices: Type, Location and Number**: M/M (5.68–5.99); M/M (7.22–7.44); M/M (7.71–7.78); M/M (8.15–8.19); M/C (8.55–8.65; 8.68–8.88; 9.30–9.35)
**Illumination: Type, Location and Number**
**Curves: Degree of Curvature (Right and Left)**
**Superelevation (Range)**
**Grades: % Grade, Positive or Negative**: –4 (8.16–8.33); –3 (8.46–8.79); –5 (9.02–9.15); –3 (9.46–9.93)
**~~Vertical Curve: Crest or Sag, Curve Limits~~** CONTRA FLOW LANES: CONTRA FLOW 5:30 – 8:30 AM ← TRAFFIC (5.64–5.66)
**Area and Development**: RURAL (5.50); U R B A N (5.66–9.40); RURAL
**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**: FLAT → (5.05); R O L L I N G (5.66–8.23)
**Speed: 1–Design, 2–Posted**: 45 MPH (2); 35 MPH (2) (7.47–7.78); 35 MPH (1) (7.78–8.27); 45 MPH (2)
**Intersection Control Devices: Type, Location and Cycle Timing**: 3 PHASE (6.73); 3 PHASE (7.78); 3 PHASE (8.04)
**Traffic Station**: B74 0037 00476 (5.41); B74 0037 00564 (6.86); B74 0037 00776 (9.11); B74 0037 00940 (9.84)
**HPMS Section**
**AADT** (Year 2006): 27,100 (5.64–6.84); 13,000 (6.84–7.78); 26,900 (7.78–9.40); 12,200 (9.40–10.00)

**DOD Sections**: DOD 705 (7.15–7.49); DOD 700
**Census Tracts**
**Functional Classification**: MINOR ARTERIAL; MAJOR COLLECTOR (7.78)
**National Highway System (NHS)**: N H S
**Previous Projects: Project No., Date and Limits**
- 37C-01-97, 1998 (6.66–6.85)
- 37CD-01-02M, REPAIR & MAINT., 2004 (7.80–10.00)
- 37C-02-90 1993 (NEW ALIGNMENT) (5.66–6.50)
- 37C-02-82 INTER. IMPROV, (6.50–7.54)
- STP-037-1(19) 1996 (6" SHLDR & GUARD RAILS) (9.04–10.00)
- 37C-01-81M 1981 (RESURFACE) (6.50–7.54)
- 37C-01-88M 1988 RESURFACE (9.04–10.00)
- 37C-01-91 1992 RIGHT TURN LANE (6.43–6.84)
- 37CD-01-80M 1980 RESURFACE (7.57–9.05)
- BF-037-1(1) 1962 (9.05–10.00)
- WDRC 14(1) 1948 (7.15–7.43)
- FAP 5B 1929 (7.43–7.60)
- RF-037-1(14) 1970 (7.60–7.78)

SCALE: (In Miles) 4" = 1 mile

| Date Released |
|---|
| Oct 2004 GN |
| **Revised** |
| Nov., 06 D.B. |
| Feb., 08 D.B. |

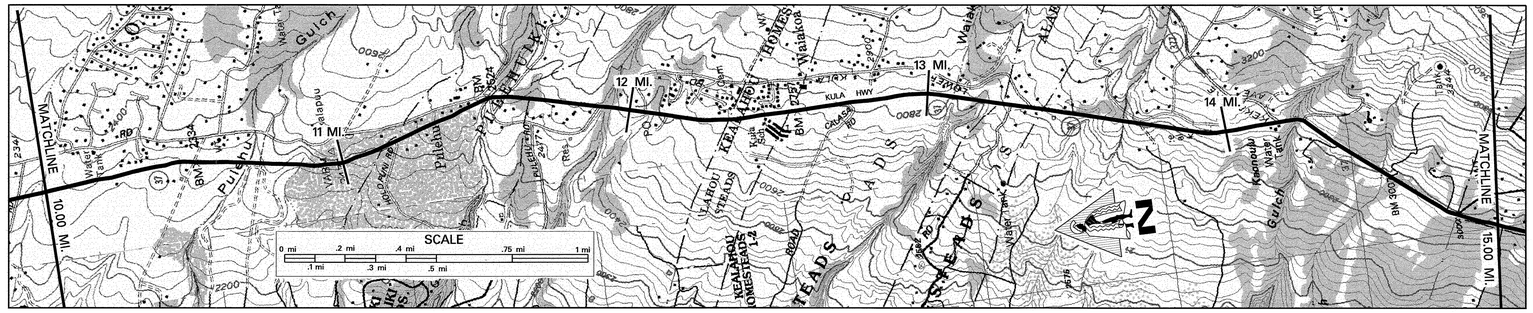
# ROAD INVENTORY
# MAUI RTE 37
# HALEAKALA HWY. & KULA HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

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




SCALE: (In Miles) 4" = 1 mile

| | |
|---|---|
| Maintenance Control Sections : Length and Description | 37C (9.25 MI); 14.25 END 37C – BEG.37D ON KULA HWY AT THE CENTERLINE OF KEKAULIKE AVE |
| Structure Carrying Road – Bridges (Over 20'): Length, Type, Capacity and Year Constructed | PRESTRESSED BEAM 1964, HS-20 164'; RC DECK GIRDER 1933, H-15 75' |
| Structure Carrying Road – Vertical Clearance | |
| Structure Carrying Road – Horizontal Clearance | 28'; 24' |
| 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 12.98 13.19 13.80 13.90 14.36 14.77; RESIDENTIAL |
| Right of Way Fence: Type – Right and Left (All fences: Wire on Wood (unless indicated)) | NONE |
| Control of Access: 1–None, 2–Partial, 3–Full | STATE |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | 37CD–01–02M, REPAIR & MAINT., 2004 |
| Project No., Type of Construction, and Year Constructed | STP–037–1(21) RESURFACE 1999; 14.33 STP–037–1(18) WIDEN & RESURFACE 1994 |

## Road Diagram
* MP=Milepost Signage

CONTINUED FROM SHEET # 2 — 10.00 mi.

OMAOPIO ROAD; KEONI PLACE; BEGIN DIVIDED; ROAD TO ENCHANTING GARDENS (10 MP); END DIVIDED; NAELE ROAD; PAVED ROAD; KULA HIGHWAY; 11 MP; HOLOPUNI ROAD; ECB; KE STREET; LOWER KULA ROAD; KAMEHAMEIKI ROAD; KEAHUAIWI BRIDGE; POST OFFICE ROAD; LOWER KULA ROAD; 12 MP; KULA ELEM. SCHOOL; KULA ELEM. SCHOOL; CALASA ROAD; COPP ROAD; NAALAE ROAD; 13 MP; CULVERT; CULVERT; CULVERT; LOWER KULA ROAD; KEKAULIKE AVE (Route 377); KAIPOIOI BRIDGE; 14 MP; CULVERT; POLIPOLI ROAD

10.03 mi. 10.12 mi. 10.20 mi. 10.25 mi. 10.33 mi. 10.45 mi. 10.63 mi. 10.85 mi. 11.31 mi. 11.37 mi. 11.29 mi. 11.28 mi. 11.45 mi. 11.66 mi. 11.78 mi. 12.02 mi. 12.17 mi. 12.23 mi. 12.29 mi. 12.58 mi. 12.68 mi. 12.85 mi. 12.95 mi. 13.30 mi. 13.39 mi. 13.76 mi. 13.88 mi. 13.99 mi. 14.10 mi. 14.25 mi. 14.30 mi. 14.33 mi. 14.65 mi. 14.97 mi.

CONTINUES ON SHEET #4 — 15.00 mi.

| | |
|---|---|
| SCALE: (In Miles) 4" = 1 mile | |
| Divided Highway – Undivided – Shoulder: Width and Type | 6' AC; 2' – 6' AC |
| Divided Highway – Undivided – Pavement: Width and Type | 24' AC; 12' AC; 24' AC; 14.33 22' AC |
| Divided Highway – Undivided – Shoulder: Width and Type | 6' AC; 0; 6' AC; 2' – 6' AC |
| Divided Highway – Median: Width and Type | 10.20 12' PAINT 10.48 |
| Divided Highway – Shoulder: Width and Type | 0 |
| Divided Highway – Pavement: Width and Type | 12' AC |
| Divided Highway – Shoulder: Width and Type | 6' AC |
| Number of Traffic Lanes | 2 – 12'; 14.33 2 – 11' |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | 10.27 10.40 |
| (Right Side) | 10.27 10.33 |
| Frontage Road: No. of Lanes, and Width (Right and Left) | |
| Sidewalk: Width and Type (Right and Left) | 10.02 10.16 10.32 10.46 10.54 11.08 11.15 11.49 11.57 12.57 12.69 12.77 12.92 13.00 13.06 13.66 13.82 14.27 14.30 14.36 14.51 14.53 14.61 14.65 14.67 14.81 14.98 |
| Curb and/or Gutter: Type (Right and Left) (ALL GUTTERS 2' AC) | CONC. GUTTER 12.30 12.41 12.45 |
| Protective Devices: Type, Location and Number (METAL ON METAL / METAL ON CONCRETE) | M/C 10.50 10.55 10.95 11.03 11.06 11.14 11.20 11.25 11.31 11.37; M/C 12.40 12.45 12.73 12.77 13.39 13.44 13.63 13.67 14.20 14.37 14.56 14.70 14.86 14.99 |
| Illumination: Type, Location and Number | |
| Curves: Degree of Curvature (Right and Left) | |
| Superelevation (Range) | |
| Grades: % Grade, Positive or Negative | 10.18 0 10.48 10.70 –2 10.98 11.26 –5 11.48 12.16 –5 12.32 12.49 –5 12.77 13.23 –4 13.36 13.39 –3 13.59 14.57 +4 14.73 14.78 –1 14.90 |
| Vertical Curve: Crest or Sag, Curve Limits | |
| Area and Development: | RURAL |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | ROLLING |
| Speed: 1–Design, 2–Posted | 45 MPH (2); 12.49 20 MPH (2) 12.54 12.79 12.80; 45 MPH (2); 14.22 14.32 35 MPH (2) |
| Intersection Control Devices: Type, Location and Cycle Timing | |
| Traffic Station | (B74 0037 00940); B74 0037 01003; B74 0037 01268; B47 0037 01425; (B47 0037 01497) |
| HPMS Section | 12.28; 13.84; 14.88 |
| AADT (Year 2006) | (12,200); 10.03 7,300; 12.68 5,200; 14.25 5,100 14.97; (2,600) |
| DOD Sections | 14.25 |
| Census Tracts | |
| Functional Classification | MAJOR COLLECTOR |
| National Highway System (NHS) | |
| Previous Projects: Project No., Date and Limits | |
| | 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 | |

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Nov., 06 | D.B. |

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

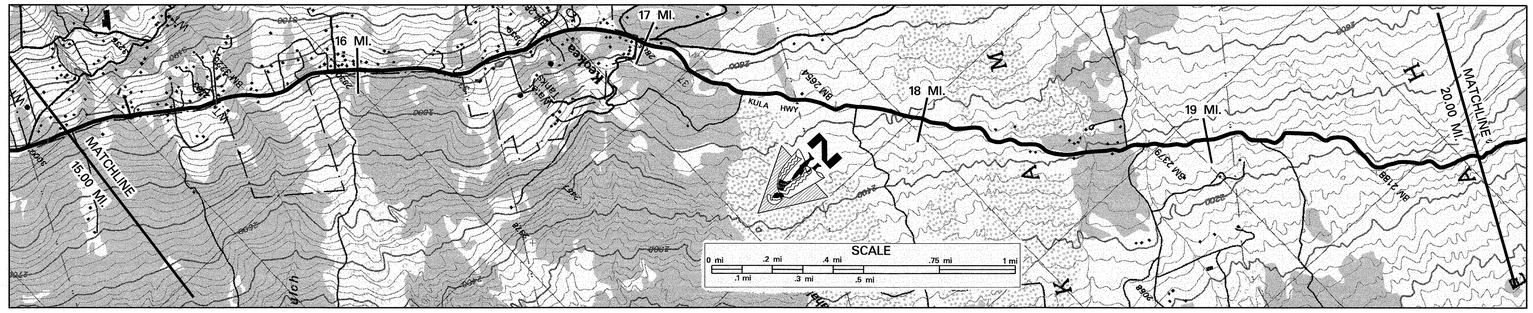
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

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

*




SCALE: (In Miles) 4" = 1 mile

15 | 16 | 17 | 18 | 19 | 20

**Maintenance Control Sections : Length and Description**
- 37D (2.77 MI)
- 17.02: End 37D on Kula Hwy. at the centerline intersection w/ Kula Sanitorium Road

**Structure Carrying Road**
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: RC DECK GIRDER 1933, H-15; 23' / 25'
- Vertical Clearance
- Horizontal Clearance: 22' / 22'

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

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

**Available Right of Way Width (Needs Study):** RESIDENTIAL (15.98, 16.25, 16.42, 17.14, 17.67); BRUSH AND PASTURE LAND

**Right of Way Fence: Type – Right and Left** (All fences: Wire on Wood unless indicated): STONEWALL; WIRE / WOOD AND STONEWALL (16.49, 17.03, 17.40, 18.32, 18.60, 18.67, 18.76)

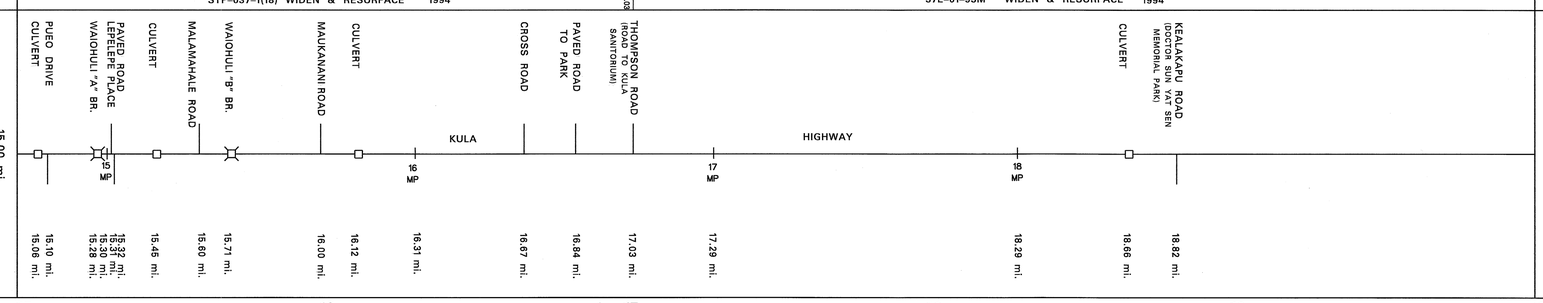
**Control of Access: 1–None, 2–Partial, 3–Full**

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

**Project No., Type of Construction, and Year Constructed:** 37CD–01–02M, REPAIR AND MAINTENANCE, 2004 (17.29)

**Project No., Type of Construction, and Year Constructed:** STP–037–1(18) WIDEN & RESURFACE 1994; 37E–01–93M WIDEN & RESURFACE 1994 (17.03)

## Road Diagram
* MP = Milepost Signage




SCALE: (In Miles) 4" = 1 mile

15 | 16 | 17 | 18 | 19 | 20

**Divided Highway – Undivided**
- Shoulder: Width and Type: 2' – 6' AC
- Pavement: Width and Type: 22' AC (17.03) 18' AC
- Shoulder: Width and Type: 2' – 6' AC (17.03) 2' AC

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

**Number of Traffic Lanes:** 2 – 11' (17.03) 2 – 9'

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

**(Right Side)**

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

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

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

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

**Illumination: Type, Location and Number:** INCANDESCENT (17.00)

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

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

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

**Area and Development:** RURAL

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

**Speed: 1–Design, 2–Posted:** 35 MPH (2) (16.73) NOT POSTED

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

**Traffic Station:** B74 0037 01497 (16.91); B74 0037 01703 (17.95)

**HPMS Section**

**AADT** (Year 2006): 2,600 (17.03) 1,400

**DOD Sections**

**Census Tracts**

**Functional Classification:** MAJOR COLLECTOR

**National Highway System (NHS)**

**Previous Projects: Project No., Date and Limits**
- 37D–01–75 1978 (WIDEN AND RESURFACE) (17.03)
- FAP 13A, 1932 (16.56); FAP E-13A 1932 (17.01); COUNTY

SCALE: (In Miles) 4" = 1 mile

15 | 16 | 17 | 18 | 19 | 20

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Nov., 06 | D.B. |

# ROAD INVENTORY

# MAUI RTE 37
# HALEAKALA HWY & KULA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

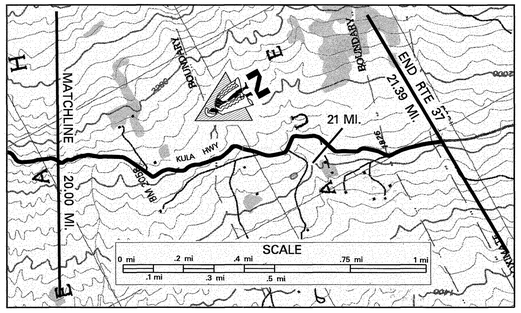
**Total Route Length:** 21.39 **miles**

**a. Survey Length:** 21.39 **miles**

**b. Proposed Length:** 0.00 **miles**

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

*



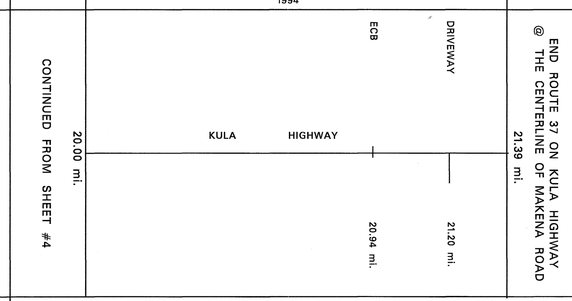

SCALE: (In Miles) 4" = 1 mile

| | | |
|---|---|---|
| Maintenance Control Sections : Length and Description | | |
| 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 (20.98) / WIRE ON WOOD |
| Control of Access: 1–None, 2–Partial, 3–Full | | |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | | STATE |
| Project No., Type of Construction, and Year Constructed | | 37E-01-93M RESURFACE |
| Project No., Type of Construction, and Year Constructed | | 1994 |

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 | 2' AC |
| | Pavement: Width and Type | 18' AC |
| | Shoulder: Width and Type | 2' AC |
| | Median: Width and Type | |
| | Shoulder: Width and Type | |
| | Pavement: Width and Type | |
| | Shoulder: Width and Type | |
| Number of Traffic Lanes | | 2 – 9' |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | | |
| (Right Side) | | |
| Frontage Road: No. of Lanes, and Width (Right and Left) | | |
| Sidewalk: Width and Type (Right and Left) | | |
| Curb and/or Gutter: Type (Right and Left) | | |
| Protective Devices: Type, Location and Number | | |
| Illumination: Type, Location and Number | | |
| Curves: Degree of Curvature (Right and Left) | | |
| Superelevation (Range) | | |
| Grades: % Grade, Positive or Negative | | |
| Vertical Curve: Crest or Sag, Curve Limits | | |
| Area and Development: | | RURAL |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | | ROLLING |
| Speed: 1–Design, 2–Posted | | NOT POSTED |
| Intersection Control Devices: Type, Location and Cycle Timing | | |
| Traffic Station | | B74 0037 01703 |
| HPMS Section | | |
| AADT (Year 2006) | | 1,400 (21.39) |
| DOD Sections | | |
| Census Tracts | | |
| Functional Classification | | MAJOR COLLECTOR |
| National Highway System (NHS) | | |
| Previous Projects: Project No., Date and Limits | | COUNTY |

SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Nov., 06 | D.B. |

# ROAD INVENTORY

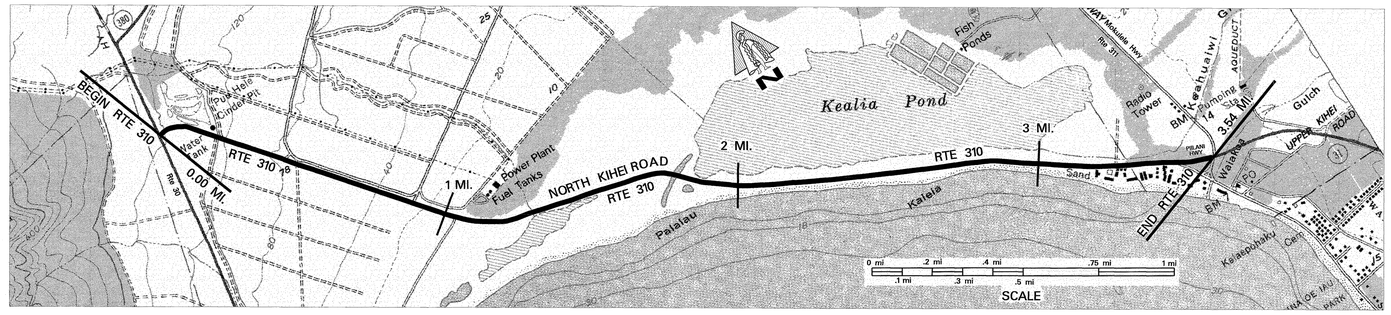
# MAUI RTE 310
# NORTH KIHEI ROAD, PIILANI HWY

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 Designated Route Length: | 3.54 | MILES (a+b) |
| a. Existing Length: | 3.54 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 3.54 | MILES (a+b, less c) |
| a. Existing Length: | 3.54 | 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**

0.00 Begin 310A on North Kihei Road @ End Divided Hwy — 310A (0.78mi.) — 0.88 End 310A, 0.88 Miles from Begin Rte 310 — None for County — 3.54

**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' (0.09–0.16) 60' (0.16–0.87) 40' (0.87–3.34) 105' (3.34–3.41) 120'–140' (3.41–3.54)

**Available Right of Way Width (Needs Study)**: 1000' Clear, Cane Field 30' from Pavement (0.00–1.02) Ranch & Pasture (L), Beach (R) (1.02–3.34) Resort Area (3.34–3.54)

**Right of Way Fence: Type – Right and Left**: Wire (0.78–1.34) Wire (1.62–2.34) Wire (2.49–3.34)

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

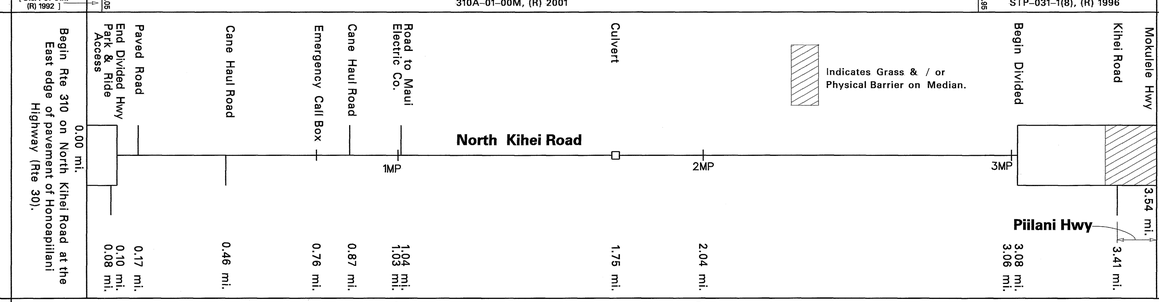
**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**: STATE (0.00–3.54); 488+64; 513+20

**Project No., Type of Construction, and Year Constructed**: [ BR-NH-030-1(24) New Alignment, 2002 ] (0.78–3.28); STP-0900(58),G.R. & SHLDR. IMP., 2004 (3.28–3.54)

**Project No., Type of Construction, and Year Constructed**: [ 310A-01-91M (R) 1992 ] (0.00–0.05); 310A-01-00M, (R) 2001 (0.05–2.95); STP-031-1(8), (R) 1996 (2.95–3.54)

## Road Diagram

* MP = Milepost Signage




SCALE: (In Miles) 4" = 1 mile

**Divided Highway — Undivided**

- Shoulder: Width and Type: 10' AC (0.00–0.16); 6' AC; 10' AC
- Pavement: Width and Type (Note: Pavement Widths Include Turning Lanes from 0.00 to 0.10): (42' AC) 36' AC (0.03–0.10) 24' AC; 22' AC; 12' AC
- Shoulder: Width and Type: 0 (0.00–0.03); 6' AC; 0'; 2' AC

**Divided Highway — Median**

- Median: Width and Type: 0'–10' Painted AC (0.10–3.08); 0'–12' Painted AC (3.08–3.37); 8'–12' Grass w/ Raised Curb
- Shoulder: Width and Type: 0 (0.00–0.03); 0'
- Pavement: Width and Type (Note: Pavement Widths Include Turning Lanes from 0.00 to 0.10): (16' AC) 24' AC (0.03–0.08) (12' AC); 12' AC
- Shoulder: Width and Type: 10' AC (0.08–0.15); 10' AC

**Number of Traffic Lanes**: (3–14') (1–16') 3–12' 1–12' (0.15–0.48); 2–11'; (2–12') 2–12'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**: 1–14' (R) TL; 2–14' (L) TL; 1–12' (R) TL; 2–12' (L) TL (0.48–0.60); All 12' Turning Lanes (3.35–3.46)

**(Right Side)**: 1–12' (R) TL (0.00–0.03); Two-Way (L) Turning Lanes (3.35–3.71); All 12' Turning Lanes (3.71–3.46)

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

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

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

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

**Illumination: Type, Location and Number**: 4 M.V. (3.35–3.41)

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**: –3 (0.00–1.20) 0 (1.20–1.64) –1 (2.00–2.25) 0 (2.38–2.70)

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

**Area and Development**: Rural (0.00–1.75); Urban (1.75–3.54)

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

**Speed: 1–Design, 2–Posted**: 45 MPH (2) (0.00–3.02); 30 MPH (2) (3.02–3.54)

**Intersection Control Devices: Type, Location and Cycle Timing**: 3 Phase (0.00); 3 Phase (3.54)

**Traffic Station**: B74 0310 00000 (0.00–1.75); B74 0310 00175 (1.75–3.10); B74 0310 00310 (3.10–3.54)

**HPMS Section**: 0.76; 2.04; 3.25

**AADT** (Year 2006): 18,500 (0.00–1.75); 12,200 (1.75–3.10); 18,100 (3.10–3.54)

**DOD Sections**

**Census Tracts**

**Functional Classification**: Minor Arterial

**National Highway System (NHS)**

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

310A-01-91M (R), 1992
HWY-M-02-76M (R) 1976 — County — [ TQF-RF-031-1(6), 1981 (New Construction) ] (3.32)
WDRC 14(1) 1948

SCALE: (In Miles) 4" = 1 mile

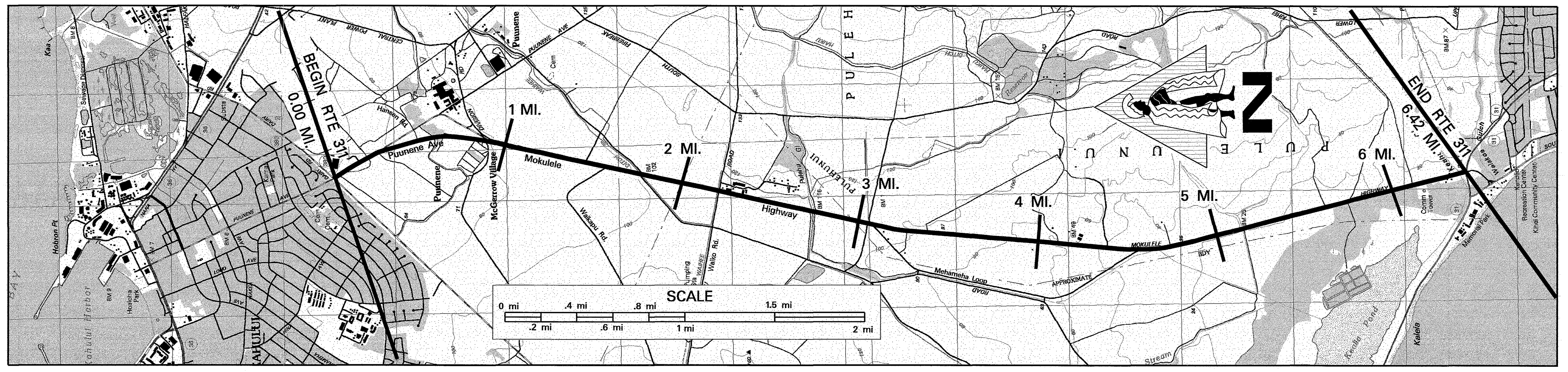
| Date Released | |
|---|---|
| July 2002, DB | |
| **Revised** | |
| Aug. 04 | D.B. |
| Nov., 06 | D.B. |
| Mar., 08 | D.B. |

# ROAD INVENTORY
# MAUI RTE 311
# PUUNENE AVENUE, MOKULELE HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

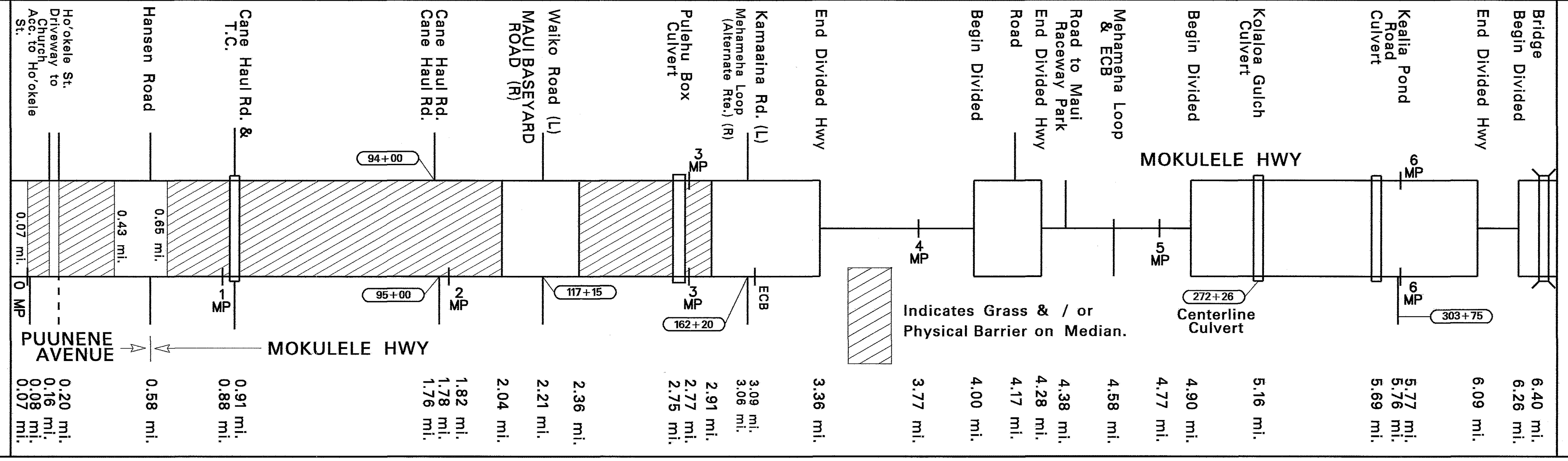
PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**Total Route Length:** 6.42 miles
**a. Survey Length:** 6.42 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles
*



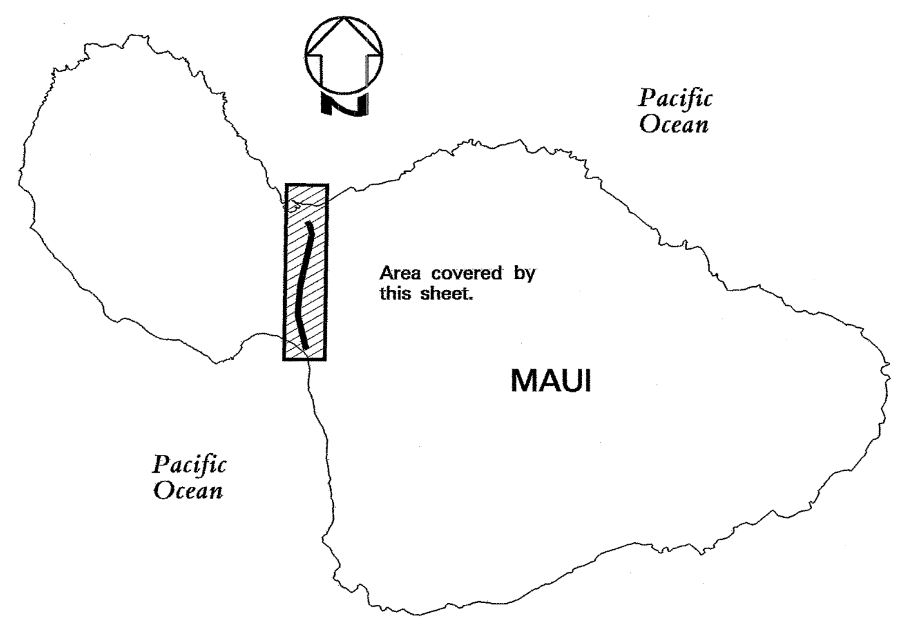
SCALE: (In Miles) 2" = 1 mile

| Item | Entries (by mile) |
|---|---|
| Maintenance Control Sections : Length and Description | |
| Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed | 10 CELL, CONC. BOX CULVERT 134'–3" (2.75); 8 Cell Conc. Box Culvert 107' (5.16); 3 Cell Conc. Box Culvert 30' (5.69); Conc. Slab 17'– 5" |
| Vertical Clearance | 2.75; 5.16; 5.69 |
| Horizontal Clearance | 106'–8"; 106'; 106'; 36' |
| Structure Over Road — Vertical Clearance | |
| Horizontal Clearance | |
| Right of Way Width (min.–max.) if varies | 200' – 218' \| 3.43 \| 40' \| 4.90 \| 240' \| 6.13 \| 40' |
| Available Right of Way Width (Needs Study) | |
| Right of Way Fence: Type – Right and Left | 2.21–2.41 Chain Link; 5.66 Wire on Wood Posts |
| Control of Access: 1–None, 2–Partial, 3–Full | None |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | State; 70+00; 181+15.32; 258+50; 323+13.19 |
| Project No., Type of Construction, and Year Constructed | 1.32 \| NH–0311(5), WIDENING, 2005 \| 3.43; 4.90 \| NH–311–(7), WIDENING, 2006 \| 6.13 |
| Project No., Type of Construction, and Year Constructed | NH–A311(3), Widening, 2003 \| 1.41 \| 311A–01–93M, Resurf., 1993 |



## Road Diagram

* MP=Milepost Signage



SCALE: (In Miles) 2" = 1 mile

| Item | Entries (by mile) |
|---|---|
| Divided Highway — Shoulder: Width and Type | 8' AC \| 3.40 \| 4' AC \| 8' AC \| 6.03 \| 4' AC |
| Pavement: Width and Type | 24' AC \| 3.26 \| 12' AC \| 22' AC \| 11' AC \| 22' AC \| 4.87 \| 12' AC \| 24' AC \| (Taper 24'–12' AC) (24' AC) \| 22' AC \| 11' AC |
| Shoulder: Width and Type | 0 \| 0.07 \| (16' AC Paint) 4' AC \| 0 \| 4' AC \| 0 \| 3.18 \| 3.31 \| 3.40 \| 4' AC \| 0 \| 4' AC \| 0 \| 4' AC \| (8' AC) \| 4' AC \| 0 |
| Median: Width and Type | 12' AC \| 16' Grs. \| 0.20 \| 16' Grs. \| 0.43 \| 12' AC \| 0.65 \| 16' Grass \| 2.04 \| 12' Paint AC \| 2.36 \| 16' Grass \| 2.91 \| 12' Painted AC \| (0'–12' Painted AC) \| (12'–24' Painted AC) \| (8' AC) \| 4.00 \| 9' Painted AC \| 4.28 \| (24' AC) \| 4.90 \| 4.99 \| (0–16' Painted AC) \| 16' Grass \| 5.76 \| 24' Painted AC \| 6.09 \| 6.26 \| (0–10' Painted AC) |
| Shoulder: Width and Type | 0.16 \| 4' AC \| 0 \| 4' AC \| 0 \| 0 \| 0 \| 4' AC \| 0 |
| Pavement: Width and Type | 24' AC \| (Taper 24'–12') \| 12' AC \| 3.36 \| 11' AC \| 12' AC \| 24' AC \| 6.02 \| 11' AC |
| Shoulder: Width and Type | 8' AC \| 3.18 \| 3.26 \| 4' AC \| 4' AC \| 8' AC \| (Taper 24'–12' AC) \| 4' AC |
| Number of Traffic Lanes | 0.16 \| 0.20 \| 4–12' \| (2–12') \| 2–11' \| 4.87 \| 2–12' \| 4.99 \| 4–12' \| (2–12') \| 6.13 \| 2–11' |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) (All Turning Lanes 12') | 0.31; 0.58; 0.73; 2.36; 2.91; 3.06; 6.39 |
| (Right Side) (All Turning Lanes 12') | 0.09; 0.16; 0.20; 0.40; 0.68; 2.04; 2.21; 2.92; 3.21; 3.22; 4.06–4.17 9' (L) T.L. |
| Frontage Road: No. of Lanes, and Width (Right and Left) | (12' AC Bike Route) \| 0.20 \| 10' AC Bike Route \| 1.37 |
| Sidewalk: Width and Type (Right and Left) | |
| Curb and/or Gutter: Type (Right and Left) | |
| Protective Devices: Type, Location and Number | Metal on Metal 5.10–5.14; 5.63–5.67; 5.86–6.13; 6.39 Metal on Metal |
| Illumination: Type, Location and Number | 11 HPS \| 1.50 \| 3 MV |
| Curves: Degree of Curvature (Right and Left) | |
| Superelevation (Range) | |
| Grades: % Grade, Positive or Negative | |
| Vertical Curve: Crest or Sag, Curve Limits | |
| Area and Development: | Urban \| 2.21 \| Rural \| 5.75 \| Urban |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | Flat |
| Speed: 1–Design, 2–Posted | 30 MPH (2) \| 0.54 \| 0.63 \| 45 MPH (2) \| 3.01 \| 3.13 (35 MPH (1)) \| 3.43 \| 3.47 \| 45 MPH (2) \| (35 MPH (1)) 5.74 \| 5.98 \| 6.15 \| 6.17 (45 MPH (2)) \| 6.28 (30 MPH (2)) |
| Intersection Control Devices: Type, Location and Cycle Timing | 4 Phase \| 0.58 \| 4 Phase \| 2 Phase \| 3 Phase 2.21 \| 3 Phase 3.06 |
| Traffic Station | 0.00 B74 0311 00000 \| 0.91 B74 0311 00067 \| B74 0311 00230 \| B74 0311 00336 \| B74 0311 00584 \| (B74 0311 00626) |
| HPMS Section | 0.43 \| 1.82 \| 3.36 \| 3.77 \| 6.00 \| 6.40 |
| AADT (Year 2006) | 17,000 \| 0.67 \| 28,400 \| 2.30 \| 28,600 \| 5.84 \| 28,400 \| 6.26 \| (28,400) \| 6.42 |
| DOD Sections | |
| Census Tracts | |
| Functional Classification | Principal Arterial |
| National Highway System (NHS) | NHS |
| Previous Projects: Project No., Date and Limits | 311A–02–93 Imprv. 1994 \| 0.68 \| 1.80 \| RS–0311(1), Resurf., 1986 \| 4.98 \| SOS–0900(21), 1984 Safety Imprv.<br>0.67 \| 311A–01–93M, Resurf., 1993<br>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. |

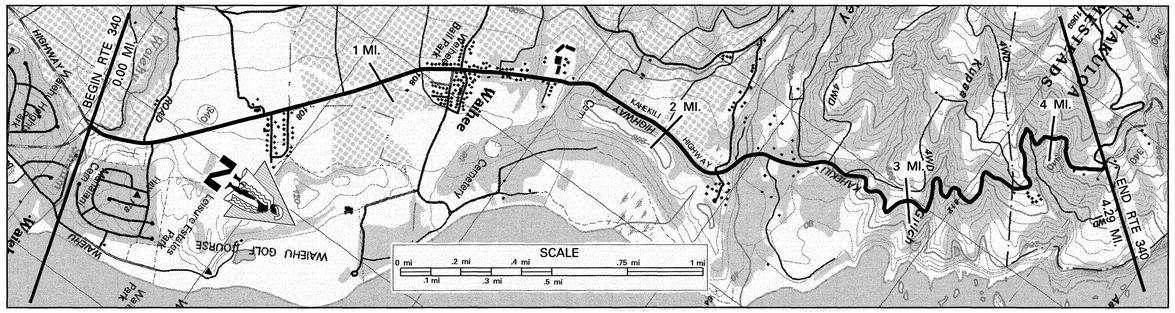
Sheet 1 of 1 MAUI RTE 311

# ROAD INVENTORY
# MAUI RTE 340
# KAHEKILI HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

**Total Route Length:** 4.29 miles
**a. Survey Length:** 4.29 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles
*




SCALE: (In Miles) 4" = 1 mile

**Maintenance Control Sections : Length and Description**

Begin 340 C on Kahekili Hwy 350' South of centerline intersection with Waiehu Beach Rd. — 340 C (2.49 MI) — 2.42 — 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' | PRESTRESSED BEAM 1967 HS20 245' |
| Vertical Clearance | | |
| Horizontal Clearance | 24' | 28' |

**Structure Over Road**

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

| | | | | | |
|---|---|---|---|---|---|
| Right of Way Width (min.–max.) if varies | 70' – 240' | 2.00 | 80' – 200' | 2.42 | 40' |
| Available Right of Way Width (Needs Study) | CLEAR 1000' SUGAR, 25' FROM PAVEMENT | 1.33 | RES. AREA | 1.62 | HEAVY BRUSH AND TREES / PASTURE BEYOND |
| Right of Way Fence: Type – Right and Left | CHAINLINK 10' FROM PAVEMENT | 1.14 | 1.22 | | |
| Control of Access: 1–None, 2–Partial, 3–Full | NONE | | | | |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | STATE (0+00 – 226+50) | | | | |
| Project No., Type of Construction, and Year Constructed | 340D–01–05M, RESURF., 2007 | | | | |
| Project No., Type of Construction, and Year Constructed | 0.28 (3400B–01–97M, RESURFACE, 1998) | | 340D–01–93M, RESURFACE, 1994 | | |

## Road Diagram

* MP = Milepost Signage

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

0.00 mi.

| Mile | Feature |
|---|---|
| 0.02 mi. | ECB WAIEHU STR. CULVERT |
| 0.05 mi. | HOAUNA STREET |
| 0.13 mi. | MALAIHI ROAD |
| 0.18 mi. | RD TO CEMETERY |
| 0.21 mi. | 3 MP (11+20) |
| 0.34 mi. | NA WAIEHA PL.– BEGIN DIVIDED |
| 0.41 mi. | END DIVIDED |
| 0.44 mi. | AKAKUU STREET |
| 0.51 mi. | KOHOMUIA STREET |
| 0.62 mi. | CULVERT |
| 0.67 mi. | KAHEKILI HIGHWAY |
| 0.92 mi. | CULVERT |
| 1.24 mi. | VUILPOHAKU ROAD |
| 1.26 mi. | KUHINIA ROAD |
| 1.28 mi. | HALEWAIU ROAD |
| 1.37 mi. | 4 MP |
| 1.51 mi. | PAVED ROAD |
| 1.53 mi. | PAVED ROAD |
| 1.78 mi. | UNPAVED ROAD |
| 1.80 mi. | UNPAVED ROAD |
| 1.87 mi. | CULVERT |
| 2.01 mi. | UNPAVED ROAD |
| 2.10 mi. | ECB |
| 2.21 mi. | OK PLACE (WAIHEE VALLEY RD) |
| 2.30 mi. | PAVED ROAD |
| 2.37 mi. | WAIHEE BRIDGE #2 |
| 2.42 mi. | 5 MP |
| 2.42 mi. | PAVED ROAD |
| 2.64 mi. | CULVERT |
| 3.19 mi. | CULVERT |
| 3.31 mi. | CULVERT |
| 3.36 mi. | ECB |
| 3.50 mi. | CULVERT |
| 3.69 mi. | CULVERT |
| 3.87 mi. | CULVERT |
| 4.05 mi. | 6 MP (177+20) |
| 4.14 mi. | CULVERT |
| 4.29 mi. | RD TO CAMP MALUHIA |

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

4.29 mi.

SCALE: (In Miles) 4" = 1 mile

**Divided Highway**

| | | | | | |
|---|---|---|---|---|---|
| Undivided — Shoulder: Width and Type | 6' AC | 2' AC | 0 | 2' AC | 2' AC & 10' Grass / 2' AC | 2' – 4' AC |
| Undivided — Pavement: Width and Type | 24' AC | 18' AC / 9' AC | 18' AC | 24' AC / 18' AC / 25' AC | 18' AC | 24' AC | 18' AC |
| Undivided — Shoulder: Width and Type | 6' AC | 2' AC | 0 | 2' AC / 6' Grass | 2' AC | 2' AC & 10' Grass / 2' AC | 2' – 4' AC |
| Median: Width and Type | | 0' – 6' PAINT | | | | | |
| Shoulder: Width and Type | | 0 | | | | | |
| Pavement: Width and Type | | 9' AC | | | | | |
| Shoulder: Width and Type | | 2' AC | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Number of Traffic Lanes | 2 – 12' | 2 – 9' | 2-12' / 2 – 9' (1-14' (L), 1-11' (R)) | 2 – 9' | 2 – 12' | 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) | | | 4' CONC. | | | |
| Curb and/or Gutter: Type (Right and Left) AC CURBS | | | | 6' CONC. GUTTERS | 3' CONC. GUTTERS | 3' AC GUTTER |
| Protective Devices: Type, Location and Number METAL RAILS ON CONCRETE POSTS | | | | | | |
| Illumination: Type, Location and Number | | | 7 MV | | 1 MV | |
| Curves: Degree of Curvature (Right and Left) | | | | | | |
| Superelevation (Range) | | | | | | |
| Grades: % Grade, Positive or Negative | | | | | | |
| Vertical Curve: Crest or Sag, Curve Limits | | | | | | |
| Area and Development: | RURAL | | | | | |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | ROLLING | FLAT | ROLLING | | MOUNTAINOUS | |
| Speed: 1–Design, 2–Posted | 35 MPH (2) | 30 MPH (2); 35 MPH (2); 30 MPH (2); (25 MPH (2)) | 20 MPH (2) | | NOT POSTED; 20 MPH (2) | |
| Intersection Control Devices: Type, Location and Cycle Timing | | | | | | |
| Traffic Station | B74 0340 00000 | | B74 0340 00124 | | B74 0340 00221 | B74 0340 00242 |
| HPMS Section | 0.92 | | 1.37 | | 2.30 | 3.36 |
| AADT (Year 2006) | 4,800 | | 5,000 | | 1,700 | 1,100 |
| DOD Sections | | | | | | |
| Census Tracts | | | | | | |
| Functional Classification | MAJOR COLLECTOR | | | | | |
| National Highway System (NHS) | | | | | | |
| Previous Projects: Project No., Date and Limits | S–0341(3) 1966 | COUNTY | | | S–0330(2) 1967 | COUNTY |

SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Nov. 06 | D.B. |
| Feb. 08 | D.B. |

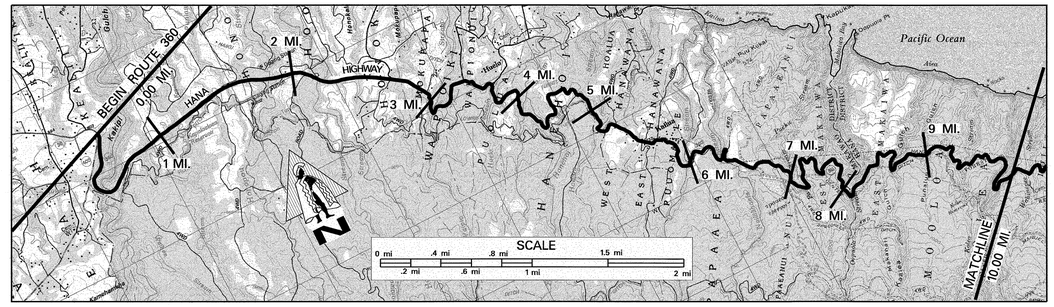
# ROAD INVENTORY
# MAUI RTE 360
# HANA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

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




SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description: 36 C (5.87 mi.) (Old FAP 36) | 5.87 | 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: 0.46 | 2.14 | 5.09 | 5.86 | 6.22 | 7.94 | 8.24 | 8.57 | 9.88

Horizontal Clearance: 24' | 24' | 16' | 20' | 19' | 20' | 16' | 15' | 12'

**Structure Over Road**

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 80'–360' | 0.76 | 80'–160' | 2.19 | 50'–135' | 4.92 | 50' | 5.87 | 40'

Available Right of Way Width (Needs Study): Cliffs / Pasture Area | Res. Area 5.49 | Bushes & Trees

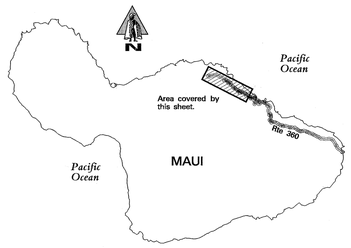
Right of Way Fence: Type – Right and Left (W/W = Wire on Wood): Wire 2.71–2.89; W/W 3.65–3.98; W/W 4.70–4.86; W/W 5.89–6.03; W/W 6.42–6.77; W/W 6.89–6.75; W/W 8.30–8.44; W/W 8.73–8.80; W/W 8.87–8.94; W/W 9.44–9.65

Control of Access: None

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

Project No., Type of Construction, and Year Constructed: 360A–01–94M, 1995 (Resurfacing & Improvements) | (360A–02–05M, (R), 2007) 9.43 → 351+00

Project No., Type of Construction, and Year Constructed: STP–0900(39), (R) 1996 | 3.31 | 360A–01–80, 1981 | 4.23 | 360A–01–82, 1983 (Imprv.) & 360A–01–83M, 1983 (Resurfacing)




**Road Diagram**
* MP = Milepost Signage

BEGIN RTE 360 ON HANA HIGHWAY AT THE CENTERLINE OF JUNCTION WITH KAUPAKULUA ROAD (SAME AS END RTE 36). 0.00 mi.

HANA HIGHWAY

Road Culvert Road 0.42 mi. | Road 0.45 mi. | Road 0.52 mi. | Road 0.69 mi. | Road 1.02 mi. | Road 1.67 mi. | Uaiena Lp. 1.89 mi. | Hoolawa Br. 2.01 mi. | Uaiena Loop 2.03 mi. | Honokala 2.63 mi. | E. Waipio Rd. 3.01 mi. | Culvert 3.38 mi. | Hoolua Bridge 3.96 mi. | Culvert 4.27 mi. | Driveway 4.94 mi. | Kailua Bridge 5.09 mi. | Naiilihaele Br. 5.43 mi. | PA Culvert 5.71 mi. | Oopuola Br. 5.86 mi. | Makanali Br. 6.22 mi. | Kaaiea Br. 6.91 mi. | Kolea Culvert 7.06 mi. | Culvert 7.84 mi. | Waikamoi Br. Trail (R) 7.89 mi. | Waikamoi Br. 8.24 mi. | 8.57 mi. | 8.92 mi. | 9.16 mi. | 9.28 mi. | 9.48 mi. | 9.88 mi.

MP 1 | MP 2 | MP 3 | MP 4 | MP 5 | MP 6 | MP 7 | MP 8 | MP 9 | MP 10 | 374+56 | 9.92

CONTINUED ON SHEET #2.

SCALE: (In Miles) 2" = 1 mile

**Divided Highway – Undivided**

Shoulder: Width and Type: 6'–8' AC | 2.81 | 2' AC | 3.31 | 2'–4' Grs. | 3.61 | 0 | 4.48 | 2'–4' Grs. | 5.89 | 0–2' Grass | 6.42 | 2'–4' Grs. | 6.89 | 0–2' Grass

Pavement: Width and Type: 24' AC | 2.84 | 20' AC | 4.15 | 18' AC

Shoulder: Width and Type: 4'–6' AC | 1.95 | 6'–8' AC | 2.40 | 4'–6' AC | 2.94 | 2'–4' AC | 3.34 | 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: 2–12' | 2.84 | 2–10' | 4.15 | 2–9'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number (Metal Rails on Metal Posts unless otherwise noted.): Concrete Barrier; Masonry Wall; Masonry Wall

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative: 1.13 | +3 | 1.27

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: 2.84 | Mountainous

Speed: 1–Design, 2–Posted: 35 MPH (2) | Not Posted | 2.51 | 25 MPH (2) | 5.14 | 15 MPH (2) | 15 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: B74 0360 00000 | 0.50 | B74 0360 00050 | 1.02 | 2.63 | B74 0360 00263

HPMS Section

AADT (Year 2006): 2,700 | 2.63 | 1,600

DOD Sections

Census Tracts

Functional Classification: Major Collector

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

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

0.42 | 360A–01–85M, (R) 1986 | 2.42 | 2.67 | 2.79 | 360A–01–80, (Imprv) 1981 | 4.47 | 9.87 | 9.92

S-0360 (4), 1963 | S-0360(3), 1963 | F-32 (2), 1946,1957 | (Job #5839, 1956) | 2.97 | C-360-01-63, 1967 | 4.41 | County | 4.85 | A-360-01-62,1962 | (360AB-01-00M, 2002, Repairs & Maintenance)

30 + 49' | 48 + 64.21' | 76 | 219 + 00 | 319 + 00' | 0 + 00' | 130 + 72.45'

SCALE: (In Miles) 2" = 1 mile

| Date Released |
|---|
| Oct. 2003, D.B. |

| Revised | |
|---|---|
| Sept. 04 | D.B. |
| Nov., 06 | D.B. |

# ROAD INVENTORY
# MAUI RTE 360
# HANA HIGHWAY

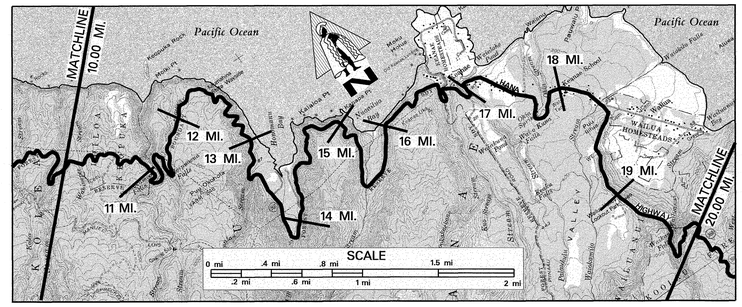
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

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

*




SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description: 360 A (12.20 mi.); End 360A & Begin 360B on Hana Hwy at the Southeast End of Waiokamilo St. Bridge. 360 B (16.57 mi.)

**Structure Carrying Road**

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

| Mp | Length | Type | Capacity | Year |
|---|---|---|---|---|
| 10.97 | 56' | Tee Beam | H15 | 1912 |
| 11.44 | 34' | Tee Beam | H15 | 1912 |
| 13.16 | 34' | Tee Beam | H15 | 1911 |
| 13.71 | 48' | Tee Beam | H15 | 1911 |
| 16.39 | 35' | Tee Beam | H15 | 1911 |
| 16.60 | 28' | Tee Beam | H15 | 1916 |
| 16.77 | 31' | Tee Beam | H15 | 1916 |
| 18.07 | 24' | Tee Beam | H15 | 1921 |
| 18.93 | 100' | Cantilevered Conc. Deck | HL-93 | 2006 |
| 19.39 | 108' | Conc. Masonry Arch | H15 | 1926 |

Vertical Clearance / Horizontal Clearance:

| Mp | Vertical Clearance | Horizontal Clearance |
|---|---|---|
| 10.97 | 15' | |
| 11.44 | | 12' |
| 13.16 | | 12' |
| 13.71 | | 12' |
| 16.39 | | 21' |
| 16.60 | | 19' |
| 16.77 | | 20' |
| 18.07 | | 22' |
| 18.93 | | 22' |
| 19.39 | | 17' |

Structure Over Road: Vertical Clearance / Horizontal Clearance

Right of Way Width (min.–max.) if varies: (40'–115') 14.19–14.31; 40' 16.80–17.26

Available Right of Way Width (Needs Study): Bushes & Trees; Res. Area 16.80–17.26; Heavy Brush & Trees 17.26–17.72; Res. Area 17.72–18.44; Heavy Brush, Trees & Steep Cliffs

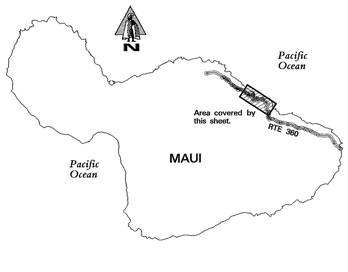
Right of Way Fence: Type – Right and Left: Wire 10.29–10.73; (ROCKFALL PROTECTION) 11.07–11.20

Control of Access: 1–None, 2–Partial, 3–Full: None; (360AB-02-03M Roadway Deck, 2006) 16.95–17.11, 17.18–17.72

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State; (765 + 94.12) (766 + 94.15)

Project No., Type of Construction, and Year Constructed: 360A-02-05M, RESURF., 2007; (589 + 00) 13.96–14.19; (360AB-01-00M (Repairs & Maintenance) 2002); (360B-01-93M (R) 1994) 18.74–18.93; (360B-01-95M (R) 1997)

Project No., Type of Construction, and Year Constructed: 360A-01-94M, 1995 Resurfacing & Improvements; 360AB-01-98M (R) 1999; (360AB-01-88 (Resurf & Improv.) 1990) 18.74–19.39




**Road Diagram**

* MP = Milepost Signage

CONTINUED FROM SHEET #1.

Culvert; "Garden of Eden" Arboretum; Puohakamoa Br. (MP 11); Haipuaena Br.; Culvert; Kaumahina Wayside Park Rd. (MP 12 (Post Only)); Culvert; Culvert; Culvert; Kolea Br. (MP 13); Culvert; Dirt Road; Honomanu Br. (577 + 25); Campground Rd. (MP 14); Culvert; Culvert; Culvert; Nuaailua Br. (MP 15); Culvert; Culvert; To County Garage; Culvert; Keanae Home Rd.; Keanae Arboretum (R); Pinaau Br.; Palauhulu Br.; Culvert; Culvert; Culvert; Culvert; "Halfway to Hana" Fruit Stand (Wailua); Culvert; Conc. Bridges; Keanae School; Culvert; Culvert (MP 16); Waiokamilo Br.; Culvert; Wailua Homesteads; Culvert; Culvert; Culvert; Culvert; Wailua Valley Concrete Deck; Rd. to Keanae Valley; Lookout (Wailua Valley State Wayside); Culvert (MP 18); Culvert; Wailani Br. (MP 19); (MP 20)

HANA HIGHWAY

10.18 mi. 10.49 mi. 10.97 mi. 10.94 mi. 11.44 mi. 11.89 mi. 11.86 mi. 12.14 mi. 12.31 mi. 12.56 mi. 12.68 mi. 12.88 mi. 13.16 mi. 13.37 mi. 13.48 mi. 13.71 mi. 13.87 mi. 13.94 mi. 14.33 mi. 14.47 mi. 14.70 mi. 14.86 mi. 15.39 mi. 15.42 mi. 15.55 mi. 16.11 mi. 16.30 mi. 16.34 mi. 16.46 mi. 16.55 mi. 16.60 mi. 16.77 mi. 16.80 mi. 16.84 mi. 16.91 mi. 16.98 mi. 17.08 mi. 17.25 mi. 17.32 mi. 17.50 mi. 17.63 mi. 17.67 mi. 17.70 mi. 17.77 mi. 17.88 mi. 17.95 mi. 18.07 mi. 18.12 mi. 18.15 mi. 18.26 mi. 18.45 mi. 18.56 mi. 18.59 mi. 18.80 mi. 18.87 mi. 18.93 mi. 19.06 mi. 19.39 mi. 19.85 mi.

CONTINUED ON SHEET #3.

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

0–2' Grass; 18' AC; 16' AC; 20' AC; 2' AC; 0–2' Grass; 15' Grv.; 2'–4' Grs.; 2' AC; 5'; 0; 2'–4' Grs.; 18' AC; 16'–18' AC

Number of Traffic Lanes: 2–9'; 2–8'; 2–10'; 2–8'; 2–9'; 2–(8'–9')

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

Curb and/or Gutter: Type (Right and Left): Concete Barrier; Masonry Wall; 4' AC Gutter; 4' Conc. Swale; (Conc. Gutter); (Conc. Barrier); 4' Conc. Gutter; Gabion Retaining Wall; (Conc. Barrier); 8' AC Gutter; Masonry Walls; 2' Conc. Curb & Gutter; (Conc. Gutter)

Protective Devices: Type, Location and Number — Metal Rails on Metal Posts Unless Otherwise Noted.

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: B74 0360 00263; B74 0360 01337; B74 0360 01630; B74 0360 01777; B74 0360 01939

HPMS Section: 10.94; 14.86; 17.50; 18.07

AADT (Year 2006): 1,600; 1,700; 1,500; 1,500; 1,700

DOD Sections

Census Tracts

Functional Classification: Major Collector

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

11.07 — 11.20 — (360AB-02-98, 2005, ROCKFALL MITIGATION); 360A-01-82, 1983 (Improv.) & 360A-01-83M, 1983 (Resurface)

13.96 — 14.19 — 14.31 — (360A-04-95, (Realignment) 1999); 13.92 — 360AB-01-88 (Resurface & Improv.) 1990

15.84 — 16.03 — (360A-01-97 (Improv.) 1999)

18.74 — 360B-01-93M, 1994 (R) — 19.42 — 19.61 — 360B-01-85, 1986

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. |

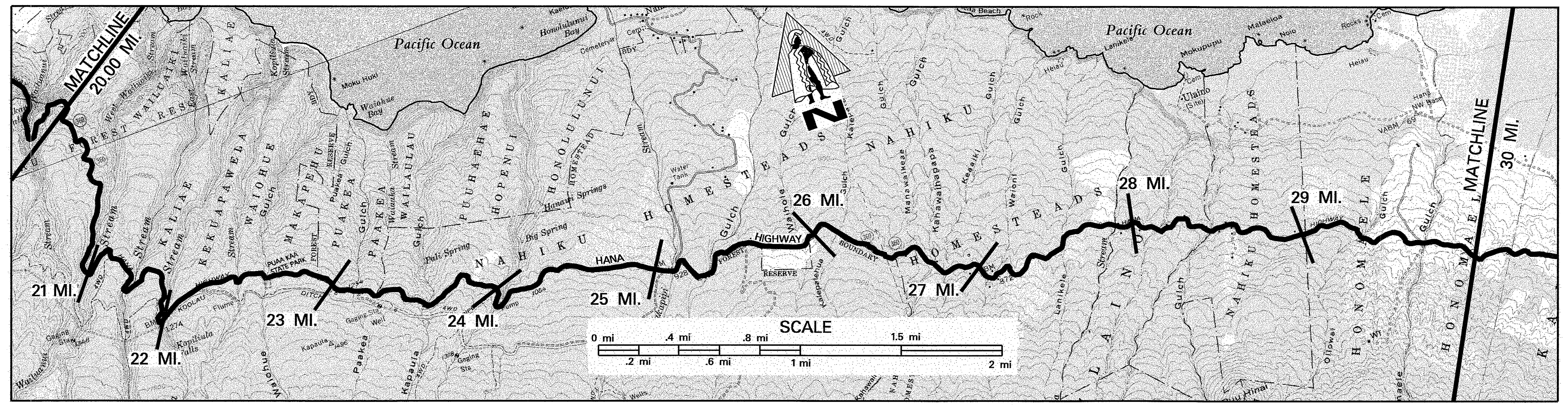
## ROAD INVENTORY
# MAUI RTE 360
# HANA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

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



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

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

**Structure Carrying Road**

| | | | |
|---|---|---|---|
| Bridges (Over 20'): Length, Type, Capacity and Year Constructed | Length | Vertical Clearance | Horizontal Clearance |
| Tee Beam 1937 H15 | 62' | 20.83 | 20' |
| Tee Beam 1926 H15 | 34' | 21.30 | 18' |
| Tee Beam 1926 H15 | 76' | 21.81 | 14' |
| Tee Beam 1926 H15 | 20' | 22.31 | 22' |
| Tee Beam 1937 H15 | 40' | 22.47 | 13' |
| Tee Beam 1920 H15 | 20' | 22.95 | 12' |
| Tee Beam 1926 H15 | 49' | 23.33 | 16' |
| Conc. Masonry Arch 1926 H15 | 60' | 23.99 | 20' |
| Tee Beam 1926 | 23' | 24.16 | 16' |
| Tee Beam 1926 – H15 | 40' | 24.98 | 16' |
| Conc. Masonry Arch – 1926 – H15 | 60' | 25.20 | 16' |
| | 24' | 25.42 | 16' |
| Tee Beam 1926 | 24' | 25.95 | 16' |
| Tee Beam H15 1926 | 24' | 26.48 | 16' |
| Tee Beam H15 1922 | 60' | 26.60 | 16' |
| Tee Beam H15 1921 | 22' | 26.77 | 16' |
| Tee Beam H15 1920 | 29' | 26.94 | 16' |
| Tee Beam H15 1920 | 24' | 27.01 | 16' |
| Tee Beam – H15 1917 | 51' | 27.76 | 16' |
| Tee Beam – H15 1917 | 28' | 27.92 | 16' |
| Tee Beam – H15 1914 | 39' | 27.98 | 16' |
| Slab 1908 – H15 | 48' | 28.31 | 13' |
| Tee Beam 1914 – H15 | 22' | 29.18 | 16' |
| Tee Beam 1924 – H15 | 38' | 29.54 | 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; 29.03 – Clr. 1000' – Pasture, Grass – 15' from Pvmt.

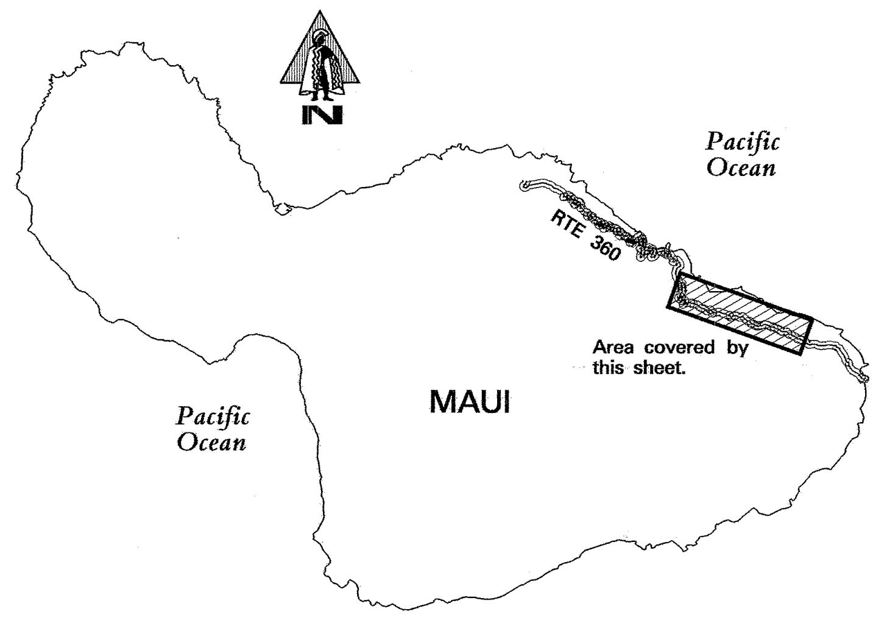
**Right of Way Fence: Type – Right and Left** (W/W = Wire on Wood): 22.62 W/W 22.87; 23.56 W/W 23.79; 24.36 W/W 24.44; 25.10 W/W 25.21; 25.44 W/W 25.61; Wire on Wood 27.73; W/W 27.66 27.71; 28.62 W/W 28.69

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

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

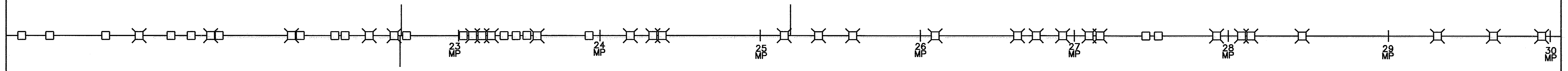
**Project No., Type of Construction, and Year Constructed:** (360AB–01–88 (R) 1990)

**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.



Culvert; Culvert; Culvert; W. Wailuaiki Br.; Culvert; Culvert; E. Wailuaiki Br.; Culvert; Kopiliula Br.; Culvert; Culvert; Culvert; Waiohue Br.; Paakea Br.; Puaa Kaa Park (R); Parking Area (L); Culvert; Culvert; Unnamed Br. #1; Unnamed Br. #2; Unnamed Br. #3; Culvert; Culvert; Culvert; Kapaula Br.; Culvert; Hanawi Br.; E. Hanawi Br.; Bridge; Makapipi Br.; Lower Nahiku Rd.; Kuhiwa Br.; Kupukoi Br.; Kahalaowaka Br.; Pupape Br.; Kahawaihapapa Br.; Keaaiki Br.; W. Waioni Br.; Waioni Br.; Culvert; Culvert; Lanikele Br.; Heleleikeoha Br.; Ulaino Br.; Mokulehua Br.; Oilowai Br.; Honomaele Br.; Bridge

20.10 mi.; 20.28 mi.; 20.64 mi.; 20.83 mi.; 21.06 mi.; 21.19 mi.; 21.30 mi.; 21.36 mi.; 21.81 mi.; 21.87 mi.; 22.15 mi.; 22.18 mi.; 22.31 mi.; 22.47 mi.; 22.49 mi.; 22.53 mi.; 22.59 mi.; 22.92 mi.; 22.93 mi.; 22.95 mi.; 23.00 mi.; 23.01 mi.; 23.11 mi.; 23.28 mi.; 23.31 mi.; 23.39 mi.; 23.75 mi.; 23.82 mi.; 23.99 mi.; 24.16 mi.; 24.17 mi.; 24.85 mi.; 24.98 mi.; 25.01 mi.; 25.20 mi.; 25.42 mi.; 25.88 mi.; 25.95 mi.; 26.48 mi.; 26.60 mi.; 26.77 mi.; 26.87 mi.; 26.94 mi.; 27.01 mi.; 27.33 mi.; 27.41 mi.; 27.76 mi.; 27.86 mi.; 27.92 mi.; 27.98 mi.; 28.31 mi.; 28.89 mi.; 29.18 mi.; 29.54 mi.; 29.85 mi.; 29.93 mi.

CONTINUED ON SHEET #4.

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

**Divided Highway / Undivided**

**Shoulder: Width and Type:** 0–2' Grass — 24.52 — 2' AC — 24.78 — 0–2' Grass

**Pavement: Width and Type:** 16'–18' AC — 23.38 — 18' AC

**Shoulder: Width and Type:** 0–2' Grass

**Median: Width and Type:**

**Median Barriers:**

**Shoulder: Width and Type:**

**Pavement: Width and Type:**

**Shoulder: Width and Type:**

**Number of Traffic Lanes:** 2–(8'–9') — 23.38 — 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):** 20.32; 21.07 21.14 21.19 21.20; 22.07 22.10; 22.51 22.57; 22.95 23.02 23.05 23.12; 23.28 23.29 23.35 (Conc. Gutter)

**Curb and/or Gutter: Type (Right and Left):** (Conc. Gutter) 20.05; 20.25 (Conc. Gutter); (Conc. Gutter); (Conc. Gutter); (Masonry Wall); 21.89 22.01; Conc. Gutter; 23.20 (Conc. Gutter); 29.00; 29.92 29.95

**Protective Devices: Type, Location and Number:** All Metal Rails on Metal Posts — (Masonry Wall); (Conc. Barrier); 20.01 20.06; 20.66 20.68 20.71; 20.93 20.97; 21.10 21.11; 21.19 (21.22 21.23); 21.40 21.45; 21.53 21.54; 21.61; 21.73; 21.85 21.90; 21.98; 22.09 22.14; 22.22 22.24; (22.31 22.32) (22.36 22.37) (22.40 22.41) (22.44 22.45); 22.52; 22.62; 22.75; 22.83 22.84; 22.96 22.97; 23.04 23.05; (23.10 23.12) (23.15 23.16); 23.32 23.34; (23.38 23.39); 24.98 25.00; 29.19 29.21; (29.49 29.51) (29.54 29.56); 29.75 29.76; 29.86 29.88; 29.99

**Illumination: Type, Location and Number**

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

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

**Area and Development:** Rural

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

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

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

**Traffic Station:** B74 0360 01939

**HPMS Section:** 25.88

**AADT** (Year 2006): 1,700

**DOD Sections**

**Census Tracts**

**Functional Classification:** Major Collector

**National Highway System (NHS)**

**Previous Projects: Project No., Date and Limits:**
23.38 — 360B–01–93 (R) 1994 — 29.04
22.52 — 360AB–01–88 (Resurf. & Improv.) 1990 — 24.03
360B–01–85 1986 — 23.58 — County to State — 28.32 — 29.04 — 360B–01–80 (Imprv.) 1981
County

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

| | |
|---|---|
| Date Released | Oct 2003, D.B. |
| Revised | |
| Aug. 04 | D.B. |
| Nov., 06 | D.B. |

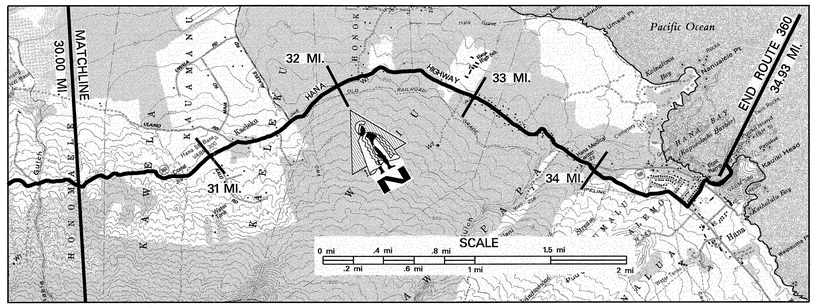
# ROAD INVENTORY
# MAUI RTE 360
# HANA HIGHWAY & KEAWA PLACE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

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




SCALE: (In Miles) 2" = 1 mile

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

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: Tee Beam – H20 1947

Vertical Clearance: 73' (32.44)

Horizontal Clearance: 26'

**Structure Over Road**

Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study): Bushes & Trees; Res. Area; Clr. 1000' Pasture 15' from Pvmt.; Res. Area

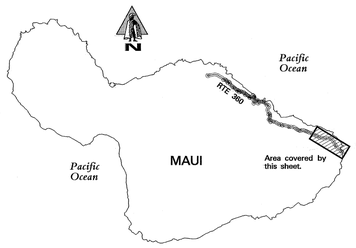
Right of Way Fence: Type – Right and Left (W/W=Wire on Wood): Wire; Wire; W/W; Wood; W/W; W/W; Various; None; W/W; Wire on Wood; Chain Link; Chain Link; Wood

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: (360B-01-80 (Improv.) 1981); (ER-12(5) (Roadway Repairs) 2002)

Project No., Type of Construction, and Year Constructed: 360B-01-96M (Resurf.) 1997; 360B-01-91M (Resurfacing) 1991; (360B-02-93M (Storm Drain Repair) 1993); (360B-01-83M (Resurface) 1983)




**Road Diagram**
* MP=Milepost Signage

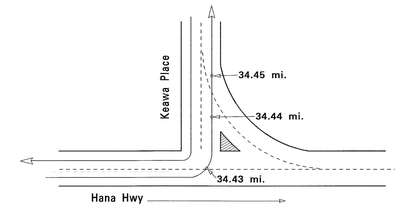
CONTINUED FROM SHEET #3.

Bridge (30.09 mi.); Bridge (30.20 mi.); Culvert (30.57 mi.); Bridge (30.60 mi.); Kalo Rd. (30.89 mi.); Ulaino St. (30.79 mi.); Culvert (31.17 mi.); Alalele Pl. (Rd. to Hana Airport) Kaniahiki Pl. (21.27 mi.); Olopawa Rd. (31.38 mi.); 31.54 mi.; To Waianapanapa State Park (31.87 mi.); Hana Elemetary School (32.59 mi.); Hana High School (32.68 mi.); 32.84 mi.; Waikoloa Rd. (Refuse Disposal Site) (33.14 mi.); Helani Gardens Kawaipapa Br. (33.44 mi.); 33.47 mi.; Bridge Fire Sta. 33.78 mi. Bus Stop 33.79 mi. Driveways to County Lakes Rd. Hana Med. Center (33.68 mi.); 33.89 mi.; Bridge Paranimal Park (34.08 mi.); Kauiki St. Keanihi Dr. Alau St. (34.15 mi.); Keawa Pl. (L) (34.37 mi.); Culvert Ua Kea Rd. (34.61 mi.); 34.64 mi.

HANA HIGHWAY — KEAWA PLACE — Hana angle point

51 MP; 32 MP; 33 MP; 34 MP

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




SCALE: (In Miles) 2" = 1 mile

**Divided Highway – Undivided**

Shoulder: Width and Type: 0–2' Grs.; 2'–4' Grs.; 8'–10' Grass; 2' Grass; 0; 6'–8' Grass; 0–2' Grass; 8'–10' Grass; 0; 4'–6' AC

Pavement: Width and Type: 18' AC; 24' AC; 18' AC; 16' AC; 18' AC; 16' AC; 20' AC

Shoulder: Width and Type: 0–2' Grs.; 2'–4' Grs.; 8'–10' Grass; 2'–4' Grass; 0–2' Grass; 2'–4' Grass; 20' 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: 2–9'; 2–12'; 2–9'; 2–8'; 2–9'; 2–8'; 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): (3' AC Sidewalk); AC Sidewalk; 6'; 4'; 6'; 4'; (Conc. Gutter); (Wood Rail on Conc. Post)

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

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

Illumination: Type, Location and Number: MV; 1 MV; 1 MV

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Rural

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

Speed: 1–Design, 2–Posted: 35 MPH (2); 15 MPH (2); 35 MPH (2); 30 MPH (2); 35 MPH (2); Not Posted; (20 MPH (2))

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: B74 0360 01939; B74 0360 03127; B74 0360 03259

HPMS Section: 31.87; 33.89

AADT (Year 2006): 1,700; 2,300; 1,700

DOD Sections

Census Tracts

Functional Classification: Major Collector

National Highway System (NHS)

Previous Projects: Project No., Date and Limits
- 360B-01-91M (R) 1991
- 360B-01-88 (Walkway) 1988
- 360B-01-80 (Improv.) 1981
- 360B-01-75 (R) 1975
- 360B-01-83M (Resurface) 1983
- County (FAP 58(1), 1947)

SCALE: (In Miles) 2" = 1 mile

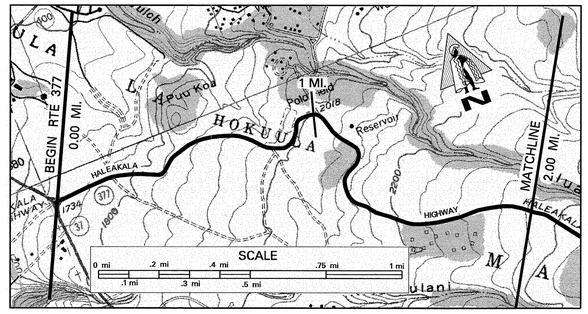
| Date Released | |
|---|---|
| Oct 2003, D.B. | |
| **Revised** | |
| Aug. 04 | D.B. |
| FEB., 06 | D.B. |
| Nov., 06 | D.B. |

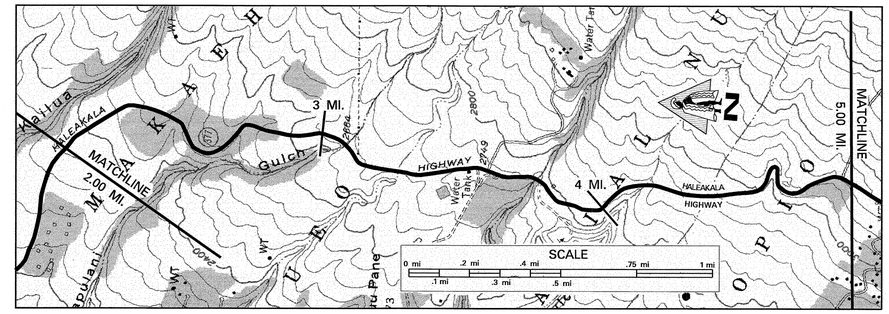
# ROAD INVENTORY
# MAUI RTE 377
# KEKAULIKE AVE & HALEAKALA HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

**Total Route Length:** 9.17 miles
**a. Survey Length:** 9.17 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles
*




SCALE: (In Miles) 4" = 1 mile

**Maintenance Control Sections : Length and Description**
0.03 Begin 377A on Haleakala Hwy, 150' East of the centerline intersection with Kula Hwy and Haleakala Hwy. — 377A (9.13 MI)

**Structure Carrying Road**
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: TEE BEAM 1934 H15 150'
- Vertical Clearance
- Horizontal Clearance: 24'

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

| | |
|---|---|
| Right of Way Width (min.–max.) if varies | 60' |
| Available Right of Way Width (Needs Study) | PASTURE ON MOUNTAINOUS TERRAIN WITH CUT SLOPES |
| Right of Way Fence: Type – Right and Left (ALL WIRE ON WOOD FENCE) | 20' – 40' FROM PAVEMENT; 10' – 30' FROM PAVEMENT |
| Control of Access: 1–None, 2–Partial, 3–Full | NONE |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | 0.03 STATE |
| Project No., Type of Construction, and Year Constructed | STP-0377(3), 1995 GUARDRAIL AND SHOULDER IMPROVEMENT |
| Project No., Type of Construction, and Year Constructed (377A-02-81M 1981 RESURFACE) | 0.03–0.98 STP-0377(4), 1994 RESURFACE |

## Road Diagram
* MP = Milepost Signage

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

0.00 mi. — HALEAKALA HIGHWAY — CONTINUES ON SHEET # 2 5.00 mi.

| Point | Mile |
|---|---|
| SPUR | 0.02 mi. |
| SPUR | 0.01 mi. |
| BEGIN HIGH SCHOOL DIVIDED | 0.19 mi. |
| KING KEKAULIKI END DIVIDED | 0.27 mi. |
| TRACTOR CROSSING | 0.33 mi. |
| CULVERT | 0.38 mi. |
| CULVERT | 0.81 mi. |
| KEALALOA ROAD ECB | 0.86 mi. |
| 1 MP | 0.99 mi. |
| | 1.00 mi. |
| | 1.02 mi. |
| 2 MP | 2.01 mi. |
| 2500' ELEV. SIGN | 2.56 mi. |
| 3 MP | 3.01 mi. |
| ECB | 3.16 mi. |
| WAIALE BRIDGE | 3.74 mi. |
| 4 MP | 4.00 mi. |
| CULVERT | 4.65 mi. |
| 5 MP | 4.98 mi. |

SCALE: (In Miles) 4" = 1 mile

**Divided Highway — Undivided**
- Shoulder: Width and Type: 22' AC
- Pavement: Width and Type: 11' AC; 22' AC (1.06); 18' AC
- Shoulder: Width and Type: 4' AC; 0; 4' AC

**Divided Highway**
- Median: Width and Type: 0.19; 0-12' PAINTED AC; 0.39
- Shoulder: Width and Type: 0
- Pavement: Width and Type: 11' AC
- Shoulder: Width and Type: 4' AC

| | |
|---|---|
| Number of Traffic Lanes | 2 – 11' (1.06); 2 – 9' |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | 0.27–0.33 |
| (Right Side) | 0.15 |
| Frontage Road: No. of Lanes, and Width (Right and Left) | |
| Sidewalk: Width and Type (Right and Left) | |
| Curb and/or Gutter: Type (Right and Left) | 0.03; 0.10; 0.17; 0.28; 0.42; 0.77; 0.87; 0.97; 1.43; 1.41; 2.38; 2.55; 2.53; 3.08; 3.28; 3.47; 3.51; 3.61; 3.70; 3.76; 4.07; 4.13; 4.21; 4.37; 4.41; 4.65; 4.66; 4.75; 4.77 |
| Protective Devices: Type, Location and Number (ALL GUARDRAILS METAL ON METAL, EXCEPT WHEN NOTED) | 0.19–0.26; 0.36–0.41; 0.79–0.86; 1.77–1.48; 2.37–2.43; 2.51–2.63; 2.71–2.80; 3.05–3.10; 3.21–3.30; 3.37–3.48; 3.52–3.72; 3.92–4.16; 4.22–4.27; 4.29–4.37; 4.40–4.49; 4.59 |
| Illumination: Type, Location and Number | |
| Curves: Degree of Curvature (Right and Left) | |
| Superelevation (Range) | 1.39 –7 1.51; 2.05 –7 2.19; 4.35 –7 4.51 |
| Grades: % Grade, Positive or Negative | |
| Vertical Curve: Crest or Sag, Curve Limits | |
| Area and Development: | URBAN (1.00); RURAL |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | ROLLING |
| Speed: 1–Design, 2–Posted | 30 MPH (2) |
| Intersection Control Devices: Type, Location and Cycle Timing | |
| Traffic Station | B74 0377 00000; B74 0377 00100 |
| HPMS Section | 0.50; 4.00 |
| AADT (Year 2006) | 3,500; 1.00; 2,500 |
| DOD Sections | |
| Census Tracts | |
| Functional Classification | MAJOR COLLECTOR |
| National Highway System (NHS) | |
| Previous Projects: Project No., Date and Limits | 1.65 377A-01-83M 1983 RESURFACE; 4.03 377A-01-85M 1985 RESURFACE |
| | 377A-02-81M 1981 RESURFACE; 1.07 JOB #5569 1952 RESURFACE |
| | FAP 5B 1933; 0.60 FAP-5B 1929, 1933 |

SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Nov., 06 | D.B. |

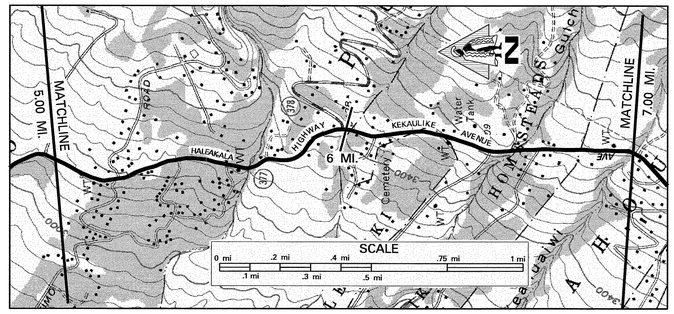
# ROAD INVENTORY
# MAUI RTE 377
# KEKAULIKE AVE & HALEAKALA HWY

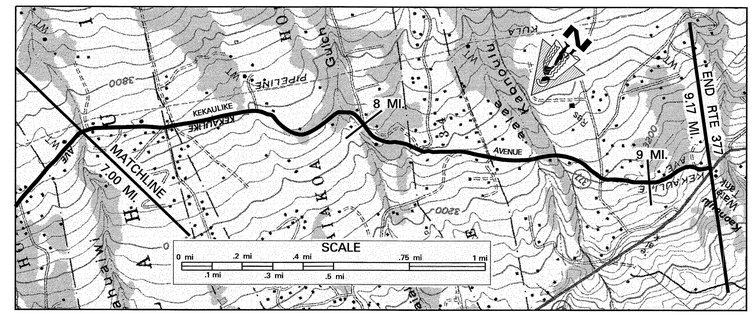
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

**Total Route Length:** 9.17 miles
- a. Survey Length: 9.17 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: * 0.00 miles

*




SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description: 377A (9.13 MI); End 377A on Kekaulike Hwy. 50' East of centerline intersection with Kula Hwy. 9.13 35

**Structure Carrying Road**

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: TEE BEAM 1934 H15 110'; TEE BEAM 1933 H15 25'; TEE BEAM 1933 H15 36'; TEE BEAM 1933 H15 150' 30'

Vertical Clearance

Horizontal Clearance: 22'; 22'; 24'; 22' 22'

**Structure Over Road**

Vertical Clearance

Horizontal Clearance

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

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

Right of Way Fence: Type – Right and Left — ALL WIRE ON WOOD FENCE 10'-20' FROM PVMT UNLESS NOTED (20'–40' FROM PVMT; 10'–30' FROM PVMT)

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

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

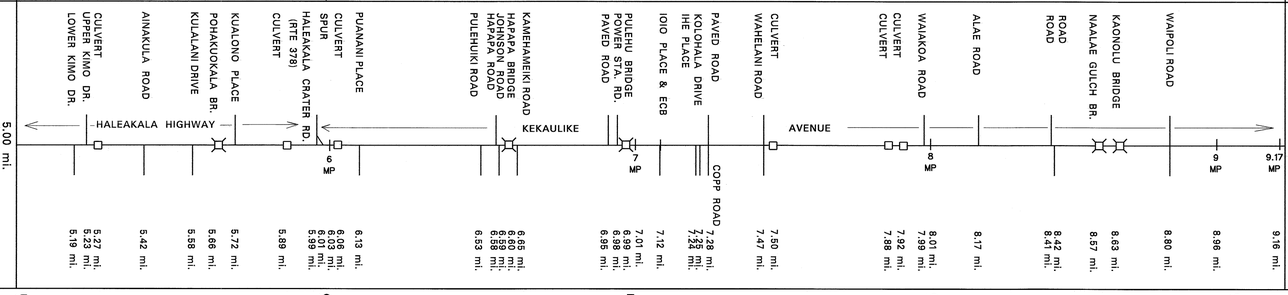
Project No., Type of Construction, and Year Constructed: STP-0377(3) 1995 GUARDRAILS & SHLDR IMPR.; 377B-01-96M 1998 RESURFACE

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

Indicates Grass & / or Physical Barrier on Median.

## Road Diagram

* MP = Milepost Signage




SCALE: (In Miles) 4" = 1 mile

**Divided Highway — Undivided**

Shoulder: Width and Type: 4' AC; 4' AC / 4' – 8' GRASS; 4'AC / 10'–18' GRS; 4' AC / 4' – 8' GRASS

Pavement: Width and Type: 18' AC; 20' AC; 24' AC

Shoulder: Width and Type: 4' AC; 4' AC / 4' – 8' GRASS; 4'AC / 10'–18' GRS; 4' AC / 4' – 8' GRASS

**Divided Highway — Divided**

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 – 9'; 2 – 10'; 2–12'

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

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

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: RURAL

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

Speed: 1–Design, 2–Posted: 30 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: B74 0377 00100; B47 0377 00613

HPMS Section: 8.57

AADT (Year 2006): 2,500; 1,400

DOD Sections

Census Tracts

Functional Classification: MAJOR COLLECTOR

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

377A-01-85M 1985 RESURFACE; FAP-E-13A 1932; RS-0377(2) 1987 IMPROVEMENTS; FAP-E-13A 1932

JOB #5569 1952 RESURFACE; BF-037-1(1) 1962

FAP – 5B 1929, 1933; FAP – 13A 1932, 1934

SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| FEB., 06 | D.B. |
| Nov., 06 | D.B. |

# ROAD INVENTORY
# MAUI RTE 378
# HALEAKALA CRATER ROAD

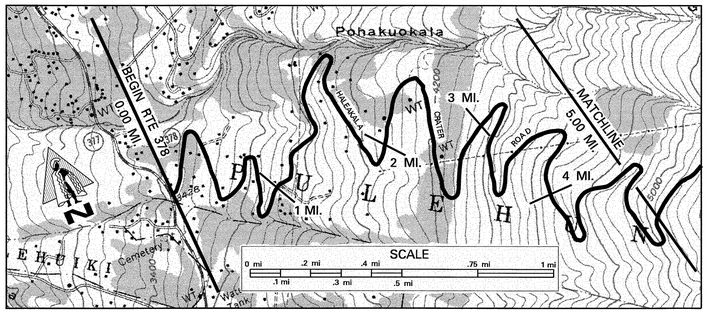
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

**Total Route Length:** 10.15 miles
- a. Survey Length: 10.15 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: * 0.00 miles

*




SCALE: (In Miles) 4" = 1 mile

**Maintenance Control Sections : Length and Description**

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

| | |
|---|---|
| Structure Carrying Road: Bridges (Over 20'): Length, Type, Capacity and Year Constructed | |
| Vertical Clearance | |
| Horizontal Clearance | |
| Structure Over Road: Vertical Clearance | |
| Horizontal Clearance | |
| Right of Way Width (min.–max.) if varies | 80' |
| Available Right of Way Width (Needs Study) | TREES AND BUSHES W/ SLIGHT CUT SLOPES (2.95) OPEN PASTURE 1000' ACROSS |
| Right of Way Fence: Type – Right and Left | N O N E |
| Control of Access: 1–None, 2–Partial, 3–Full | N O N E |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | S T A T E (337 + 41.87) |
| Project No., Type of Construction, and Year Constructed | 378A–01–04M, RESURFACE, 2006 (0.04) |
| Project No., Type of Construction, and Year Constructed | (378A–01–92M 1993, RESURFACE) (0.02) 378A–01–00MR 2003 MAINTENANCE & REPAIRS |

## Road Diagram

* MP = Milepost Signage

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

SPUR AND M.P. 0.03 mi.; PALENA PLACE 0.10 mi.; 3500' ELEV. Sign PONI MOI PLACE 0.33 mi. 0.31 mi.; CULVERT CULVERT 0.97 mi.; 4000' ELEV. Sign 1.21 mi. 1.24 mi.; CATTLE GUARD 1.78 mi.; CULVERT 2.06 mi.; CULVERT 2.12 mi.; CULVERT 2.44 mi.; CULVERT CULVERT CULVERT 2.54 mi. 2.82 mi. 2.88 mi. 2.95 mi. 2.98 mi.; 4600' ELEV. Sign 3.49 mi.; CULVERT 4.05 mi.; CULVERT 4.25 mi.; CULVERT 4.44 mi.; 4.96 mi.

HALEAKALA CRATER ROAD (341 + 50)

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

CONTINUES ON SHEET #2 5.00 mi.

SCALE: (In Miles) 4" = 1 mile

| | |
|---|---|
| Divided Highway – Undivided: Shoulder: Width and Type | 4' – 8' GRASS (2.30) 4' – 6' GRASS (3.72) 2' AC |
| Pavement: Width and Type | 22' AC |
| Shoulder: Width and Type | 4' – 8' GRASS 4' – 6' GRASS 2' AC |
| Divided: Median: Width and Type | |
| Shoulder: Width and Type | |
| Pavement: Width and Type | |
| Shoulder: Width and Type | |
| Number of Traffic Lanes | 2 – 11' |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | N O N E |
| (Right Side) | N O N E |
| Frontage Road: No. of Lanes, and Width (Right and Left) | |
| Sidewalk: Width and Type (Right and Left) | |
| Curb and/or Gutter: Type (Right and Left) | 0.60 0.67 0.85 1.00 1.10 1.28 1.31 1.35 2.09 2.14 2.24 2.30 4.12 4.19 4.28 4.30 4.48 4.57 |
| Protective Devices: Type, Location and Number — ALL GUARDRAILS METAL ON METAL | 0.70 0.73 1.37 |
| Illumination: Type, Location and Number | N O N E 3.33 3.45 3.94 3.98 4.11 4.19 4.73 4.89 |
| Curves: Degree of Curvature (Right and Left) | |
| Superelevation (Range) | |
| Grades: % Grade, Positive or Negative | 0.05 +7 0.20 0.31 +8 0.47 0.77 +8 0.85 2.36 +7 2.85 4.76 +8 4.86 |
| Vertical Curve: Crest or Sag, Curve Limits | |
| Area and Development: | R U R A L |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | MOUNTAINOUS |
| Speed: 1–Design, 2–Posted | 30 MPH (2) |
| Intersection Control Devices: Type, Location and Cycle Timing | |
| Traffic Station | B74 0378 00000 |
| HPMS Section | 0.97 |
| AADT (Year 2006) | 1,600 |
| DOD Sections | |
| Census Tracts | |
| Functional Classification | MAJOR COLLECTOR |
| National Highway System (NHS) | |
| Previous Projects: Project No., Date and Limits | |
| | 378A–01–92M 1993 RESURFACE |
| | 0.04 (STP-0377(4) 1994 RESURFACE) |
| | 378A–01–82M 1982 (RESURFACE) 3.72 3.75 RS–0378(1) 1981 RESURFACE |
| | 0.03 370A–02–67 1967 2.77 378A–03–68 1968 RESURFACE |
| | FAP 5B (Group B) 1933 |

SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Nov., 06 | D.B. |

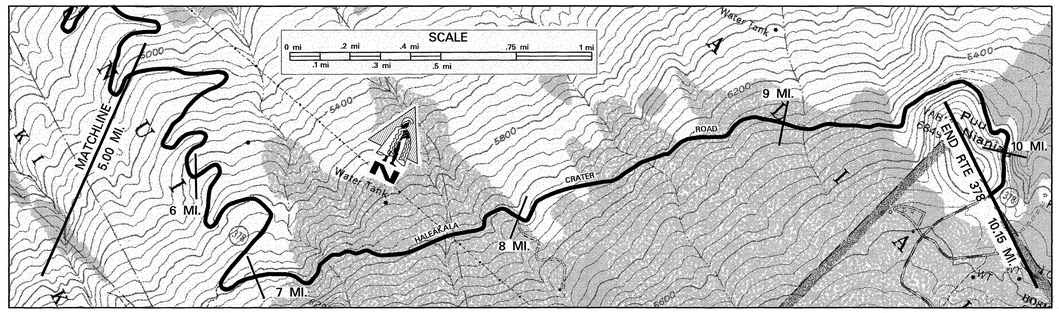
# ROAD INVENTORY
# MAUI RTE 378
# HALEAKALA CRATER ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

**Total Route Length:** 10.15 miles
- **a. Survey Length:** 10.15 miles
- **b. Proposed Length:** 0.00 miles
- **c. Other Length: *** 0.00 miles

*




SCALE: (In Miles) 4" = 1 mile

| | | | |
|---|---|---|---|
| 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 | 97' PRESTRESSED BEAM 1934 (1970) H15 56' | |
| | Vertical Clearance | | |
| | Horizontal Clearance | 27' 27' | |
| Structure Over Road | Vertical Clearance | | |
| | Horizontal Clearance | | |
| Right of Way Width (min.–max.) if varies | | 80' | |
| Available Right of Way Width (Needs Study) | | OPEN PASTURE 1000' ACROSS | |
| Right of Way Fence: Type – Right and Left | | N O N E | |
| Control of Access: 1–None, 2–Partial, 3–Full | | N O N E | |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | | S T A T E | @ END PROJECT (877+00) |
| Project No., Type of Construction, and Year Constructed | | 378A–01–04M, RESURFACE, 2006 | (378A–01–92M, 1993, RESURFACE) |
| Project No., Type of Construction, and Year Constructed | | 378A–01–00MR 2003 MAINTENANCE & REPAIRS | |

Indicates Grass & / or Physical Barrier on Median.

## Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET # 1

5.00 mi.

CULVERT, CULVERT, CULVERT, CULVERT, CULVERT, CULVERT, CULVERT, LOOKOUT CULVERT, CULVERT, POHAKUOKALA BRIDGE, CULVERT, CATTLE GUARD, WAIALE BRIDGE, CULVERT, CATTLE GUARD (833+80), 6500' ELEVATION SIGN, CULVERT, CATTLE GUARD @ CENTERLINE CATTLEGUARD (877+20)

HALEAKALA CRATER ROAD

6 MP, 7 MP, 8 MP, 9 MP, 10.19 MP

5.07 mi., 5.22 mi., 5.28 mi., 5.95 mi., 6.23 mi., 6.67 mi., 6.95 mi., 6.91 mi., 7.31 mi., 7.30 mi., 7.48 mi., 7.70 mi., 7.91 mi., 8.00 mi., 8.28 mi., 8.50 mi., 8.93 mi., 9.24 mi., 9.34 mi., 9.45 mi., 9.87 mi., 10.15 mi., 10.12 mi.

END RTE 378 ON HALEAKALA CRATER RD AT PIIHONUA, NEAR CATTLE GUARD NEAR THE "END STATE HWY SIGN"

10.15 mi.

SCALE: (In Miles) 4" = 1 mile

| | | | |
|---|---|---|---|
| Divided Highway – Undivided | Shoulder: Width and Type | 2' AC | 10.15 mi. |
| | Pavement: Width and Type | 22' 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 – 11' | |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | | N O N E | |
| (Right Side) | | N O N E | |
| Frontage Road: No. of Lanes, and Width (Right and Left) | | | |
| Sidewalk: Width and Type (Right and Left) | | | |
| Curb and/or Gutter: Type (Right and Left) | | 5.23 5.32 5.39 5.49 5.76 5.82 7.11 7.18 7.27 7.31 7.28 7.30 7.48 7.86 7.87 8.03 8.07 8.59 9.21 9.28 9.43 9.52 9.54 9.74 9.89 10.05 | |
| Protective Devices: Type, Location and Number | ALL GUARDRAILS ARE METAL ON METAL | 5.28 5.33 5.58 5.64 6.15 6.24 6.27 6.68 6.93 6.99 7.47 7.51 7.75 7.79 7.84 8.47 8.50 8.53 8.56 8.70 8.80 9.07 9.07 | |
| Illumination: Type, Location and Number | | N O N E | |
| Curves: Degree of Curvature (Right and Left) | | | |
| Superelevation (Range) | | | |
| Grades: % Grade, Positive or Negative | | 6.22 +7 6.39 6.62 +9 6.84 8.14 +7 8.28 | |
| Vertical Curve: Crest or Sag, Curve Limits | | | |
| Area and Development: | | R U R A L | |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | | MOUNTAINOUS | |
| Speed: 1–Design, 2–Posted | | 30 MPH (2) | |
| Intersection Control Devices: Type, Location and Cycle Timing | | | |
| Traffic Station | | B74 0378 00000 | |
| HPMS Section | | | |
| AADT | (Year 2006) | 1,600 | |
| DOD Sections | | | |
| Census Tracts | | | |
| Functional Classification | | MAJOR COLLECTOR | |
| National Highway System (NHS) | | | |
| Previous Projects: Project No., Date and Limits | | 378A–01–92M 1993 RESURFACE | |
| | | RS–0378(1) 1981 RESURFACE; (377A–01–70 1971 Bridge Widening) 7.70 – 8.50; RS–0378(1) 1981 RESURFACE | |
| | | 378A–03–68 1968 RESURFACE; 6.95; 378A–04–69 1969 | |
| | | FAP 5B (Group B) 1933 | |

SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Nov., 06 | D.B. |

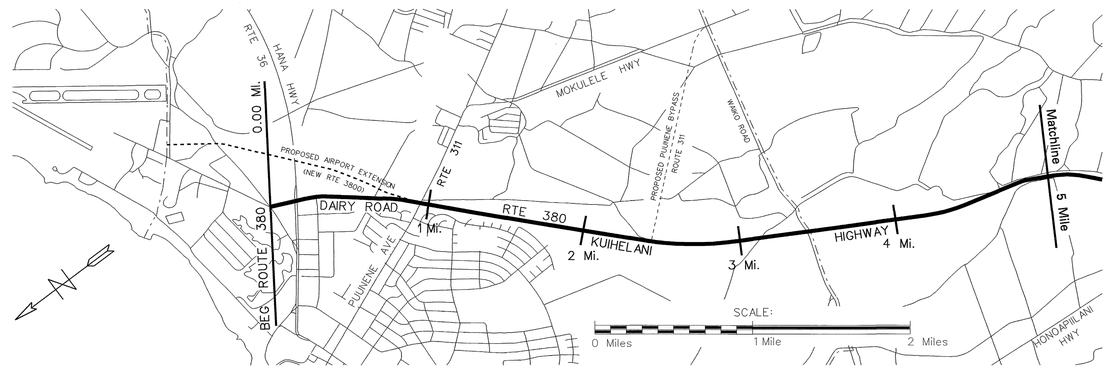
# ROAD INVENTORY
# MAUI RTE 380
# DAIRY ROAD, KUIHELANI HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

| | | |
|---|---|---|
| Total Designated Route Length: | 6.18 | MILES (a+b) |
| a. Existing Length: | 6.18 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 6.18 | MILES (a+b, less c) |
| a. Existing Length: | 6.18 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

**Maintenance Control Sections : Length and Description**

BEG. 380A SAME AS BEG. EXISTING RTE. ? | ? 380A (0.95 mi.) | ? END 380A SAME AS ROUTE 0.95 | 0.95 BEG. 380A SAME AS BEG. EXISTING RTE. ? | 380 A (6.17 mi.)

**Structure Carrying Road**

- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: 24', Slab, HS–20, 1970 | 25', Precast Conc Plank, HL–93, 2003 | 61', Tee Beam, HS–20, 1970 | 60', Precast Prestressed Conc Beam, HL–93, 2003 | 77', Culvert, HS–20, 1970 | 78', 3 Span Culvert, HL–93, 2003
- Vertical Clearance: 3.12 | 3.11
- Horizontal Clearance: 44' 36' | 44' 36' | 44' 36'
- Structure Over Road – Vertical Clearance: 4.12 | 4.37
- Structure Over Road – Horizontal Clearance

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

**Available Right of Way Width (Needs Study)**: COMMERCIAL 0.95 | RANCHLAND / SUGAR CANE 2.99 | FARMS–BUSHES–TREES 3.45 | CLEAR 1000' – SUGAR CANE 30' FROM PAVEMENT

**Right of Way Fence: Type – Right and Left**: 3.56 WOOD/CONC. | METAL ON WOOD 4.60

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

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

**Project No., Type of Construction, and Year Constructed**: 0.78 NH–0380(9), (Widening) 2003

**Project No., Type of Construction, and Year Constructed**: 380A–01–89M (R) 1990 | 0.87 380A–01– 99M (R), 2000

Indicates Grass & / or Physical Barrier on Median.

## Road Diagram

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

DAIRY ROAD — KUIHELANI HIGHWAY

| Point | Mile |
|---|---|
| End Div. Hwy | 0.03 mi. |
| Hana Hwy (Rte 36) Kele St. | 0.16 mi. |
| Alamaha St. | 0.31 mi. |
| Mall Entrance | 0.38 mi. |
| Maui Marketplace Dr. | 0.48 mi. |
| Driveway (R) Mall Entrance | 0.59 mi. 0.57 mi. |
| Hukilike St. | 0.66 mi. |
| Begin Div. Hwy & Road (L) | 0.73 mi. |
| Punene Ave. | 0.96 mi. 0.94 mi. |
| Cane Haul Rd. | 1.44 mi. |
| Paved Road | 1.68 mi. 1.80 mi. |
| Private Access | 2.37 mi. |
| Maui Lani Golf Course Ent. | 2.75 mi. |
| Paved Road | 3.03 mi. |
| Waihee Ditch Br. 3.12 mi. | |
| Waihee Ditch Br. 3.11 mi. (offset) | |
| Waiko Road | 3.45 mi. |
| Tractor Crossing & Cane Haul Rd | 3.61 mi. |
| Truck Weigh Station | 3.67 mi. 3.78 mi. |
| Waikapu Stream Br. | 4.12 mi. |
| Kuihelani 3 Span Culvert Road and Tractor Crossing | 4.34 mi. 4.37 mi. |
| Cane Haul Rd. | 4.74 mi. 4.87 mi. |

Route Continued on Sheet #2 5.00 mi.

SCALE: (In Miles) 4" = 1 mile

**Divided Highway**

- Undivided – Shoulder: Width and Type: 0 | 0.16 4'–6' AC | 0.96 | 10' AC | 3.44 | 10'–25' AC | 3.92 | 10' AC
- Undivided – Pavement: Width and Type: (20' AC) | 40' AC | 0.46 | 44' AC | 22' AC | 1.04 | 24' AC
- Undivided – Shoulder: Width and Type: 0 | 0 | 0.16 4'–6' AC | 0 | 8' AC | 10' AC | 0 | 4' AC | 10' AC
- Median: Width and Type: (10' Painted AC) | 0.03 | 0.73 | 10' Painted AC | 0.96 | 8'–10' Painted AC | 1.04 | 8' Painted AC | 1.20 | 18' Grass | 2.26 | 14' Painted AC | 2.37 | 10' Grass | 2.58 | 18' Grass
- Shoulder: Width and Type: 0 | 0 | 4' AC | 0 | 4' AC
- Pavement: Width and Type: (12' AC) | 22' AC | 0.96 | 12' AC | 24' AC | 24' AC
- Shoulder: Width and Type: 0 | 4'–6' AC | 8' AC | 10' AC | 10' AC

**Number of Traffic Lanes**: (2–10') (1–12') | 0.03 | 4–10' | 0.66 | 4–11' | 0.96 | (1–12', 1–10') (1–12') | 4–12'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)** (All 10' Turning Lanes): 0.86 | 0.73 | 1.04 | 10' (L) TL | 2.57 | 1-12' TL | 3.60

**(Right Side)** (All 10' Turning Lanes): 0.03 | 0.06 | 0.09 | 0.13 | 0.16 | 0.22 | 0.31 | 0.35 | 0.38 | 0.45 | 0.48 | 0.53 | 0.57 | 0.61 | 0.66 | 0.69 | (2–10' L TLs) | 0.90 | 0.96 | 2.22 | 1-12' TL | 3.30 | 3.45 | 1-12' TL

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

**Sidewalk: Width and Type (Right and Left)**: 8' Conc. S.W. | 0.16 | 8' Conc. S.W. | 0.33 | 0.66 | 1.00

**Curb and/or Gutter: Type (Right and Left)**: 4' Conc. S.W. | 0.16 | 0.23 | Conc. | AC | Conc. Curb | Conc. Curb | AC Curb | 0 | Conc. Curb | 0.13 | 0.22 | 0.38 | 0.43 | 0.68 | 2' Conc. Gutter | 2.26 | 2.46 | 2' Conc. Gutter | 2.56 | 3.25 | 3.32 | 3.50

**Protective Devices: Type, Location and Number**: 3.09 | 3.15 | 3.26 | 3.33 | 3.61 | 3.85

**Illumination: Type, Location and Number**: 0.86 | M.V. | 1.04 | 2.32 | 8 HPS | 2.43 | 2.40 | 8 HPS | 3.50

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**: 0.86 | –1 | 3.25 | +1 | 3.75 | 3.84 | +2 | 4.09 | 4.56 | –1 | 4.80

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

**Area and Development**: Urban | 3.45 | Rural

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

**Speed: 1–Design, 2–Posted**: 30 MPH (2) | 0.87 | 35 MPH (2) 30 MPH (2) | 1.11 | 1.24 | (45 MPH (2)) | 55 MPH (2) | 2.20 | 2.31 | 45 MPH (2)

**Intersection Control Devices: Type, Location and Cycle Timing**: 0.16 | 0.37 | 0.48 | 1.10 | 2.37 | 3.45 3 Phase 2 Phase

**Traffic Station**: B74 0380 00000 | B74 0380 00096 | B74 0380 00237 | 3.61 | B74 0380 00345

**HPMS Section**: 0.80 | 1.68 | 3.12 | 4.74

**AADT** (Year 2006): 32,100 | 0.96 | 18,200 | 2.37 | 17,200 | 3.45 | 14,500

**DOD Sections**

**Census Tracts**

**Functional Classification**: Major Collector | 0.96 | Principal Arterial

**National Highway System (NHS)**: NHS

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

380A–01–89M (R), 1990

(FAP 50 1931): 0.03 | 0.16 3800A–01–81M 1981 (Resurf.) | 0.76 | S–0380( 6) 1971

DANG 8(1), 1945 County | 2.37 | S–038 (6), 1969

SCALE: (In Miles) 4" = 1 mile

| Date Released |
|---|
| July 2002, DB |
| **Revised** |
| Apr 03 JK |
| Aug 04 DB |
| Sept 04 DB |
| Nov 06 DB |

# ROAD INVENTORY

# MAUI RTE 380
# KUIHELANI HIGHWAY

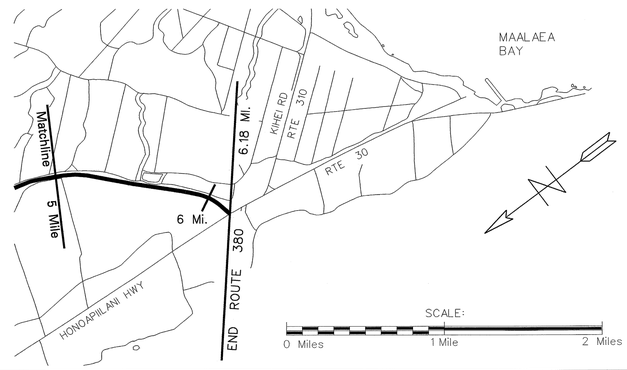
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

| | | |
|---|---|---|
| Total Designated Route Length: | 6.18 | MILES (a+b) |
| a. Existing Length: | 6.18 | MILES |
| b. Proposed Length: | 0.00 | MILES |
| Total Travel Way Length: | 6.18 | MILES (a+b, less c) |
| a. Existing Length: | 6.18 | MILES |
| b. Temporary Length: | 0.00 | MILES |
| c. Length used as T.W. for another Route: | 0.00 | MILES (–) |

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____

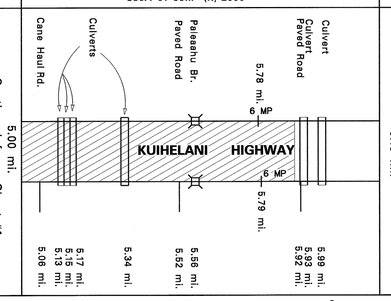



SCALE: (In Miles) 4" = 1 mile

| | | |
|---|---|---|
| Maintenance Control Sections : Length and Description | | ? 380 A (6.17 mi.) END 380-A ON KUIHELANI HWY. 50' EAST OF THE EAST E.P. ON HONOAPIILANI HWY. 6.17 |
| Structure Carrying Road | Bridges (Over 20'): Length, Type, Capacity and Year Constructed | 37' SLAB 1970 HS-20; 47' PRECAST, PRESTRESSED CONC. BEAM, HL-93, 2003 |
| | Vertical Clearance | |
| | Horizontal Clearance | 5.96 44' 36' |
| Structure Over Road | Vertical Clearance | |
| | Horizontal Clearance | |
| Right of Way Width (min.–max.) if varies | | 150' – 210' |
| Available Right of Way Width (Needs Study) | | CLEAR 1000' – SUGAR CANE 30' FROM PAVEMENT |
| Right of Way Fence: Type – Right and Left | | |
| Control of Access: 1–None, 2–Partial, 3–Full | | NONE |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | | STATE |
| Project No., Type of Construction, and Year Constructed | | NH-0380(9) (Widening) 2003 6.02 [ BR-NH-030-1(24) (Widening) 2002 ] |
| Project No., Type of Construction, and Year Constructed | | 380A-01-99M (R) 2000 |

Indicates Grass & / or Physical Barrier on Median.

## Road Diagram




SCALE: (In Miles) 4" = 1 mile

| | | |
|---|---|---|
| Divided Highway – Undivided | Shoulder: Width and Type | 10' AC |
| | Pavement: Width and Type | 24' AC; 12' AC (5.14) 28' AC |
| | Shoulder: Width and Type | 10' AC; 0 |
| Divided Highway | Median: Width and Type | 18' Grass; 5.90 10'–18' AC 6.02; 10' Painted AC |
| | Shoulder: Width and Type | 4' AC; 6.90 0 |
| | Pavement: Width and Type | 24' AC; 12' AC 36' AC (38' AC) (44' AC) |
| | Shoulder: Width and Type | 10' AC; 6.95 6.96 |
| Number of Traffic Lanes | | 4 – 12' |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | | (1-12') 5.90 (2-14') (2-14' + 1-16') |
| (Right Side) | | (1-12') 5.94 (3-12') (2-12' + 1-14') |
| Frontage Road: No. of Lanes, and Width (Right and Left) | | (2-12' (R)) 6.15 (2-14' (R)); Double (L) TLs 6.20; Single (R) TL 6.22; (1-12' (R)) 6.24 (1-16' (R)) (1-14' (R)); NOTE: No Thru Lanes on (R) Side from 6.12 mi to 6.18 mi. Pavement Widths Include Turning Lanes. |
| Sidewalk: Width and Type (Right and Left) | | |
| Curb and/or Gutter: Type (Right and Left) | | |
| Protective Devices: Type, Location and Number | | 5.63 5.69 |
| Illumination: Type, Location and Number | | |
| Curves: Degree of Curvature (Right and Left) | | |
| Superelevation (Range) | | |
| Grades: % Grade, Positive or Negative | | 5.33 +2 5.54 |
| Vertical Curve: Crest or Sag, Curve Limits | | |
| Area and Development: | | Rural |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | | Flat 5.82 |
| Speed: 1–Design, 2–Posted | | 45 MPH (1); Not Posted 35 MPH (1) |
| Intersection Control Devices: Type, Location and Cycle Timing | | 5.86 3 Phase Traffic Signal |
| Traffic Station | | B74 0380 00345 |
| HPMS Section | | |
| AADT (Year 2006) | | 14,500 6.18 |
| DOD Sections | | |
| Census Tracts | | |
| Functional Classification | | Principal Arterial |
| National Highway System (NHS) | | NHS |
| Previous Projects: Project No., Date and Limits | | |
| | | 380A-01-89M (R), 1990 |
| | | S-0380 (6), 1971 |
| | | S-038 (6), 1969 |

SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| July 2002, DB | |
| Revised | |
| Nov., 06 | D.B. |

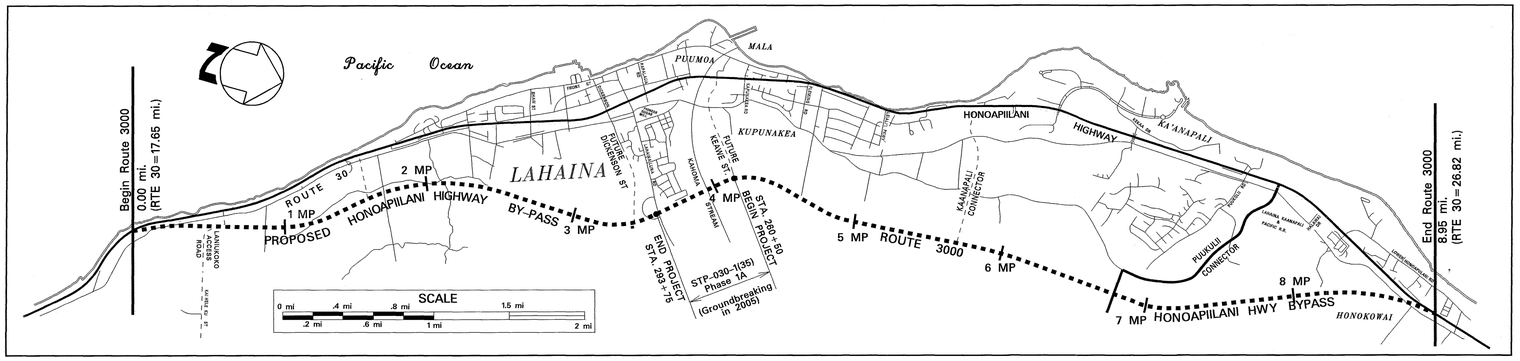
# ROAD INVENTORY
# MAUI RTE 3000
# HONOAPIILANI HIGHWAY BYPASS

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

**Total Route Length:** 8.95 miles
**a. Survey Length:** 0.00 miles
**b. Proposed Length:** 8.95 miles
**c. Other Length: *** 0.00 miles
*




SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description

| | | |
|---|---|---|
| Structure Carrying Road | Bridges (Over 20'): Length, Type, Capacity and Year Constructed | 4-CELL BOX; 3-CELL BOX; 400'; 400'; 600'; 400'; 400'; 800' |
| | Vertical Clearance | |
| | Horizontal Clearance | |
| Structure Over Road | Vertical Clearance | |
| | Horizontal Clearance | |
| Right of Way Width (min.-max.) if varies | | |
| Available Right of Way Width (Needs Study) | | |
| Right of Way Fence: Type – Right and Left | | |
| Control of Access: 1-None, 2-Partial, 3-Full | | STATE |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | | ( STP-030-1(22), Demolition of Ikena Ave ) 3.49 3.49 |
| Project No., Type of Construction, and Year Constructed | | |
| Project No., Type of Construction, and Year Constructed | | |

## Road Diagram

* MP=Milepost Signage

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

0.75 MI. CULVERT
0.96 MI. CULVERT
2.08 MI. KAUAULA STREAM BR.
3.31 MI. DICKENSON CONNECTOR
3.46 MI. LAHAINALUNA RD OP
3.74 MI. KAHOMA STREAM BR
4.07 MI. KAPUNAKEA CONN.
4.98 MI. WAHIKULI CONNECTOR (CIVIC CENTER)
5.62 MI. KAANAPALI CONNECTOR
5.89 MI. WAHIKULI GULCH BR
5.73 MI. HAHAKEA GULCH BR
6.75 MI. PUUKOLII CONNECTOR
7.48 MI. HANAKAOO GULCH BR
8.01 MI. HONOKOWAI STR BR
8.58 MI. HONOAPIILANI CONN.

HONOAPIILANI HIGHWAY BY-PASS

END ROUTE 3000 ON HONOAPIILANI HWY BYPASS AT NORTH 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 | |
| | Pavement: Width and Type | |
| | Shoulder: Width and Type | |
| Divided Highway | Median: Width and Type | |
| | Median Barriers: | |
| | Shoulder: Width and Type | |
| | Pavement: Width and Type | |
| | Shoulder: Width and Type | |
| Number of Traffic Lanes | | |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | | |
| (Right Side) | | |
| Frontage Road: No. of Lanes, and Width (Right and Left) | | |
| Sidewalk: Width and Type (Right and Left) | | |
| Curb and/or Gutter: Type (Right and Left) | | |
| Protective Devices: Type, Location and Number | | |
| Illumination: Type, Location and Number | | |
| Curves: Degree of Curvature (Right and Left) | | |
| Superelevation (Range) | | |
| Grades: % Grade, Positive or Negative | | |
| Vertical Curve: Crest or Sag, Curve Limits | | |
| Area and Development: | | |
| Terrain: 1-Flat, 2-Rolling, 3-Mountainous | | |
| Speed: 1-Design, 2-Posted | | |
| Intersection Control Devices: Type, Location and Cycle Timing | | |
| Traffic Station | | |
| HPMS Section | | |
| AADT | | |
| DOD Sections | | |
| Census Tracts | | |
| Functional Classification | | MINOR ARTERIAL |
| National Highway System (NHS) | | NHS |
| Previous Projects: Project No., Date and Limits | | |

SCALE: (In Miles) 2" = 1 mile

| Date Released | |
|---|---|
| Dec 2004 JK | |
| Revised | |
| Nov., 06 | D.B. |

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

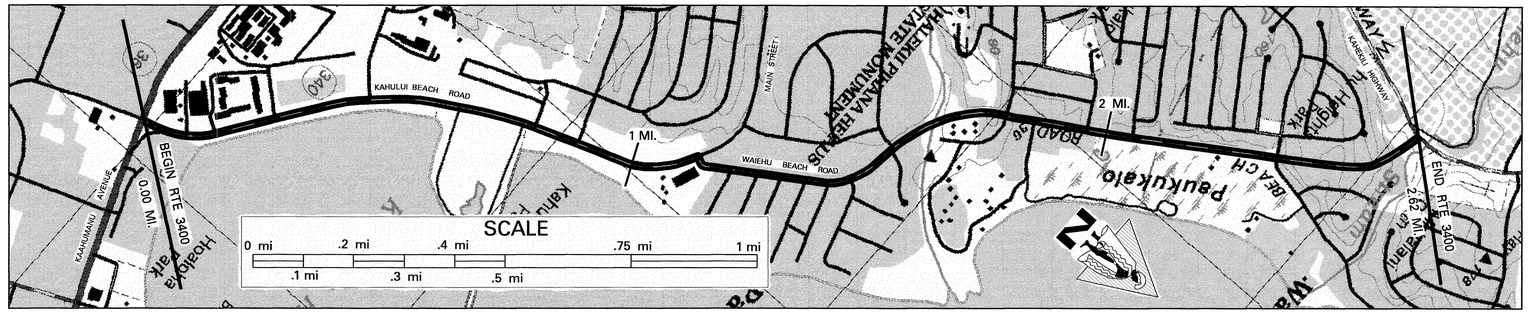
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

**Total Route Length:** 2.62 miles
- **a. Survey Length:** 2.62 miles
- **b. Proposed Length:** 0.00 miles
- **c. Other Length: *** 0.00 miles

*




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

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

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

**Maintenance Control Sections : Length and Description**
- 0.04 Begin 3400A on Kahului Beach Road 220' N. of centerline intersection w/Kaahumanu Ave.
- 3400A (1.11 MI) / SPUR 3400A (0.02 MI)
- 1.15
- 3400B (1.46 MI)
- 2.61
- 3400C (0.01 MI)

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

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

**Right of Way Width (min.–max.) if varies:** 120' | 1.51 | 80' – 200' | 1.87 | 70' – 240'

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

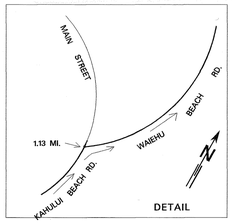
**Right of Way Fence: Type – Right and Left:** 1.17 – 1.49

**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):** 3400AB-02-90 1992 IMPROVEMENTS | 0.14 | 30+10 | 0.37 | 38+10 | 0.72 | 1.12 | 1.31 | 1.70 | 2.11 | STATE

**Project No., Type of Construction, and Year Constructed:** HWY-M-05-04, IMPR. 2006 | 3400A-01-97 1998 | 3400B-02-98 2 WAY (L) TLS

**Project No., Type of Construction, and Year Constructed:** 3400A-02-91 IMPROVEMENTS 1995 | 3400B-01-97M 1998 RESURFACE (ALSO ROUTE 340)




Indicates Grass & / or Physical Barrier on Median.

**Road Diagram**

* MP = Milepost Signage

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

0.00 MI. — DRIVEWAY | KAIHEE PLACE | MAUI CENTRAL PARK | SMALL BOAT HARBOR ROAD (35+00) | BEACH ROAD | KANALOA AVE. | NISEI MEMORIAL CENTER ACCESS (PAVED ROAD) | MAIN ST. | ELUENE ST. | KAINALU PL. | LINEKONA PLACE END DIVIDED | KAIKOO STREET | KAILANA PLACE | BEGIN DIVIDED UKALI PLACE | EHA ST. | IAO BRIDGE END DIVIDED | BEGIN DIVIDED KAAE RD. | KUHIO PL. | KUKONA PL. | KEALI'I PL. | MAKAALA DR. | END DIVIDED | BEGIN DIVIDED | WAILUPE DR. | END DIVIDED | WAILUKU URBAN BOUNDARY — 2.62 MI.

KAHULUI BEACH ROAD: 0.00 mi. – 1.13 mi. | WAIEHU BEACH ROAD: 1.13 mi. – 2.62 mi.

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

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

**Divided Highway — Undivided**
- **Shoulder: Width and Type:** 4' AC | 0.08 | 6' AC | 1.15 | 11' AC | 1.29 | 4' – 6' AC | 1.87 | 6' AC | 2.17 | 10' AC | 2.24 | 6' AC | 2.33 | 10' AC | 2.44 | 6' AC
- **Pavement: Width and Type:** 12' AC | 1.13 | 22' AC | 12' AC | 24' AC | 11' AC | 24' AC | 11' AC | 24' AC
- **Shoulder: Width and Type:** 0' | 0.27 | 12' GRASS 2' AC | 0.80 | 0' | 2' AC | 1.02 | 0' | 11' AC | 1.29 | 4' – 6' AC | 0' | 4' AC 6' AC 6' AC | 0' | 6' AC | 0' | 10' AC | 2.44 | 6' AC

**Divided Highway — Median:**
- **Median: Width and Type:** 6'–24' GRASS W/CURB | 0.18 | 0'–12' PAINT | 0.33 | 0.38 | 0'–12' PAINT | 0.47 | 12' GRASS (FLUSH) | 0.57 | 0'–12' PAINT | 0.89 | 12' GRASS (FLUSH) | 0'–12' PAINT | 1.46 | 0'–8' PAINT | 1.60 | 1.70 | 11' PAINTED AC | 2.11 | 2.28 | 10' PAINT

**Divided Highway — Undivided**
- **Shoulder: Width and Type:** 0' | 0.27 | 2' AC | 0.80 | 0' | 2' AC | 0' | 0' | 0' | 0'
- **Pavement: Width and Type:** 12' AC | 12' AC | 11' AC | 11' AC
- **Shoulder: Width and Type:** 4' AC | 0.08 | 6' AC | 1.13 | 4' – 6' AC | 6' AC | 6" AC | 2.33 | 10' AC | 2.44 | 6' AC

**Number of Traffic Lanes:** 2 – 12' | 2 – 11' | 2 – 12' | 2 – 11' | 2 – 12' | 2 – 11' | 2.38 | 2 – 12'

**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)** ALL T.L.S. 12' UNLESS NOTED

**(Right Side)** ALL T.L.S. 12' UNLESS NOTED

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

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

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

T. S. | C. & G. | L. D. D. | B. C. | B. C. | B. C.

**Protective Devices: Type, Location and Number:** 1.60 – 1.69 WOOD RAILS ON CONCRETE POSTS | 2.52 METAL RAILS ON CONCRETE POSTS

**Illumination: Type, Location and Number:** MV | 0.06 | 0.15 | MV | 0.29 | 1 MV | 0.49 | 0.89 | MV | 1.60

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative:** 2.00 – –1 – 2.18

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

**Area and Development:** U R B A N

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous:** FLAT | 1.60 | ROLLING

**Speed: 1–Design, 2–Posted:** 30 MPH (2) / 35 MPH (2) | 1.29 | 30 MPH (2)

**Intersection Control Devices: Type, Location and Cycle Timing:** 1.13 3 PHASE | 3 PHASE

**Traffic Station:** 0.45 B74 3400 00000 | 0.89 | 1.54 B74 3400 00113 | B74 3400 00232

**HPMS Section:** 1.00 | 2.20 | 2.45

**AADT** (Year 2006): 37,500 | 1.13 | 11,800 | 2.32 | 6,800 | 2.62

**DOD Sections**

**Census Tracts**

**Functional Classification:** MINOR ARTERIAL

**National Highway System (NHS)**

**Previous Projects: Project No., Date and Limits:**
- 0.14 3400A-02-91 1995 IMPROVEMENTS | 1.13 | 1.86
- 3400AB-02-90 1992 IMPROVEMENTS | 3400A-01-88M 1988 RESURFACE
- S-0340 (1) 1955, 1956 | 1.12 | COUNTY | 1.51 | S-247(1) 1952, 1953 | 1.87 | S-0341(3) 1966, 1967

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

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Nov., 06 | D.B. |

# ROAD INVENTORY
# MAUI RTE 3500
# PUUNENE AVENUE

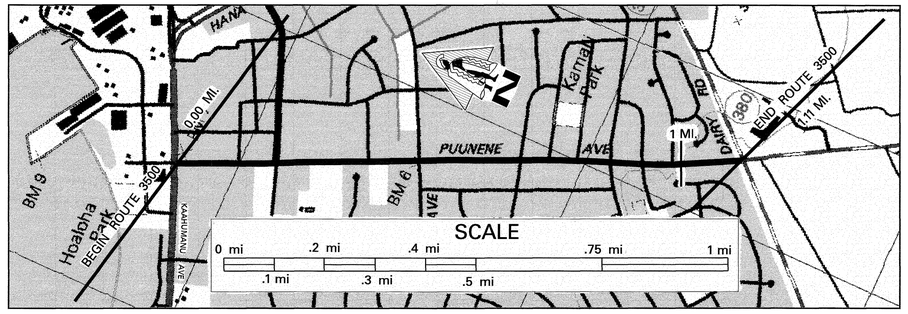
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

**Total Route Length:** 1.11 miles
- **a. Survey Length:** 1.11 miles
- **b. Proposed Length:** 0.00 miles
- **c. Other Length: *** 0.00 miles

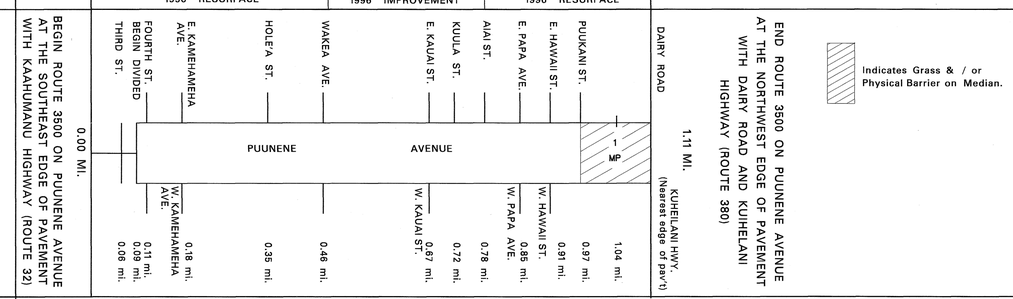
*




| | | |
|---|---|---|
| | **SCALE: (In Miles) 4" = 1 mile** | 0 … 1 … 2 … 3 |
| | **Maintenance Control Sections : Length and Description** | Begin 3500A on Puunene Avenue 85' S. of centerline with Kaahumanu Avenue. (0.00) — 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** | |
| 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)** | RESIDENTIAL / COMMERCIAL (1.00) |
| | **Right of Way Fence: Type – Right and Left** | CHAINLINK (0.04–0.43); TILE (0.86–0.92); CHAINLINK (0.92–0.95); CHAINLINK |
| | **Control of Access: 1–None, 2–Partial, 3–Full** | |
| | **Jurisdiction, Transfer Phase No. and Date (C to S or S to C)** | S T A T E |
| | **Project No., Type of Construction, and Year Constructed** | STP-3500(5) (0.47) — HES-STP-3500(3) (0.78) — STP-3500(5) (1.00) |
| | **Project No., Type of Construction, and Year Constructed** | 1996 RESURFACE — 1996 IMPROVEMENT — 1996 RESURFACE |

## Road Diagram

* MP = Milepost Signage




| | | |
|---|---|---|
| | **SCALE: (In Miles) 4" = 1 mile** | 0 … 1 … 2 … 3 |
| Divided Highway – Undivided | **Shoulder: Width and Type** | 2' AC (0.45) — 4' AC — 4' – 6' AC |
| Divided Highway – Undivided | **Pavement: Width and Type** | 44' AC — 22' AC — 44' AC — 11' AC — 12' AC — 12'–24' AC — 24' AC |
| Divided Highway – Undivided | **Shoulder: Width and Type** | 2'–4' AC — 0' — 2' AC — 0' — 6' AC |
| Divided Highway | **Median: Width and Type** | 0.09 — 0' – 10' PAINTED (0.28) — 0.38 — 11' PAINTED AC (0.55) — 10' PAINTED AC (0.73) — 12' PAINTED AC (0.98) — 0'–30' TREES AND GUARDRAILS (L & R) |
| Divided Highway | **Shoulder: Width and Type** | 0' — 0' — 6' AC |
| Divided Highway | **Pavement: Width and Type** | 22' AC — 22' AC (0.45) — 11' AC — 12' AC |
| Divided Highway | **Shoulder: Width and Type** | 2' AC — 2' AC — 4' AC — 4' – 6' AC (0.98) — (1.05) |
| | **Number of Traffic Lanes** | 4 – 11' — (L) 1–11' (R) 2–11' — 2 – 12' — 1 – 12' — 1 – 12' — 12'–24' — 2 – 12' |
| | **Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)** | (0.04) 11' (0.13) — (0.20) 10' (0.24) — (0.41) 11' (0.44) — (0.53) 11' (0.62) — (0.67) 10' (0.72) — (0.74) 10' (0.78) — (0.80) 10' (0.85) — 12' (0.94) — (0.97) 12' (1.05) 11' (1.04) |
| | **(Right Side)** | 10' — 11' (0.45) — 10' — 12' — 11' |
| | **Frontage Road: No. of Lanes, and Width (Right and Left)** | |
| | **Sidewalk: Width and Type (Right and Left)** | 6'–8' CONC. S/W — 6' CONC. S/W — 4' BITUMINOUS S/W (0.97) |
| | **Curb and/or Gutter: Type (Right and Left)** | 6'–10' CONC. S/W — 4' AC S/W — 4' BITUMINOUS S/W; CONC. CURB — CONC. CURB (0.45); CONC. CURB — B.P. CURB |
| | **Protective Devices: Type, Location and Number** | (0.17) (0.25) (0.97) M / M |
| | **Illumination: Type, Location and Number** | 18 MV |
| | **Curves: Degree of Curvature (Right and Left)** | |
| | **Superelevation (Range)** | |
| | **Grades: % Grade, Positive or Negative** | |
| | **Vertical Curve: Crest or Sag, Curve Limits** | |
| | **Area and Development:** | U R B A N |
| | **Terrain: 1–Flat, 2–Rolling, 3–Mountainous** | F L A T |
| | **Speed: 1–Design, 2–Posted** | 30 MPH (2) |
| | **Intersection Control Devices: Type, Location and Cycle Timing** | 4 PHASE TRAFFIC LIGHT (0.45) — 3 PHASE (0.95) |
| | **Traffic Station** | (0.10) B74 3500 00000 — B74 3500 00046 |
| | **HPMS Section** | (0.35) — (1.00) |
| | **AADT** (Year 2006) | 19,300 — (0.45) — 24,800 |
| | **DOD Sections** | DOD 680 |
| | **Census Tracts** | |
| | **Functional Classification** | PRINCIPAL ARTERIAL |
| | **National Highway System (NHS)** | N H S |
| | **Previous Projects: Project No., Date and Limits** | |
| | | STP-3500 (5) 1996 RESURFACE (1.00) |
| | | (0.00) HES 3500(4) 1994 (0.28) |
| | | 380A-01-72 1976 RESURFACE (0.92) M – 3500 1981 |
| | **SCALE: (In Miles) 4" = 1 mile** | 0 … 1 … 2 … 3 |

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| FEB.,06 | D.B. |
| Nov., 06 | D.B. |

# ROAD INVENTORY

# MAUI RTE 3800
# PROPOSED AIRPORT EXTENSION

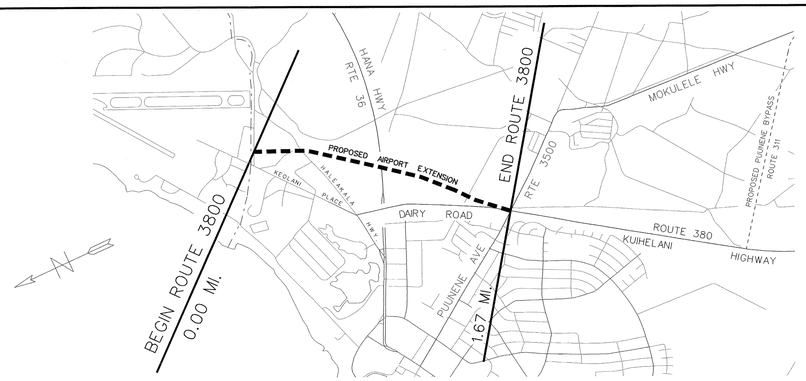
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

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

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____




SCALE: (In Miles) 4" = 1 mile

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

## Road Diagram

* MP = Milepost Signage

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

**Proposed Airport Extension**

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

SCALE: (In Miles) 4" = 1 mile

| | | |
|---|---|---|
| Divided Highway – Undivided | Shoulder: Width and Type | |
| | Pavement: Width and Type | |
| | Shoulder: Width and Type | |
| | Median: Width and Type | |
| | Shoulder: Width and Type | |
| | Pavement: Width and Type | |
| | Shoulder: Width and Type | |
| Number of Traffic Lanes | | |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | | |
| (Right Side) | | |
| Frontage Road: No. of Lanes, and Width (Right and Left) | | |
| Sidewalk: Width and Type (Right and Left) | | |
| Curb and/or Gutter: Type (Right and Left) | | |
| Protective Devices: Type, Location and Number | | |
| Illumination: Type, Location and Number | | |
| Curves: Degree of Curvature (Right and Left) | | |
| Superelevation (Range) | | |
| Grades: % Grade, Positive or Negative | | |
| Vertical Curve: Crest or Sag, Curve Limits | | |
| Area and Development: | Urban | |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | | |
| Speed: 1–Design, 2–Posted | | |
| Intersection Control Devices: Type, Location and Cycle Timing | | |
| Traffic Station | 874 3800 00000 | |
| HPMS Section | | |
| AADT | | |
| DOD Sections | | |
| Census Tracts | | |
| Functional Classification | Principle Arterial | |
| National Highway System (NHS) | NHS | |
| Previous Projects: Project No., Date and Limits | | |

SCALE: (In Miles) 4" = 1 mile

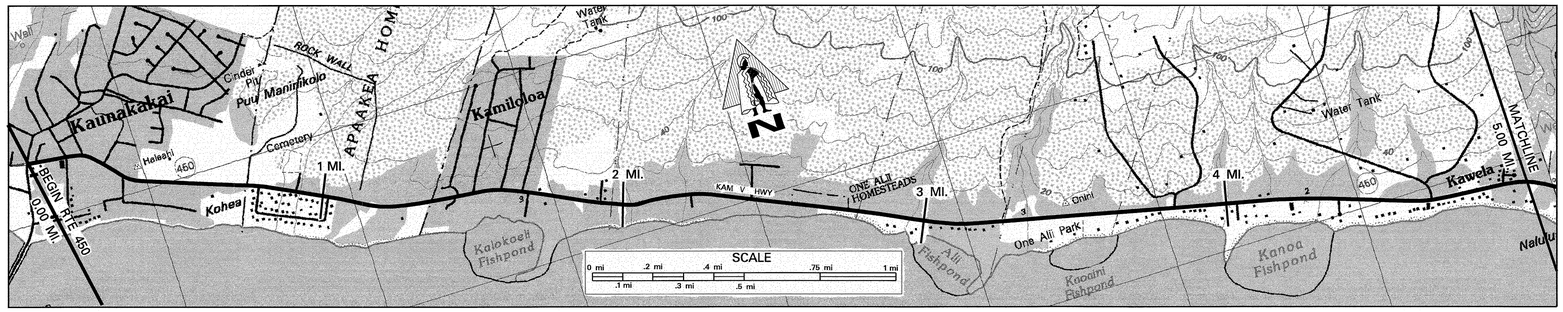
| Date Released | |
|---|---|
| July 2002, DB | |
| **Revised** | |
| FEB., 06 | D.B. |
| Nov., 06 | D.B. |

# ROAD INVENTORY
# MOLOKAI RTE 450
# KAMEHAMEHA V HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

**Total Route Length:** 27.51 miles
**a. Survey Length:** 27.51 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles
*




SCALE: (In Miles) 4" = 1 mile

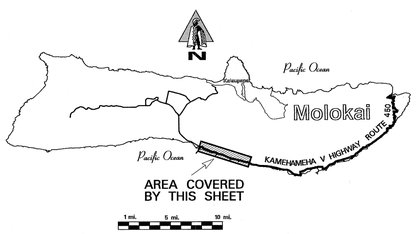
**Maintenance Control Sections : Length and Description**

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

**Structure Carrying Road**
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: SLAB 1940 H15 (25') — SLAB 1940 H20 (23')
- Vertical Clearance
- Horizontal Clearance: 26' — 26'

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

**Right of Way Width (min.–max.) if varies:** 60' – 80' (1.00) — 80' (3.46)
**Available Right of Way Width (Needs Study):** RESIDENTIAL AREA — TREES AND BUSHES (FEW HOMES)
**Right of Way Fence: Type – Right and Left:** 3.16 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:** 0.01 450AB-01-01M 2001 RESURFACE (1.80)
**Project No., Type of Construction, and Year Constructed:** 1.28 STP-0450(7) 1998 (1.79) — 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)

KAM V HWY

| Milepost | Feature |
|---|---|
| 0.00 mi. (0 MP) | BEGIN ROUTE 450 ON KAM V HIGHWAY AT THE EAST EDGE OF PAVEMENT OF KAUNAKAKAI PLACE (ROUTE 460) |
| 0.02 mi. | MOHALA ST. |
| 0.12 mi. | KAMOI ST. |
| 0.18 mi. | AILOA ST. |
| 0.25 mi. | OKI PLACE |
| 0.28 mi. | KAUNAKAKAI SCH. |
| 0.32 mi. | ROAD TO "DUKE MALIU" PARK |
| 0.46 mi. | ALANUI KAIMI IKE EDUCATION CTR. |
| 0.69 mi. | KAPAKEA LOOP |
| 0.77 mi. | CULVERT |
| 0.85 mi. | KAPAKEA CEMETERY |
| 0.89 mi. | CULVERT |
| 0.90 mi. | KAPAKEA LOOP |
| 0.99 mi. | KAPAKEA LOOP |
| 1.00 mi. (1 MP) | |
| 1.19 mi. | CULVERT |
| 1.34 mi. | HOTEL ENT. |
| 1.40 mi. | HOTEL ENT. |
| 1.42 mi. | KAMILOLOA PLACE |
| 1.47 mi. | AAHI PLACE |
| 1.53 mi. | CULVERT |
| 1.56 mi. | ILIAHI PLACE |
| 1.63 mi. | CULVERT |
| 1.63 mi. | KAHUNAI PLACE |
| 1.70 mi. | OPUA PLACE |
| 1.89 mi. | OHAI ALII PLACE |
| 1.99 mi. | KAMILOLOA BRIDGE |
| 2.00 mi. (2 MP) | |
| 2.39 mi. | PANO PLACE |
| 2.47 mi. | CULVERT |
| 3.00 mi. (3 MP) | |
| 3.33 mi. | ONEALI PARK #1 |
| 3.76 mi. | KAWELA PLANTATION #3 |
| 3.94 mi. | MAKAKUPAIA BRIDGE |
| 4.01 mi. (4 MP) | |
| 4.30 mi. | PAVED ROAD |
| 4.59 mi. | PAVED ROAD |
| 4.66 mi. | CULVERT |
| 4.84 mi. | KAMAKANA PLACE |
| 5.00 mi. (5 MP) | |

CONTINUES ON SHEET #2

SCALE: (In Miles) 4" = 1 mile

**Divided Highway — Undivided**
- Shoulder: Width and Type: 6' AC — 4' AC (3.69)
- Pavement: Width and Type: 24' AC (1.89) — 22' AC
- Shoulder: Width and Type: 6' AC — 4' AC (3.69)

**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' (1.89) — 2 – 11'
**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side):** NONE
**(Right Side):** NONE
**Frontage Road: No. of Lanes, and Width (Right and Left)**
**Sidewalk: Width and Type (Right and Left):** 0.27 6' BP (1.01)
**Curb and/or Gutter: Type (Right and Left)**
**Protective Devices: Type, Location and Number:** 3.92 3.96
**Illumination: Type, Location and Number:** MERCURY VAPOR (1.00) (1.48) MERCURY VAPOR (2.37) 1 MV (2.90) 1 MV (3.35)
**Curves: Degree of Curvature (Right and Left)**
**Superelevation (Range)**
**Grades: % Grade, Positive or Negative:** 0.43 0 0.73 0.91 –1 1.14 1.75 +1 1.87 2.32 0 2.47 2.50 0 2.96
**Vertical Curve: Crest or Sag, Curve Limits**
**Area and Development:** RURAL
**Terrain: 1–Flat, 2–Rolling, 3–Mountainous:** FLAT (1)
**Speed: 1–Design, 2–Posted:** NOT POSTED (0.69) — 35 MPH (2)
**Intersection Control Devices: Type, Location and Cycle Timing**
**Traffic Station:** B75 0450 00000 (0.22) — B75 0450 00134 (1.36) — B75 0450 00189 (3.94)
**HPMS Section**
**AADT** (Year 2006): 5,813 — 4,500 (1.34) — 1,182 (1.89)

**DOD Sections**
**Census Tracts**
**Functional Classification:** MAJOR COLLECTOR (7)
**National Highway System (NHS):** NONE
**Previous Projects: Project No., Date and Limits:**
- HWY-M-06-96M 1997 (1.80)
- HWY-M-02-90 1991 SHOULDER IMPROVEMENT (3.69)
- 0.61 RS-0450(4) 1988 RESURFACE (1.89) — RS-0450(1) 1979 RESURFACE
- 450A-01-72 1972 RESURFACE (1.00) (1.90)
- COUNTY — FAS 2A 1940 — FAS 2A(1) 1938

SCALE: (In Miles) 4" = 1 mile

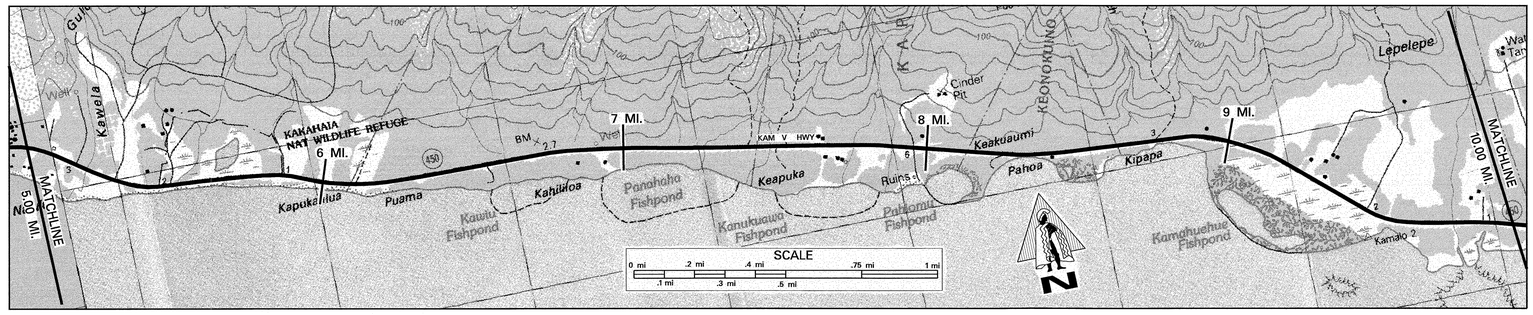
| Date Released |
|---|
| Oct 2004 GN |
| **Revised** |
| Nov., 06 D.B. |

# ROAD INVENTORY
# MOLOKAI RTE 450
# KAMEHAMEHA V HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

**Total Route Length:** 27.51 miles
**a. Survey Length:** 27.51 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles
*




SCALE: (In Miles) 4" = 1 mile

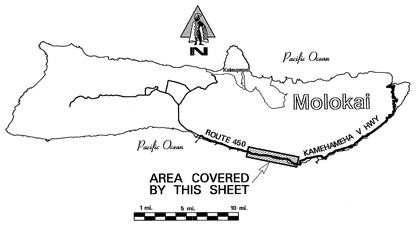
5 | 6 | 7 | 8 | 9 | 10

**Maintenance Control Sections : Length and Description**
450A (10.13 MI)

**Structure Carrying Road**
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: SLAB 1940 H15 46' (5.00); PRESTRESSED CONCRETE SLAB 1981 HS-20-44 43' (9.03)
- Vertical Clearance
- Horizontal Clearance: 26' (5.00); 28' (9.03)

**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**: WIRE ON WOOD 15' FROM PAVEMENT (5.00–5.52); NONE (5.52–8.16); WIRE ON WOOD 15' FROM PAVEMENT (8.16–9.03); WIRE ON WOOD (9.03–10.00)
**Control of Access: 1–None, 2–Partial, 3–Full**: NONE
**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**: STATE
**Project No., Type of Construction, and Year Constructed**: 450AB-01-01M 2001 RESURFACE (7.07–10.00)
**Project No., Type of Construction, and Year Constructed**: STP-0450(6) 1996 RESURFACE (5.00–7.16); STP-0450(7) 1998 (7.16–7.84); STANDARD WORD SIZE (7.84–10.00)




**Road Diagram**
* MP = Milepost Signage

CONTINUED FROM SHEET #1

5.00 mi. — KAMEHAMEHA V HIGHWAY — 10.00 mi.

KAWELA BRIDGE (5.00); KAWELA PLANTATION #1 (5.11); CULVERT (5.22); CULVERT (5.42); CULVERT (5.52); ECB (R) (5.75); CULVERT (6.01); CULVERT (6.19); CULVERT (6.46); CULVERT (7.01); CULVERT (7.15); CULVERT (7.28); FORD (7.76); PROJ. MARKER (8.03); KAMALO BRIDGE (9.65); CULVERT (9.84); CULVERT (9.91)

MP 5 (5.00); MP 6 (6.00); MP 7 (7.00); MP 8 (8.00); MP 9 (9.00)

CONTINUED ON SHEET #3

SCALE: (In Miles) 4" = 1 mile

**Divided Highway — Undivided**
- Shoulder: Width and Type: GRASS UNLESS NOTED
- Pavement: Width and Type: 22' AC (5.00–7.14); 20' AC (7.14–10.00)
- Shoulder: Width and Type: GRASS UNLESS NOTED

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

**Number of Traffic Lanes**: 2 – 11' (5.00–7.14); 2 – 10' (7.14–10.00)
**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**: NONE
**(Right Side)**: NONE
**Frontage Road: No. of Lanes, and Width (Right and Left)**
**Sidewalk: Width and Type (Right and Left)**
**Curb and/or Gutter: Type (Right and Left)**
**Protective Devices: Type, Location and Number**: ALL GUARDRAILS METAL ON METAL
**Illumination: Type, Location and Number**
**Curves: Degree of Curvature (Right and Left)**
**Superelevation (Range)**
**Grades: % Grade, Positive or Negative**: 0 (5.43–5.63); –1 (6.89–7.12)
**Vertical Curve: Crest or Sag, Curve Limits**
**Area and Development**: RURAL
**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**: FLAT (5.00–6.14); ROLLING (6.77–8.62); FLAT (8.62–10.00)
**Speed: 1–Design, 2–Posted**: 35 MPH (2) (5.00–6.19); 45 MPH (MIN. 35 MPH) (2) (6.19–8.74); 35 MPH (1) (8.74–10.00); 35 MPH (2) (8.74–10.00)
**Intersection Control Devices: Type, Location and Cycle Timing**
**Traffic Station**: B75 0450 00189 (5.00–5.22); B75 0450 00522 (5.22–7.84); B75 0450 00784 (7.84–10.00)
**HPMS Section**: 6.46
**AADT** (Year 2006): 1,182 (5.00–5.22); 1,182 (5.22–7.84); 1,030 (7.84–10.00)

**DOD Sections**
**Census Tracts**
**Functional Classification**: MAJOR COLLECTOR (7)
**National Highway System (NHS)**: NONE
**Previous Projects: Project No., Date and Limits**
- HWY-M-06-96M 1997 (7.07–10.00)
- RS-0450(1) 1979 RESURFACE (5.00–7.14); 450AB-01-89M 1990 RESURFACE (7.14–10.00)
- FAS 2A 1940 (5.00–7.13); S-2(2) 1947 (7.13–8.14); 450AB-01-76M 1976 RESURFACE (8.14–10.00)
- FAS 2A(1) 1938 (5.00–7.13); COUNTY (7.13–10.00)

SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Aug., 06 | D.B. |

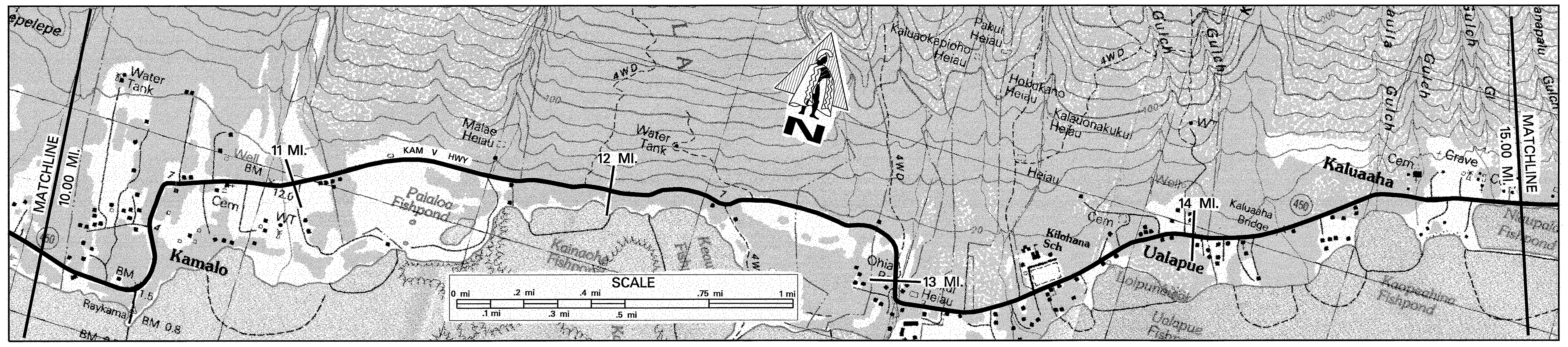
ROAD INVENTORY

# MOLOKAI RTE 450
# KAMEHAMEHA V HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

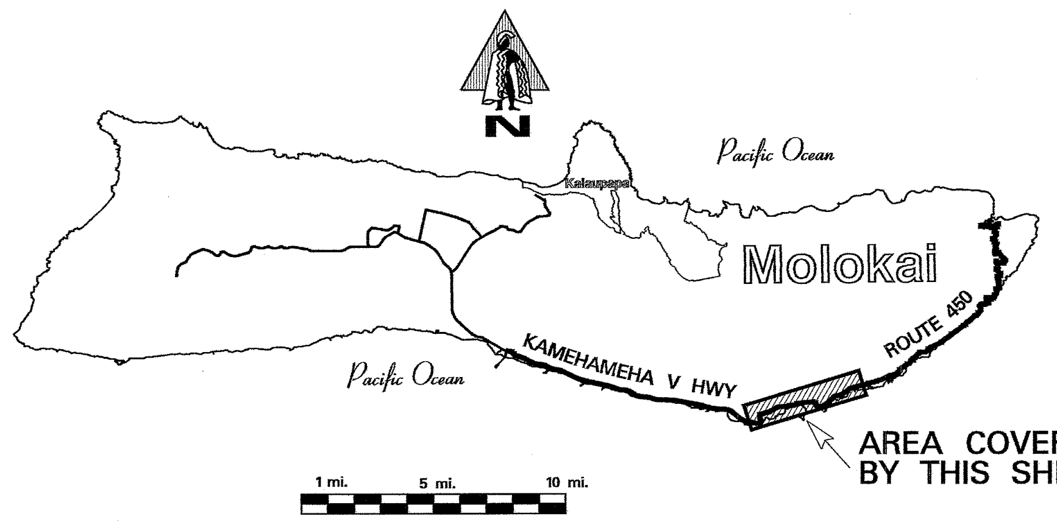
PREPARED BY THE
HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

**Total Route Length:** 27.51 miles
**a. Survey Length:** 27.51 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles
*



SCALE: (In Miles) 4" = 1 mile — 10, 11, 12, 13, 14, 15

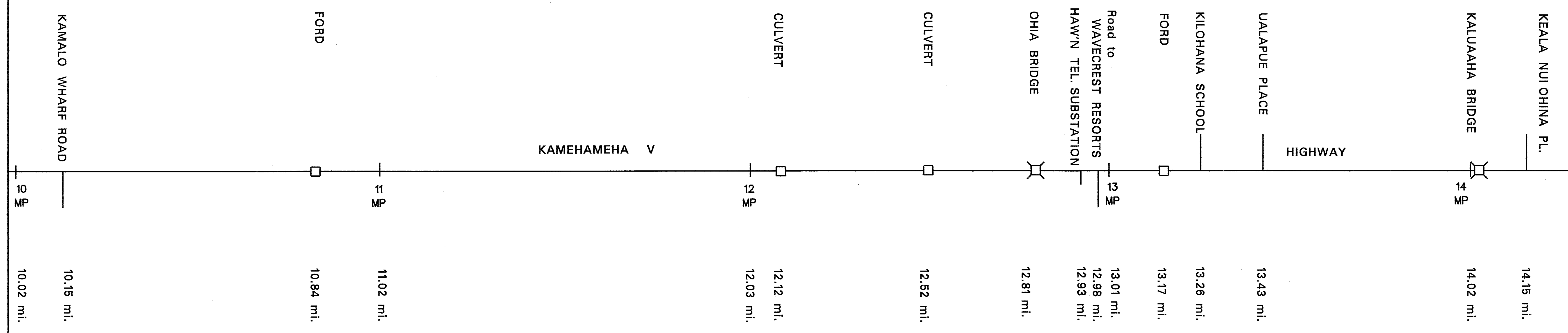
| | |
|---|---|
| Maintenance Control Sections : Length and Description | BEGIN 450 B SAME AS BEGIN SR 450; 450B (17.43 MI.) |
| Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed | 22' PRE-STRESSED SLAB 1979 HS-20 (12.81); 36' PRE-STRESSED SLAB 1979 HS-20 (14.02) |
| Structure Carrying Road — Vertical Clearance | |
| Structure Carrying Road — Horizontal Clearance | 18' (12.81); 21' (14.02) |
| 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 WOOD \| 11.99 \| WIRE ON METAL / CHAIN LINK \| 13.03 \| WIRE |
| Control of Access: 1–None, 2–Partial, 3–Full | NONE |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | STATE |
| Project No., Type of Construction, and Year Constructed | 450AB–01–01M RESURFACE \| 11.33 \| 450B–01–02M RESURFACE |
| Project No., Type of Construction, and Year Constructed | 2001 \| 2003 |



AREA COVERED BY THIS SHEET

**Road Diagram**
* MP=Milepost Signage

CONTINUED FROM SHEET #2 10.00 mi.



CONTINUES ON SHEET #4 15.00 mi.

SCALE: (In Miles) 4" = 1 mile — 10, 11, 12, 13, 14, 15

| | |
|---|---|
| Undivided — Shoulder: Width and Type (ALL GRASS UNLESS NOTED) | 6' – 8' \| 10.70 \| 4' \| 10.75 \| 6' \| 10.90 \| 10' DIRT \| 11.04 \| 8' \| 11.16 \| 6' \| 11.33 \| 2' – 4' AC \| 12.39 \| 4' AC / 2' GRASS \| 14.05 \| 2' – 4' AC |
| Undivided — Pavement: Width and Type | 18' AC |
| Undivided — Shoulder: Width and Type (ALL GRASS UNLESS NOTED) | 4' – 6' \| 10.55 \| 8' \| 10.73 \| 6' \| 10.98 \| 4' \| 11.24 \| 6' \| 2' – 4' 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' |
| 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 | 12.11 – 12.19 METAL ON METAL; 14.00 – 14.03, 14.01 METAL ON METAL |
| Illumination: Type, Location and Number | 1 INCA. 10.45 |
| Curves: Degree of Curvature (Right and Left) | |
| Superelevation (Range) | |
| Grades: % Grade, Positive or Negative | |
| Vertical Curve: Crest or Sag, Curve Limits | |
| Area and Development: | RURAL |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | FLAT (1) |
| Speed: 1–Design, 2–Posted | 35 MPH (1) \| 10.71 \| 30 MPH (2) \| 13.59 \| 20 MPH (SCHOOL ZONE) \| 14.13 \| 30 MPH (2); 35 MPH (2) \| 13.12 \| 20 MPH (SCHOOL ZONE) \| .05 |
| Intersection Control Devices: Type, Location and Cycle Timing | |
| Traffic Station | B75 0450 00784 \| B75 0450 01133 \| B75 0450 01447 |
| HPMS Section | 10.05; 13.00 |
| AADT (Year 2006) | 1,030 \| 11.33 \| 1,134 \| 14.47 \| 781 |
| DOD Sections | |
| Census Tracts | |
| Functional Classification | MAJOR COLLECTOR (7) |
| National Highway System (NHS) | NONE |
| Previous Projects: Project No., Date and Limits | 450AB–01–01M 2001 RESURFACE \| 11.35 |
| | HWY–M–01–96M 1997; 14.03 \| 14.05 450B–01–94M 1996 RESURFACE |
| | 450AB–01–89 1990 RESURFACE; 14.07 |
| | 12.35 \| 450B–02–88 1988 SHOULDER IMPROVEMENTS; 14.35 \| STP–0450(5) 1994 GUARDRAIL SHDLR. IMPROV. |
| | 450AB–01–76M 1976 RESURFACE 11.33 \| 450B–01–76M 1976 RESURFACE; 14.03 \| 14.07 450B–01–80M 1980 RESURFACE |
| | COUNTY |

SCALE: (In Miles) 4" = 1 mile — 10, 11, 12, 13, 14, 15

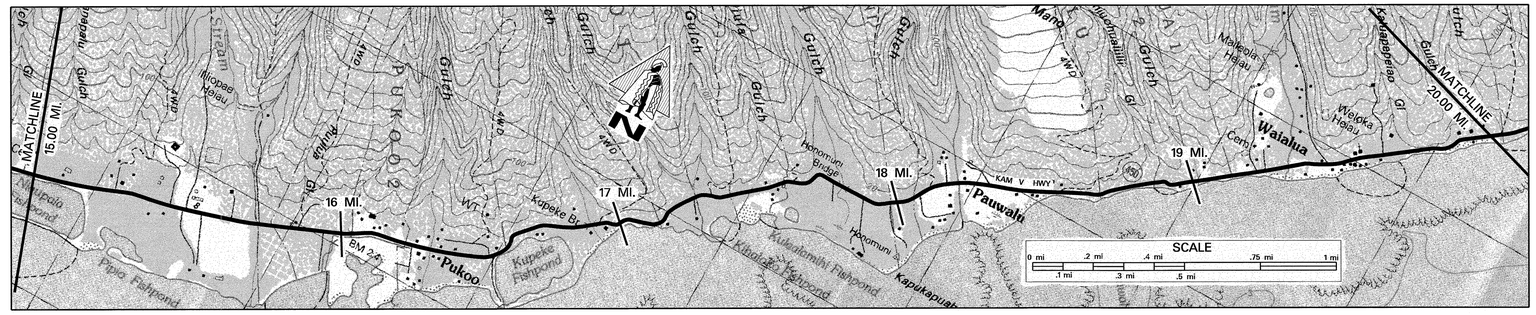
| Date Released | |
|---|---|
| Oct 2004 GN | |
| Revised | |
| Nov., 06 | D.B. |

# ROAD INVENTORY
# MOLOKAI RTE 450
# KAMEHAMEHA V HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

**Total Route Length:** 27.51 miles
**a. Survey Length:** 27.51 miles
**b. Proposed Length:** 0.00 miles
**c. Other Length: *** 0.00 miles
*




SCALE: (In Miles) 4" = 1 mile

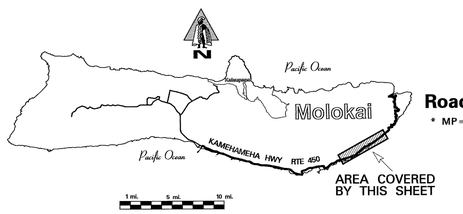
15 16 17 18 19 20

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

**Structure Carrying Road**
- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: SLAB 1950 (1968) HS20 42′; PRESTRESSED BEAM 1979 HS20 25′; PRESTRESSED BEAM 1979 HS20 16′; PRESTRESSED CONC. GIRDER 2007, HL-93 64′–2″; PRESTRESSED BEAM 1970 HS20 103′
- Vertical Clearance
- Horizontal Clearance: 20′; 21′; 21′; 32′; 26′

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

**Right of Way Width (min.–max.) if varies**: 80′
**Available Right of Way Width (Needs Study)**: TREES AND LARGE BUSHES W/ SOME HOMES AND OPEN PASTURE
**Right of Way Fence: Type – Right and Left**: WIRE ON METAL / WIRE (16.26)
**Control of Access: 1–None, 2–Partial, 3–Full**: NONE
**Jurisdiction, Transfer Phase No. and Date (C to S or S to C)**: STATE (130+00)
**Project No., Type of Construction, and Year Constructed**: 450B–01–02M RESURFACE 2003 (16.63); 450B–01–03M, RESURFACE, 2006 (17.86); (ER-12(4), BRIDGE REPLACEMENT, 2007) (18.02); 450B–01–03M, RESURFACE, 2006
**Project No., Type of Construction, and Year Constructed**: 450B–01–94M RESURFACE 1996; STP–0450(5) 1994 (19.06); COUNTY (19.06) 450B–01–88M 1988 (R)




**Road Diagram**
* MP = Milepost Signage

CONTINUED FROM SHEET #3 — 15.00 mi.

MAPULEHU BRIDGE (15.49); H.V.B. MARKER (15.49); 'ILI'ILIOPAE HEAU (15.49); BEACH PARK (15.70); FORD (16.07, 16.08); KUPEKE BRIDGE (16.65); CULVERT (17.05, 17.01); HONOMUNI BRIDGE (17.47); KAWAIKAPU BRIDGE (17.91); HIGHWAY (18.02); WAIALUA BRIDGE (19.03, 19.00)

KAMEHAMEHA V (136+40)

15 MP, 16 MP, 17 MP, 18 MP, 19 MP

CONTINUES ON SHEET #5 — 20.00 mi.

SCALE: (In Miles) 4" = 1 mile

**Divided Highway — Undivided**
- Shoulder: Width and Type: 2′ – 4′ AC; 4′ – 6′ GRASS (18.62–18.81); 0′ (18.81–18.90); 6′ GRASS (18.90–19.40); 0′ (19.40–19.56); 2′ – 6′ AC
- Pavement: Width and Type: 18′ AC; 16′ AC; 14′ BST (18.08–18.32); 14′ BP (18.32–19.56); 14′ – 18 AC
- Shoulder: Width and Type: 2′ – 4′ AC; 6′ GRS (18.62–18.81); 0′ (18.81–18.90); 6′ – 8′ GRASS (18.90–19.40); 0′ (19.40–19.56); 2′ – 6′ AC

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

**Number of Traffic Lanes**: 2–9′; 2–7′ (16.08–16.21); 2 – 8′; 2 – 7′ (19.56–19.69); 2 – (7′–9′)
**Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)**: NONE
**(Right Side)**: NONE
**Frontage Road: No. of Lanes, and Width (Right and Left)**: NONE
**Sidewalk: Width and Type (Right and Left)**: NONE
**Curb and/or Gutter: Type (Right and Left)**: NONE
**Protective Devices: Type, Location and Number** METAL ON METAL: 15.40–15.47; 15.51; 16.55–16.63; 17.51–17.48; 17.86–17.91; 19.56–19.69
**Illumination: Type, Location and Number**
**Curves: Degree of Curvature (Right and Left)**
**Superelevation (Range)**
**Grades: % Grade, Positive or Negative**
**Vertical Curve: Crest or Sag, Curve Limits**
**Area and Development**: RURAL
**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**: FLAT (1) (16.00); ROLLING / FLAT
**Speed: 1–Design, 2–Posted**: 30 MPH (2); (1) 20 MPH (16.63–16.40); 30 MPH (2); 10 MPH (1) / 20 MPH (1) (19.63)
**Intersection Control Devices: Type, Location and Cycle Timing**
**Traffic Station**: B75 0450 01447; B75 0450 01665; B75 0450 01966
**HPMS Section**: 15.49; 17.47; 19.90
**AADT** (Year 2006): 781; 418 (16.65); 418 (19.69)
**DOD Sections**
**Census Tracts**
**Functional Classification**: MAJOR COLLECTOR (7)
**National Highway System (NHS)**: NONE
**Previous Projects: Project No., Date and Limits**: 450B–01–94M 1996 RESURFACE; 450B–01–03M, RESURFACE, 2006 (130+00); STP–0450(5) 1994 GUARDRAIL AND SHOULDER IMPROVEMENTS (18.62); 450B–01–80M 1980 RESURFACE (16.08–16.21); 450B–01–81M 1981 RESURFACE (19.56); 450B–01–87M 1987 RESURFACE (19.69); COUNTY

SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Nov., 06 | D.B. |
| Feb., 08 | D.B. |

# ROAD INVENTORY

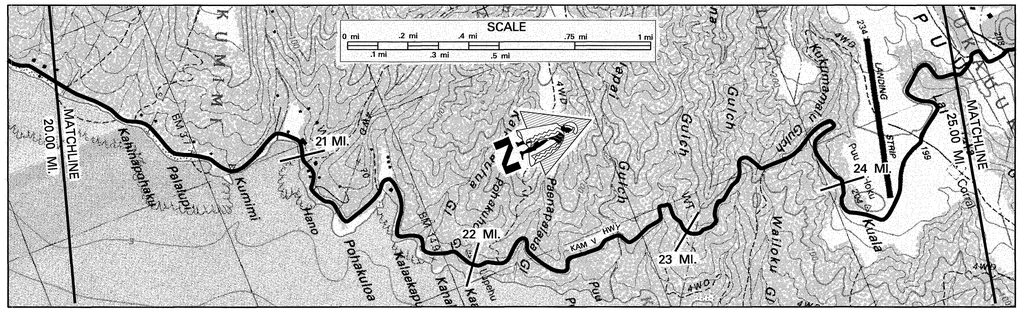
# MOLOKAI RTE 450
# KAMEHAMEHA V HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

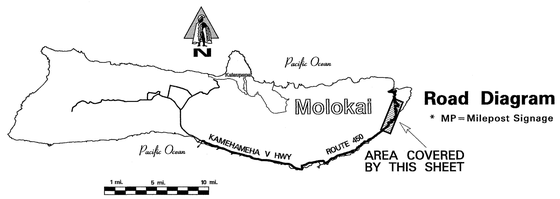
**Total Route Length:** 27.51 miles
- a. Survey Length: 27.51 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: * 0.00 miles

*




SCALE: (In Miles) 4" = 1 mile

| | | | |
|---|---|---|---|
| Maintenance Control Sections : Length and Description | | | 450B (17.43 MI.) |
| Structure Carrying Road | Bridges (Over 20'): Length, Type, Capacity and Year Constructed | | 56' CULVERT 1960 HS20; 16' TIMBER STRINGER 1950 H10 |
| | Vertical Clearance | | |
| | Horizontal Clearance | | 12'; 13' |
| Structure Over Road | Vertical Clearance | | |
| | Horizontal Clearance | | |
| Right of Way Width (min.-max.) if varies | | | 80' |
| Available Right of Way Width (Needs Study) | | | TREES BUSHES AND SOME OPEN PASTURE |
| Right of Way Fence: Type – Right and Left | | | 21.55: WOOD POST W/WIRE 10'-15' FROM PAVEMENT; 23.72: WOOD ON WIRE 10'-15' FROM PAVEMENT |
| Control of Access: 1–None, 2–Partial, 3–Full | | | N O N E |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | | | 420+00: S T A T E |
| Project No., Type of Construction, and Year Constructed | | | 450B-01-03M, RESURFACE, 2006 (22.04); 450B-01-88M RESURFACE 1988 (24.98); (450B-01-92M (R) 1993) |
| Project No., Type of Construction, and Year Constructed | | | |




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

CONTINUED FROM SHEET #4

20.00 mi. — HONOULIWAI BR. (3 ARCH CULVERT) 20.10 mi. — 20.53 mi. — HONOULIMALOO BR. 21 MP (373+10) 21.15 mi. 21.12 mi. — KAMEHAMEHA V HIGHWAY — CULVERT 22.57 mi. — CULVERT 23 MP 23.04 mi. 23.03 mi. — BRANT FIELD 24 MP 24.03 mi. 24.24 mi. — RANCH ROAD 25 MP 24.98 mi. 24.94 mi. — 25.00 mi.

CONTINUES ON SHEET #6

SCALE: (In Miles) 4" = 1 mile

| | | | |
|---|---|---|---|
| Divided Highway – Undivided | Shoulder: Width and Type | | 2' – 6' AC; 24.98: (2' AC) |
| | Pavement: Width and Type | | 14' – 18' AC; 24.98: (14' AC) |
| | Shoulder: Width and Type | | 2' – 6' AC; 24.98: (2' AC) |
| Divided Highway | Median: Width and Type | | |
| | Shoulder: Width and Type | | |
| | Pavement: Width and Type | | |
| | Shoulder: Width and Type | | |
| Number of Traffic Lanes | | | 2 – (7' – 9'); 24.98: (2-7') |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | | | N O N E |
| (Right Side) | | | N O N E |
| Frontage Road: No. of Lanes, and Width (Right and Left) | | | |
| Sidewalk: Width and Type (Right and Left) | | | N O N E |
| Curb and/or Gutter: Type (Right and Left) | | | N O N E |
| Protective Devices: Type, Location and Number | | | PORTABLE CONC. BARRIER 20.01–20.10 |
| Illumination: Type, Location and Number | | | N O N E |
| Curves: Degree of Curvature (Right and Left) | | | |
| Superelevation (Range) | | | |
| Grades: % Grade, Positive or Negative | | | |
| Vertical Curve: Crest or Sag, Curve Limits | | | |
| Area and Development: | | | R U R A L |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | | | ROLLING 20.20; MOUNTAINOUS 21.55; F L A T 21.93; MOUNTAINOUS |
| Speed: 1–Design, 2–Posted | | | 10 MPH (1); 20 MPH (2); 22.04; 20 MPH (2) |
| Intersection Control Devices: Type, Location and Cycle Timing | | | |
| Traffic Station | | | B75 0450 01966; 24.98: (B75 0450 02494) |
| HPMS Section | | | |
| AADT | (Year 2006) | | 418; 24.94: 400 |
| DOD Sections | | | |
| Census Tracts | | | |
| Functional Classification | | | MAJOR COLLECTOR (7) |
| National Highway System (NHS) | | | NONE |
| Previous Projects: Project No., Date and Limits | | | |
| | | | 450B-01-87M 1987 RESURFACE; 24.98: COUNTY |

SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Nov., 06 | D.B. |

# ROAD INVENTORY

# MOLOKAI RTE 450
# KAMEHAMEHA V HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

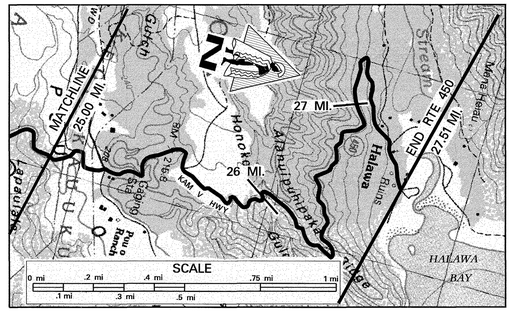
**Total Route Length:** 27.51 miles

a. Survey Length: 27.51 miles

b. Proposed Length: 0.00 miles

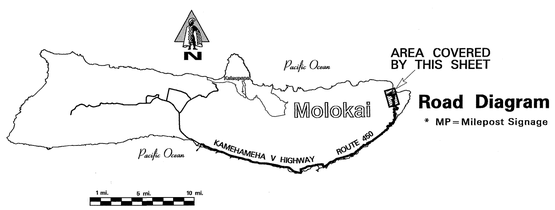
c. Other Length: * 0.00 miles

*

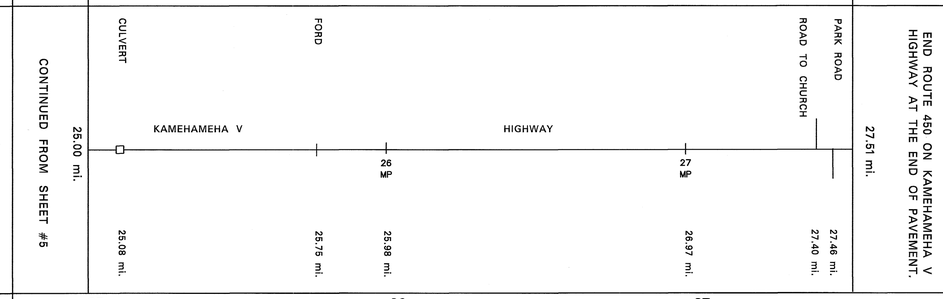



SCALE: (In Miles) 4" = 1 mile

| | | | |
|---|---|---|---|
| Maintenance Control Sections : Length and Description | | 450 B (17.43 MI.) | |
| Structure Carrying Road | Bridges (Over 20'): Length, Type, Capacity and Year Constructed | CULVERT | |
| | Vertical Clearance | | |
| | Horizontal Clearance | | |
| Structure Over Road | Vertical Clearance | | |
| | Horizontal Clearance | | |
| Right of Way Width (min.-max.) if varies | | | |
| Available Right of Way Width (Needs Study) | | | |
| Right of Way Fence: Type – Right and Left | | WOOD ON WIRE 10'-15' FROM PAVEMENT 26.55; WOOD ON WIRE 10'-15' FROM PAVEMENT | |
| Control of Access: 1–None, 2–Partial, 3–Full | | N O N E | |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | | S T A T E | |
| Project No., Type of Construction, and Year Constructed | | 450B-01-92M RESURFACE | |
| Project No., Type of Construction, and Year Constructed | | 1993 | |




**Road Diagram**
* MP = Milepost Signage




SCALE: (In Miles) 4" = 1 mile

| | | | |
|---|---|---|---|
| Divided Highway – Undivided | Shoulder: Width and Type | 2' AC | |
| | Pavement: Width and Type | 14' AC | |
| | Shoulder: Width and Type | 2' AC | |
| Divided Highway | Median: Width and Type | | |
| | Shoulder: Width and Type | | |
| | Pavement: Width and Type | | |
| | Shoulder: Width and Type | | |
| Number of Traffic Lanes | | 2 – 7' | |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | | N O N E | |
| (Right Side) | | N O N E | |
| Frontage Road: No. of Lanes, and Width (Right and Left) | | | |
| Sidewalk: Width and Type (Right and Left) | | N O N E | |
| Curb and/or Gutter: Type (Right and Left) | | N O N E | |
| Protective Devices: Type, Location and Number | | 25.06 (CRM) ROCK WALL M/M 26.91; 26.85 | |
| Illumination: Type, Location and Number | | N O N E | |
| Curves: Degree of Curvature (Right and Left) | | | |
| Superelevation (Range) | | | |
| Grades: % Grade, Positive or Negative | | | |
| Vertical Curve: Crest or Sag, Curve Limits | | | |
| Area and Development: | | R U R A L | |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | | MOUNTAINOUS 27.01 ROLLING | |
| Speed: 1–Design, 2–Posted | | 20 MPH (2) 26.01; SPEED NOT POSTED | |
| Intersection Control Devices: Type, Location and Cycle Timing | | | |
| Traffic Station | | B75 0450 02494 | |
| HPMS Section | | | |
| AADT (Year 2006) | | 400 | |
| DOD Sections | | | |
| Census Tracts | | | |
| Functional Classification | | MAJOR COLLECTOR (7) | |
| National Highway System (NHS) | | NONE | |
| Previous Projects: Project No., Date and Limits | | | |
| | | COUNTY | |

SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Nov., 06 | D.B. |

# ROAD INVENTORY

# MOLOKAI RTE 460

## KAUNAKAKAI PLACE AND MAUNALOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

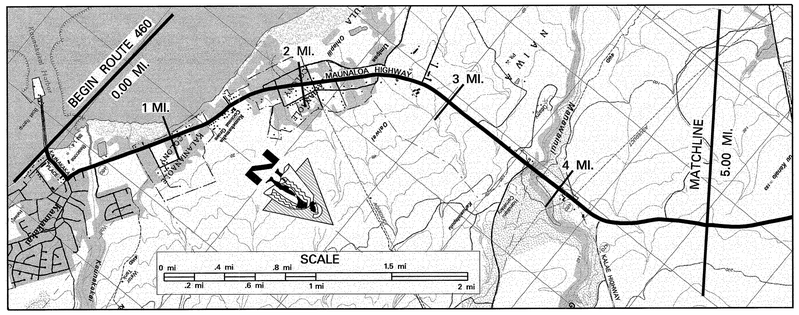
**Total Route Length:** 16.56 miles

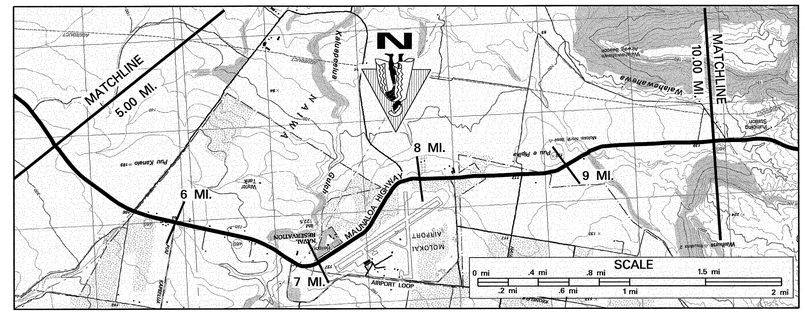
a. **Survey Length:** 16.56 miles

b. **Proposed Length:** 0.00 miles

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

*




SCALE: (In Miles) 2" = 1 mile

**Maintenance Control Sections : Length and Description**

Begin 460A Same As Begin Rte 460 — 460A (16.56 mi.)

**Structure Carrying Road**

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

Culvert 1959 (1971) HS-20 — 73' (0.43)

Slab 1954 H-20 — 35' (1.66), 35' (1.83), 35' (2.29), 35' (2.54)

Prestressed Conc. Girder 1988, HS-20-44 — 364' (8.76)

**Vertical Clearance**

36' | 36' | 36' | 36' | 36' | 41'

**Horizontal Clearance**

**Structure Over Road**

**Vertical Clearance**

**Horizontal Clearance**

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

80' (3.77) | 70'-160' (4.38) | 80'-160' (8.72) | 50' (8.81) | 80'-110' (7.84) | 100' (9.80) | 80'-400'

**Available Right of Way Width (Needs Study)**

Residential Area (1.53) | 1000' Clear - Grass, Bushes 10'-15' from Pavement (2.02) | 1000' Clear Pineapple 15'-25' from Pavement (4.45) | Ranch and Pasture (5.71) | Airport 30' (7.04) | Clear 1000' Pineapple/Grass Pasture (7.85)

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

Wire on Wood 10' from Pavement (2.02 – 4.01); Wire on Wood 10' from Pavement (1.88 – 2.29); Wire on Wood 10' from Pavement (8.04 – 8.31); ChainLink (7.09 – 7.49)

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

None

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

State

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

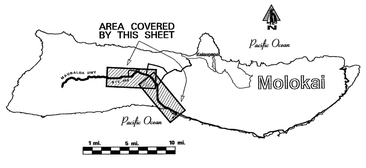
STP-0460(11), 1997 | STP-0460(12), Resurface, 1998

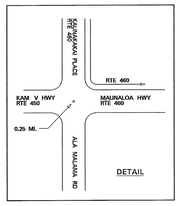
**Project No., Type of Construction, and Year Constructed**

STP-0460(11), 1997 (5.49) | 5.51

## Road Diagram

* MP = Milepost Signage




BEGIN RTE 460 ON KAUNAKAKAI PLACE AT THE BEGINNING OF KAUNAKAKAI WHARF. 0.00 MI.

KAUNAKAKAI PLACE

Beach Pl. (0.05 mi.) | Mo Pl. (0.15 mi.) | State Beyond Ala Malama Jct. (0.23 mi.) | Manila Pl. (0.28 mi.) | County Beyond State Beyond (0.33 mi.) | Begin Ford (0.38 mi.) | End Ford (0.50 mi.) | Pollution Control Road (0.58 mi.)

1 MP | Begin Truck Weigh Sta. (0.86 mi.) | Olelo Pl. (0.93 mi.) | Begin Truck Weigh Sta. (1.00 mi.) | Road (R) Owl (R) (1.14 mi.) | Road (L) (1.24 mi.) | Kapuhiwa Rd. (1.35 mi.) | "Coconut Grove" (1.38 mi.) | Begin of Kowena (1.50 mi.) | Kahiwa St. (R) (1.56 mi.) | Kaunamano Br. #4 (1.66 mi.) | Road (L) (1.82 mi.) | Road (L) (1.83 mi.) | Lehua Ave (1.84 mi.) | Kalamauia Br. #3 (1.83 mi.) | Kahanu Ave (2.06 mi.) | Kalamauia Br. #2 (2.29 mi.) | Kalamanaole Ave (2.24 mi.) | Begin Divided Paved Road Lilelike Ave. (2.67 mi.) | Begin Divided Paved Road Lilelike Ave. #1 (2.64 mi.) | (2.54 mi.) | End Divided Rd. to Church "Ulili Street (L) (2.84 mi.) | (R) (L) (2.82 mi.) | Paved Road to Land Fill (3.30 mi.) | Paved Rd. Water Tank (L) (3.62 mi.) | Manawaiiui Br. Road to Cemetery (3.57 mi.) | End (3.83 mi.) Begin (3.76 mi.) | Paved Rd. (4.02 mi.) | Kalae Hwy (Rte 470) Del Monte Corp. Rd. (4.28 mi.) | 4 MP

MAUNALOA HIGHWAY

Culvert (4.38 mi.) | Culvert (5.02 mi.) | 5 MP | Culvert (5.23 mi.) | Culvert (5.61 mi.) | Puupuelua Ave (Rte 480) (6.05 mi.) | 6 MP | Culvert (6.10 mi.) | Airport Loop (Rte 465) (6.96 mi.) | 7 MP | Culvert (7.01 mi.) | Hualai Rd. (7.88 mi.) | Culvert (7.89 mi.) | Culvert (7.98 mi.) | Culvert (7.99 mi.) | Launui St. (Airport Loop) (Rte 465) (8.31 mi.) | 8 MP | Culvert (8.43 mi.) | Culvert (8.51 mi.) | Road (8.79 mi.) | 9 MP | Culvert (8.99 mi.) | Culvert (9.40 mi.) | Project Mkr. S-2(11) (9.78 mi.) | 10 MP (9.97 mi.)

CONTINUED ON SHEET #2

SCALE: (In Miles) 2" = 1 mile

**Divided Highway — Undivided**

**Shoulder: Width and Type**

4' AC (0.39) | 8' AC (0.50) | 4' AC (0.93) | 20' PCC (Truck Wt. Sta.) (0.89) | 4' AC | (8' PCC) | 4' AC (5.87) | 8' AC (6.73) | 4' AC (6.85) | 8' AC (6.93) | 4' AC

**Pavement: Width and Type**

24' AC | 12' AC | 24' AC | 12' AC | 24' AC | (24' PCC) | 24' AC (8' AC) | 22' AC (9.78)

**Shoulder: Width and Type**

4' AC (0.39) | 8' AC (0.50) | 4' AC | 0 | 4' AC | 0 | 4' AC | (8' PCC) | 4' AC (4.03) | 6' AC (4.89) | 4' AC (5.77) | 8' AC (6.06) | 4' AC (6.21) | 8' AC (6.72) | 4' AC (6.87) | 6.93 | 4' AC

**Median: Width and Type**

12' Painted AC (1.26 – 1.62) | 12' Painted AC (2.67 – 2.99)

**Median Barriers:**

**Shoulder: Width and Type**

0 | 0

**Pavement: Width and Type**

12' AC | 12' AC

**Shoulder: Width and Type**

4' AC | 4' AC

**Number of Traffic Lanes**

2-12' | 2-11' (9.78)

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

1-12' (L) TL (1.44 – 1.96)

**(Right Side)**

(L) (3.30 – 3.43) | (L) (4.37 – 4.40) | (L) (4.30) | 12' Lanes (2.84 – 2.90) | (L) (2.72 – 2.82)

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

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

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

3' Conc. Gutter (4.43 – 4.69) | AC Curb (5.87 – 6.06) | AC Curb (6.21 – 6.72) | AC Curb (6.73 – 7.48)

**Protective Devices: Type, Location and Number** — Metal Rails on Metal Posts (2.61 – 3.42) | (3.34 – 3.40)

**Illumination: Type, Location and Number** — Mercury Vapor (1.49 – 2.83)

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**

0.67 | -1 (1.04 – 1.23) | +1 (1.96 – 2.21) | -1 (2.22 – 3.03) | -6 (3.30 – 3.90) | -8 (4.16 – 5.07) | +2 (5.25 – 5.89) | -1 (6.35 – 7.18) | -1 (7.49 – 8.31) | -1 (8.86 – 9.09) | +1 (9.25 – 9.45) | -2 (9.78) | -2

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

**Area and Development:**

Rural

**Terrain: 1-Flat, 2-Rolling, 3-Mountainous**

0.62 Flat 2.85 Rolling 5.56 Flat

**Speed: 1-Design, 2-Posted**

35 MPH (2) (0.62 – 0.82)

20 MPH (2)

45 MPH (2)

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

**Traffic Station**

B75 0460 00000 (0.13) | B75 0460 00025 (0.38) | B75 0460 00135 (2.18) | B75 0460 00282 (4.14) | B75 0460 00438 (5.93) | B75 0460 00610 (6.21) | B75 0460 00696 (7.47) | B75 0460 00831

**HPMS Section**

**AADT** (Year 2006)

1,300 (0.25) | 6,800 (1.35) | 5,200 (2.82) | 4,700 (4.38) | 2,585 (6.10) | 1,381 (6.96) | 1,400 (8.31) | 1,336

**DOD Sections**

**Census Tracts**

**Functional Classification**

Major Collector (7)

**National Highway System (NHS)**

None

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

460A-01-90M (Shoulder Paving), 1991 | 6.65 460A-01-91M (Shoulder Paving), 1992 (6.98)

RS-0460(1) Resurface, 1979

(NRH 19-A, 1935) — 0.43 — 0.53 — (46A-02-71,1971) — 0.29 — F-19(4) 1953, 1954 — 3.11 — 3.76 — 3.83 — (BR-0460(9), Bridge Replacement, 1988) — 4.12 — FAP 19D, 1939 — F-046(1), 1955 — 5.62 — 5.61 — RS-0460(8), Resurf., 1987 — NRH 34 A(1) 1939 — 6.68 — 6.84 — F-046(1), 1955 — 7.04 — 7.85 — 460B-01-83M Resurf., 1983 — F-34(2), 1952 — 9.80 — Sta. 360 + 00 (FAS 21(1), 1949) — Sta. 0 + 00 — Sta. 463 + 28

SCALE: (In Miles) 2" = 1 mile

| Date Released | |
|---|---|
| Mar. 04, D.B. | |
| **Revised** | |
| Nov., 06 | D.B. |

# ROAD INVENTORY

# MOLOKAI RTE 460

## KAUNAKAKAI PLACE AND MAUNALOA HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

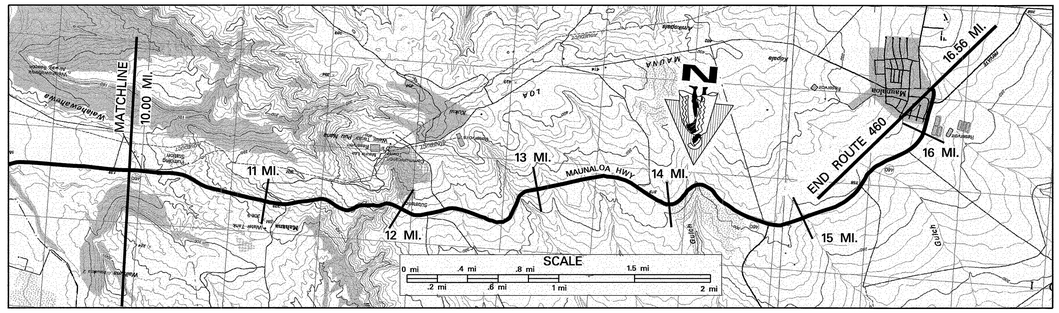
**Total Route Length:** 16.56 miles

a. **Survey Length:** 16.56 miles

b. **Proposed Length:** 0.00 miles

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

*




SCALE: (In Miles) 2" = 1 mile

**Maintenance Control Sections : Length and Description**: 460 A (16.56 mi.) — End 460 A same as end Rte 460

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

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

**Right of Way Width (min.–max.) if varies**: 80' – 400'

**Available Right of Way Width (Needs Study)**: (Clear 1000' Pineapple/Grass Pasture); 1000' Clear – Grass, Bushes, 10'–20' from Pavement

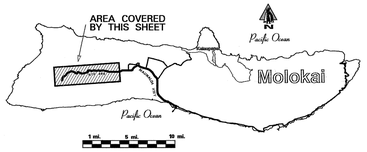
**Right of Way Fence: Type – Right and Left**: Wire on Wood 20'–30' from Pavement (10.29 – 13.69); Wire on Wood 20'–30' from Pavement (12.19)

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

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

**Project No., Type of Construction, and Year Constructed**: 460A–01–99M, Resurface, 2000 (11.01)

**Project No., Type of Construction, and Year Constructed**: STP–0460(12) Resurface, 1998 (10.99); 460A–01–91M, Shldr. Paving, 1992 (14.95); RS–0900(24), Resurface, 1986




**Road Diagram**
* MP = Milepost Signage

CONTINUED FROM SHEET #1

MAUNALOA HWY

Culvert (10.83 mi.); Culvert (10.96 mi.); 11 MP (11.13 mi.); 12 MP (11.97 mi.); 13 MP (12.93 mi.); 14 MP (14.01 mi.); Kulakoi Resort (14.97 mi.); EOB #19 (14.94 mi.); 15 MP (14.91 mi.); 16 MP (16.00 mi.); End Divided Ka' Ana St. (16.23 mi.); Begin Divided (16.32 mi.); 17 MP (16.40 mi.); END RTE 460 ON MAUNALOA HIGHWAY AT THE CENTERLINE MONUMENT OF THE WESTBOUND END OF MAUNALOA VILLAGE ST. @ BEGIN OF HIGHWAY SIGN. (16.58 mi.)

SCALE: (In Miles) 2" = 1 mile

**Divided Highway – Undivided**
- Shoulder: Width and Type: 4' AC (10.33); 8' AC (10.37); 4' AC (14.28); 10' (15.15); 8' (15.26); 15' (16.62); 10' (16.80); 8' (17.79); 9'–15' (18.08); 14' (16.23); 11' AC (16.32); 22' AC (16.40); (9'–14' Grv.) (16.51); (15') (16.44)
- Pavement: Width and Type: 22' AC
- Shoulder: Width and Type: 4' AC (14.95); 10' (15.15); 8' (15.26); 15' (16.62); 10' (16.80); 8' (17.79); 9'–15' (18.08); 14' (16.23); 0 (16.32); (14') (16.51); (9'–14' Grv.) (16.44); (12' Painted AC); (15')
- Median: Width and Type
- Median Barriers:
- Shoulder: Width and Type: 0 (16.32)
- Pavement: Width and Type: 11' AC (16.40)
- Shoulder: Width and Type: 14' Grass (16.51)

**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)** — x = 2' Conc. Gutter; 3' Gutter

**Protective Devices: Type, Location and Number** — Metal Rails on Concrete Posts unless otherwise noted. x = Metal Rails on Metal Posts

**Illumination: Type, Location and Number**

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**: –2 (10.18); –6 (10.24); –6 (10.47); –6 (10.72); –6 (11.16); –5 (11.27); –5 (11.48); –5 (11.83); –5 (11.95); –3 (13.11); –3 (13.33); +1 (13.97); +1 (14.05); +2 (14.48); –1 (14.69); +2 (14.77); +2 (14.89); –1 (15.26); –1 (15.40); –2 (16.36)

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

**Area and Development**: Rural

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**: Flat (10.21); Rolling

**Speed: 1–Design, 2–Posted**: 45 MPH (2); (45 MPH (2)) (16.27); (35 MPH (2)) (16.07); 20 MPH (2)

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

**Traffic Station**: B75 0460 00831; B75 0460 01494

**HPMS Section**: 10.96; 16.20

**AADT** (Year 2006): 1,336; 869 (14.94)

**DOD Sections**

**Census Tracts**

**Functional Classification**: Major Collector (7)

**National Highway System (NHS)**: None

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

(460A–01–70, Slope Imprv., 1971); (46A–01–71, Resurface, 1971); 460A–01–91M, Shldr. Paving, 1992 (14.95); 460B–01–83M, Resurface, 1983 (11.56 – 11.86); (11.99 – 12.20); RS–0900(24), Resurface, 1986; (46A–01–71, 1971); FAS 21(1), 1949

SCALE: (In Miles) 2" = 1 mile

| Date Released | |
|---|---|
| Mar. 04, | D.B. |
| **Revised** | |
| Nov., 06 | D.B. |

## ROAD INVENTORY

# MOLOKAI RTE 465
# AIRPORT LOOP

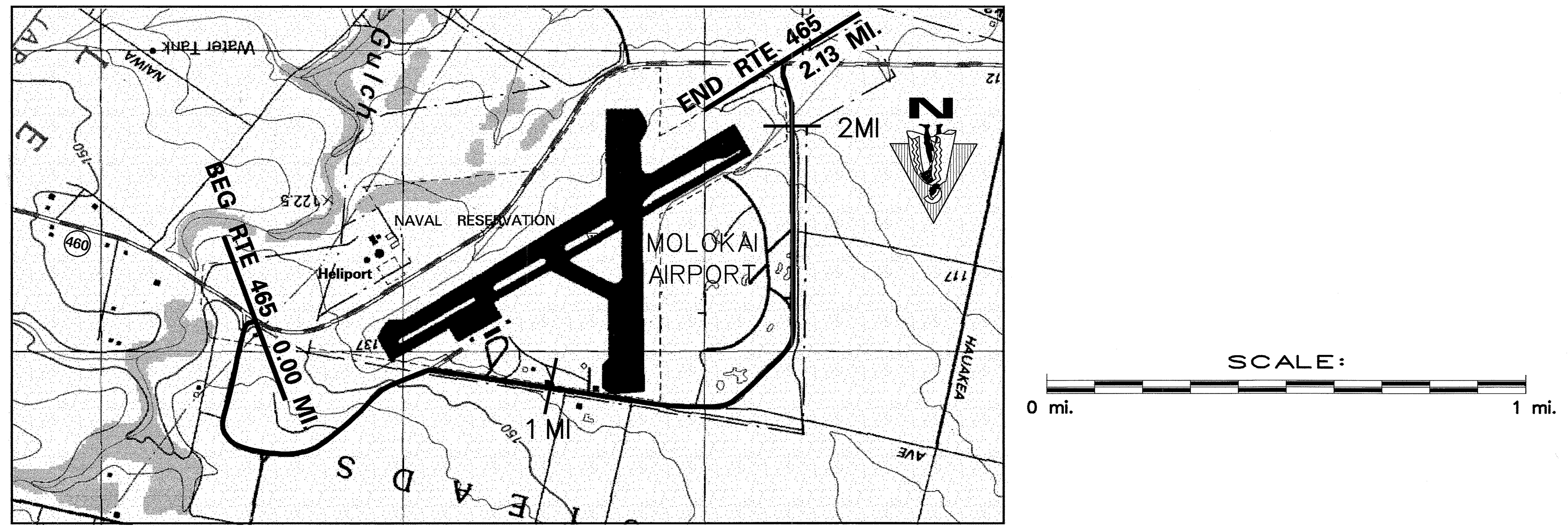
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

**Total Designated Route Length:** 2.13 MILES (a+b)
  a. Existing Length: 2.13 MILES
  b. Proposed Length: 0.00 MILES
**Total Travel Way Length:** 2.13 MILES (a+b, less c)
  a. Existing Length: 2.13 MILES
  b. Temporary Length: 0.00 MILES
  c. Length used as T.W. for another Route: 0.00 MILES (–)

NEEDS STUDY ROUTE NO. ____________ FUNCTIONAL CLASSIFICATION ____________



SCALE: (In Miles) 4″ = 1 mile — 0, 1, 2, 3

| | |
|---|---|
| Maintenance Control Sections : Length and Description | |
| Structure Carrying Road: Bridges (Over 20′): Length, Type, Capacity and Year Constructed | |
| 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 | NONE |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | COUNTY |
| Project No., Type of Construction, and Year Constructed | |
| Project No., Type of Construction, and Year Constructed | |

### Road Diagram

* MP=Milepost Signage

BEGIN ROUTE 465 ON EAST JUNCTION OF AIRPORT LOOP AT THE NORTH EDGE OF PAVEMENT OF MAUNALOA HIGHWAY (RTE 460). 0.00 MI.

AIRPORT LOOP

| | |
|---|---|
| Mokulele Street | 0.35 mi. |
| Hoolehua Airport Road | 0.86 mi. |
| Paved Roads | 1.00 mi. |
| Paved Roads | 1.07 mi. |
| Dirt Road | 1.22 mi. |
| Dirt Road | 1.58 mi. |
| Paved Road | 1.63 mi. |
| Dirt Road | 1.90 mi. |

END RTE 465 ON WEST JUNCTION OF AIRPORT LOOP AT THE NORTH EDGE OF PAVEMENT OF MAUNALOA HIGHWAY (RTE 460). 2.13 MI.

SCALE: (In Miles) 4″ = 1 mile — 0, 1, 2, 3

| | |
|---|---|
| Undivided: Shoulder: Width and Type — Dirt / Grass | 40′, 0.06, 15′, 1.58, 10′, 1.79, 15′ |
| Undivided: Pavement: Width and Type | 18′ AC, 1.22, 18′ BP |
| Undivided: Shoulder: Width and Type — Dirt / Grass | 15′, 0.22, 10′, 0.56, 6′, 0.65, 15′, 1.07, 20′, 1.17, 10′, 1.41, 15′, 1.58, 0, 1.70, 10′ |
| 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′ |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | |
| (Right Side) | |
| Frontage Road: No. of Lanes, and Width (Right and Left) | |
| Sidewalk: Width and Type (Right and Left) | |
| Curb and/or Gutter: Type (Right and Left) | |
| Protective Devices: Type, Location and Number | |
| Illumination: Type, Location and Number | |
| Curves: Degree of Curvature (Right and Left) | |
| Superelevation (Range) | |
| Grades: % Grade, Positive or Negative | |
| Vertical Curve: Crest or Sag, Curve Limits | |
| Area and Development: | Rural |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | Rolling |
| Speed: 1–Design, 2–Posted | Not Posted |
| Intersection Control Devices: Type, Location and Cycle Timing | |
| Traffic Station | B75 0465 00000 / B75 0465 00035 / B75 0465 00086 |
| HPMS Section | 0.12, 0.83, 2.09 |
| AADT (Year 2006) | 810, 0.35, 229, 0.86, 200, 2.13 |
| | |
| DOD Sections | |
| Census Tracts | |
| Functional Classification | Major Collector (7) |
| National Highway System (NHS) | None |
| Previous Projects: Project No., Date and Limits | |

SCALE: (In Miles) 4″ = 1 mile — 0, 1, 2, 3

| Date Released | |
|---|---|
| Jun 2002, JK | |
| Revised | |
| Nov., 06 | D.B. |

# ROAD INVENTORY

# MOLOKAI RTE 470
# KALAE HIGHWAY

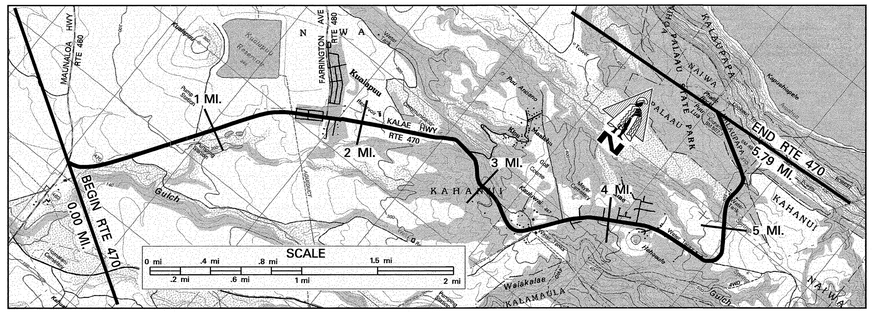
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

**Total Route Length:** 5.79 miles
- **a. Survey Length:** 5.79 miles
- **b. Proposed Length:** 0.00 miles
- **c. Other Length: *** 0.00 miles

*




SCALE: (In Miles) 2" = 1 mile

**Maintenance Control Sections : Length and Description**
Begin 470A same as begin route — 470A (5.79 MI.) — End 470A same as end route.

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

**Structure Over Road**
- Vertical Clearance
- Horizontal Clearance: 80' – 120' (0.00–3.49); 60' – 70' (3.49–5.09); 60' – 130' (5.09–5.79)

**Right of Way Width (min.–max.) if varies**: 1000' PINEAPPLE FIELD, 20' – 30' FROM PAVEMENT (0.00–1.57); RES. AREA (1.57–1.98); PASTURE AREA W/ SOME HOUSES (1.98–5.09); LARGE TREES & BUSHES (5.09–5.79)

**Available Right of Way Width (Needs Study)**: NONE; 1000' CLR PINEAPPLE 20' FROM PAV'T (1.57–1.98); WIRE ON WOOD 10' – 25' FROM PAVEMENT (1.98–2.29); WIRE ON WOOD 10' – 25' FROM PAVEMENT (2.29–5.09)

**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**: 0.00 STP–0470 (5) GUARDRAIL / SHOULDER IMPROVEMENT 2001 AND 470A–01–00M 2001 RESURFACE

**Project No., Type of Construction, and Year Constructed**: STP-0470 (4) 1996 GUARDRAIL & SHOULDER IMPROVEMENT (0.00–1.74); RS-0900 (24) 1986 RESURFACE (1.74–2.88); RS–0470(3) 1982 RESURFACE (2.88–4.34); 470A–01–92M 1993 RESURFACE (4.34–5.79)

## Road Diagram

* MP = Milepost Signage

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

KALAE HIGHWAY

| Milepost | Feature |
|---|---|
| 0.02 mi. | 0 MP |
| 0.40 mi. | CULVERT |
| 1.00 mi. | 1 MP — ROAD TRACTOR XING |
| 0.37 mi. | |
| 0.84 mi. | |
| 1.47 mi. | S. KIAPA ST. TRACTOR XING |
| 1.56 mi. | S. NONI ST. |
| 1.64 mi. | N. NONI ST. |
| 1.78 mi. | LAHIKI PL. |
| 1.78 mi. | FARRINGTON AVE PROJECT MARKER & 2 MP |
| 2.51 mi. | MICROWAVE COMM. STATION |
| 2.88 mi. | CULVERT |
| 2.78 mi. | KIPU ROAD (GOLF COURSE) |
| 3.11 mi. | 3 MP |
| 3.47 mi. | ROAD TO TANK WATER |
| 3.81 mi. | RD. TO SUGAR MILL (MOLOKA'I MUSEUM) |
| 3.71 mi. | KALAE HOUSING |
| 3.70 mi. | IRONWOOD HILLS GOLF COURSE |
| 4.29 mi. | 4 MP — KALAMA ROAD |
| 4.18 mi. | NANIKAI PLACE |
| 4.09 mi. | |
| 4.06 mi. | |
| 4.74 mi. | ROAD |
| 4.68 mi. | R.W. MEYER LTD. ROAD |
| 5.10 mi. | RD. TO TANK WATER |
| 5.33 mi. | 5 MP |
| 5.24 mi. | RD. TO PALAU'U STATE PARK ROAD |
| 5.51 mi. | RD. TO CAMP AREA — PAVILION |
| 5.66 mi. | PARKING AREA |
| 5.79 mi. | 5.79 MP |

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

SCALE: (In Miles) 2" = 1 mile

**Divided Highway — Undivided**
- Shoulder: Width and Type: 6' AC (0.00–1.40); 8' AC (1.40–1.74); 6' AC (1.74–4.18); 6' GRAVEL (4.18–5.09); 5' GRV (5.09–5.42); 5' AC (5.42–5.50); 4' AC (5.50–5.83); 6' AC (5.83–5.79)
- Pavement: Width and Type: 24' AC (0.00–1.73); 18' AC (1.73–2.88); 20' AC (2.88–5.09); 5' AC (5.09–5.19); 5' GRV (5.19–5.33)
- Shoulder: Width and Type: 6' AC (0.00–1.74); 8' AC (1.74–4.34); 6' AC (4.34–5.09); 8' GRAVEL (5.09–5.33); 6' AC (5.33–5.79)
- Median: Width and Type
- Shoulder: Width and Type
- Pavement: Width and Type
- Shoulder: Width and Type

**Number of Traffic Lanes**: 2 – 12' (0.00–1.73); 2 – 9' (1.73–2.88); 2 – 10' (2.88–5.79)

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

**(Right Side)**: NONE

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

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

**Curb and/or Gutter: Type (Right and Left)** — ALL CONCRETE GUTTERS

**Protective Devices: Type, Location and Number** — METAL ON METAL UNLESS NOTED (*WOOD RAIL ON CONC. POST)

**Illumination: Type, Location and Number**: M/V (1.56–1.74)

**Curves: Degree of Curvature (Right and Left)**

**Superelevation (Range)**

**Grades: % Grade, Positive or Negative**: 0.39 +6; 0.63 0.71 +4; 1.04 1.20 +2; 1.29 1.97 +8; 2.20 3.60 –1; 3.71 4.10 +7; 4.20 4.46 +8; 4.65 4.94 –4; 5.05 5.64 +4

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

**Area and Development**: RURAL

**Terrain: 1–Flat, 2–Rolling, 3–Mountainous**: FLAT (1) (0.00–2.50); ROLLING (2.50–5.20)

**Speed: 1–Design, 2–Posted**: 35 MPH (2) 0.23; 45 MPH (1) 0.23–1.47; 30 MPH (1) 1.47–5.20; 35 MPH (2) 1.47–5.20; 25 MPH (1) 5.20–5.79

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

**Traffic Station**: B75 0470 00000 (0.00–1.78); B75 0470 00176 (1.78–2.76); B75 0470 00276 (2.76–4.18); B75 0470 00418 (4.18–5.79)

**HPMS Section**: 0.24; 1.80; 3.60; 5.25

**AADT** (Year 2006): 2,300 (0.00–1.76); 2,262 (1.76–2.76); 700 (2.76–4.18); 200 (4.18–5.79)

**DOD Sections**

**Census Tracts**

**Functional Classification**: MAJOR COLLECTOR (7)

**National Highway System (NHS)**: NONE

**Previous Projects: Project No., Date and Limits**
- HWY-M-01-85M 1985 (0.00–0.97) RESURFACE
- HWY-M-01-82M 1982 (0.97–1.73) RESURFACE
- RS-0900(24) 1986 (1.73–2.88) RESURFACE
- F–047–1(1) 1957, 1958 (2.88–3.24)
- WPH – 19B 1936 (3.24–4.32) (78+00)
- COUNTY (4.32) (48+92)
- REALIGNMENT 1971 (4.32–5.79): S–047(1) & S–047(2) 1970

SCALE: (In Miles) 2" = 1 mile

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Nov., 06 | D.B. |

# ROAD INVENTORY

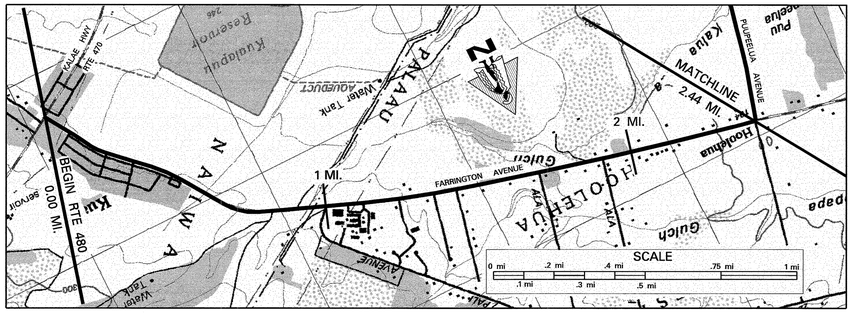
# MOLOKAI RTE 480
# FARRINGTON AVE. – PUUPEELUA AVE.

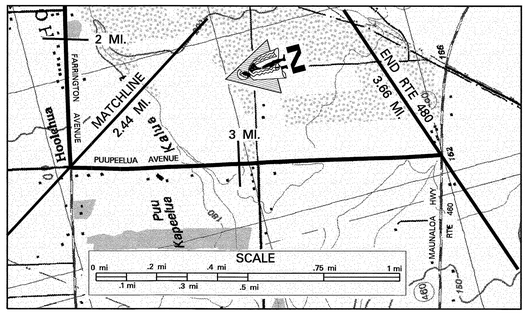
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

**Total Route Length:** 3.66 miles
- a. **Survey Length:** 3.66 miles
- b. **Proposed Length:** 0.00 miles
- c. **Other Length:** * 0.00 miles

*




SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

Begin 480 on Farrington Avenue 16' West of the Northwest edge of pavement of Kalae Highway. — 480A (3.65 MI.) — 3.65 — End 480A on Puupeelua Avenue 50' North of North edge of pavement of Maunaloa Highway.

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

Right of Way Width (min.–max.) if varies: +60' (2.44) 80'
Available Right of Way Width (Needs Study): RES. (0.25) CLEAR 1000' PINEAPPLE 15' – 20' FROM EDGE OF PAVEMENT (0.87) CLEAR 1000' GRASS & TREES 15' – 20' FROM PAVEMENT
Right of Way Fence: Type – Right and Left: WIRE ON WOOD 15' – 20' FROM PAVEMENT (1.37) (2.40)
Control of Access: 1–None, 2–Partial, 3–Full: NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE
Project No., Type of Construction, and Year Constructed: STP-0480(2) RESURFACE
Project No., Type of Construction, and Year Constructed: 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:
- 0.05 mi. HULIA STREET PLANTATION STORE
- 0.09 mi.
- 0.23 mi. 'UWAO STREET
- 0.33 mi. 'ALAEKEA STREET
- 0.46 mi. 'EPANE STREET
- 0.96 mi. LIHIPALI AVENUE (1 MP)
- 0.99 mi. MOLOKAI H.S.
- 1.05 mi. PARKING LOT
- 1.12 mi. H.S. EXIT
- 1.23 mi. FIRE STATION & PARKING LOT
- 1.35 mi. LEI KUKUI PLACE
- 1.43 mi. ALA EKOLU STREET
- 1.70 mi. ALA 'ELUA STREET
- 1.92 mi. ALA 'EKAHI STREET (2 MP)
- 2.44 mi. POST OFFICE ROAD ANGLE POINT OF PUUPEELUA AVE. & FARRINGTON AVE.

PUUPEELUA AVENUE:
- 2.50 mi.
- 2.70 mi. MOLOKAI BAPTIST CHURCH
- 3.06 mi. MOOMOMI AVE.
- 3.64 mi. CULVERT
- 3.65 mi. (3.65 MP)

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

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided:
- Shoulder: Width and Type: 6' AC
- Pavement: Width and Type: 24' AC (2.47) 22' AC
- Shoulder: Width and Type: 6' AC

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

Number of Traffic Lanes: 2 – 12' (2.47) 2 – 11'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
(Right Side)
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left): 4' AC FOOT PATH (0.55–2.44)
Curb and/or Gutter: Type (Right and Left): CONCRETE CURB AND GUTTERS (0.90–0.99, 1.13)
Protective Devices: Type, Location and Number: ALL METAL ON CONCRETE (0.53, 0.60, 0.74, 0.80, 0.88, 0.97)
Illumination: Type, Location and Number: 1 MV (0.03), MV (1.07), 1 MV (1.24), 1 MV (1.49), 1 MV (1.72), 1 MV (1.93), 1 MV (3.08)
Curves: Degree of Curvature (Right and Left)
Superelevation (Range)
Grades: % Grade, Positive or Negative: (0.24) –1 (0.36) (1.37) +2 (1.50) (1.84) +4 (1.83) (1.92) +2 (2.42) (2.46) +2 (2.66) (2.89) –2 (3.09) (3.92) –2 (3.65)
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: RURAL
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: FLAT
Speed: 1–Design, 2–Posted: NOT POSTED (0.07) 35 MPH (2) (0.89) (0.95) 20 MPH (2) (1.25) (1.32) 35 MPH (2) (3.95) NOT POSTED
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Station: B75 0480 00000 (0.85) B75 0480 00099 (2.01) B75 0480 00244 (2.81) B75 0480 00306 (3.53)
HPMS Section
AADT (Year 2006): 2,262 (0.93) 2,300 (2.44) 1,059 (3.06) 1,300 (3.66)

DOD Sections
Census Tracts
Functional Classification: MAJOR COLLECTOR (7)
National Highway System (NHS): NONE
Previous Projects: Project No., Date and Limits
HWY-M-01-82M 1982 RESURFACE
S-0480-(1) 1968 (2.45)
S-0480-(1) UNIT 1 1965 (1.70) S-0480(1), UNIT 2 1965 (0+00 – 64+50) S-1(2) 1947

SCALE: (In Miles) 4" = 1 mile

| Date Released | |
|---|---|
| Oct 2004 | GN |
| **Revised** | |
| Feb., 06 | D.B. |
| Nov., 06 | D.B. |

# ROAD INVENTORY

# LANAI RTE. 440
# KAUMALAPAU HWY., MANELE RD.

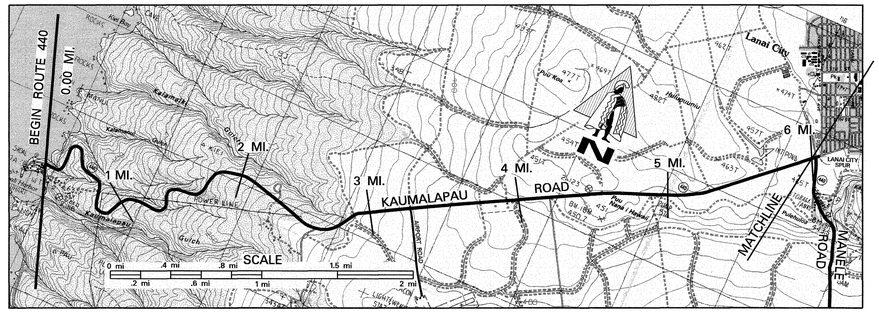
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

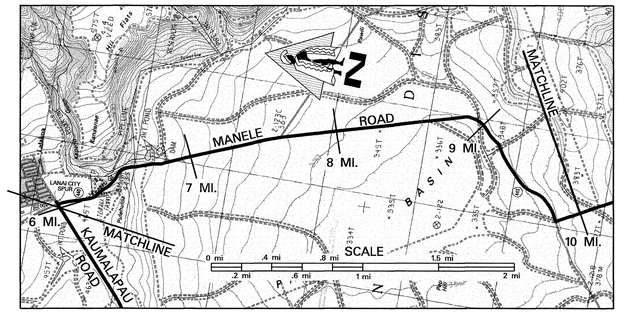
PREPARED BY THE HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| * ROUTE LENGTH | = | 13.18 mi. |
| AIRPORT SPUR | = | 0.47 mi. |
| LANAI CITY SPUR | = | 0.03 mi. |
| TOTAL | = | 13.68 mi. |

Total Designated Route Length: 13.68 * MILES (a+b)
a. Existing Length: 13.68 * MILES
b. Proposed Length: NONE MILES
Total Travel Way Length: 13.68 * MILES (a+b, less c)
a. Existing Length: 13.68 * MILES
b. Temporary Length: NONE MILES
c. Length used as T.W. for another Route: NONE MILES (–)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



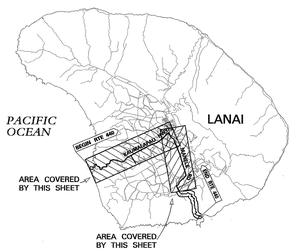

SCALE: (In Miles) 2" = 1 mile

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

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

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: 90' – 200' (1.83) | 80' – 130' (3.33) | 100' (5.02) | 80' – 150' (5.94) | 30'
Available Right of Way Width (Needs Study): Clear 1000' Pineapple Fields / Bushes, Small Trees 15' – 25' From Edge of Pavement
Right of Way Fence: Type – Right and Left: NONE
Control of Access: 1–None, 2–Partial, 3–Full: NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): (117+00) STATE (161+00) (207+00) (259+00) (0+00) (32+50) STATE (193+50) (7+00) (440A–01–92M, (R), 1992)
Project No., Type of Construction, and Year Constructed: (440A–01–99M, Resurf, 2000) (2.20) 440A–01–03M, Resurf, 2005 (3.12) 440A–01–01M, (R), 2004 STP – 0440(6) Resurf. 440B–01–04M, Resurf., 2005 (6.59) 440B – 02 – 98M, R, '99 (7.88) (440B–01–04M, Resurf., 2005) (9.93)
Project No., Type of Construction, and Year Constructed: (0.02) HWY – M – 02 – 97M, Shldr. Paving, 1998 (3.05) 440A–01–02M, (R) 2003 (4.00) 440A–01–96M, 1997 (4.99) Worksite #1 1996 (5.97) 440B 01 – 98M 1999 (Resurf.) (7.08) STP–0440 (5), 1995 (Resurfacing & Improvements) (9.64)



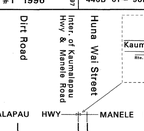

## Road Diagram

* MP = Milepost Signage

Begin Route 440 on Kaumalapau Hwy., at Kaumalapau Harbor, at the centerline mon. 175' E. of the E. boundary of the Standard Oil Co. fuel – storage lot. 0.00 mi.

"Begin State Hwy" Sign Milepost 0 — Old Kaumalapau Hwy. — Paved Road Refuse Road (119+40) — Culvert — Kaupili Road — Tractor Xing — Begin Divided (166+60) — End Divided — Dirt Road (L) Airport Road (R) — Pineapple Station Road — Pineapple Station Rd — Pineapple Station Rd — Tractor Xing — Pineapple Station Road — Culvert Xing — Miki Road (215+45) — Pineapple Road — Culvert Xing — Road (L) — Road (R) — Dirt Road — Dirt Road — Inter. of Kaumalapau Hwy & Manele Road — Huna Wai Street — Palavai Road — Culvert — Milepost #9 — Culvert — Culvert — Paved Road (Rte 440 Angle Pt.) (0+10) — Culvert

KAUMALAPAU HIGHWAY 1 MP 2 MP 3 MP 4 MP 5 MP 6 MP — KAUMALAPAU HWY — MANELE RD. — MANELE ROAD 7 MP 8 MP 9 MP 10 MP




This diagram shows a 150' segment of 440A to be included as part of Rte. 440.

0.00 mi. 0.65 mi. 0.99 mi. 1.99 mi. 2.25 mi. 2.26 mi. 2.40 mi. 2.56 mi. 2.85 mi. 3.00 mi. 3.13 mi. 3.23 mi. 3.42 mi. 3.71 mi. 3.72 mi. 3.81 mi. 3.88 mi. 4.00 mi. 4.05 mi. 4.16 mi. 4.19 mi. 4.31 mi. 4.63 mi. 4.84 mi. 5.00 mi. 5.22 mi. 5.57 mi. 5.97 mi. 6.03 mi. 6.09 mi. 7.02 mi. 7.52 mi. 8.01 mi. 8.92 mi. 9.01 mi. 9.08 mi. 9.38 mi. 9.72 mi. 9.87 mi. 9.89 mi.

CONT. ON SHEET # 2

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided
- Shoulder: Width and Type (ALL SHOULDERS GRASS EXCEPT WHERE OTHERWISE INDICATED): 6' AC | 6' GRV | 6' AC | 6' GRV 25' 10' 25' 6' – 10' 25' | 2' AC | 4' GRS/GRV 25' Grass 25' Dirt
- Pavement: Width and Type: 24' AC | 12' AC | 24' AC | 20' AC
- Shoulder: Width and Type (ALL SHOULDERS GRASS EXCEPT WHERE OTHERWISE INDICATED): 6' AC | 6' GRV | 6' AC | 0 | 6' AC | 8'GRV 15' 12' 25' 6' – 10' 25' | 2' AC | 4' GRS/GRV 8' 25' Dirt

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

Number of Traffic Lanes: 2–12' | 2–10'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 12' TLs
(Right Side)
Frontage Road: No. of Lanes, and Width (Right and Left): NONE
Sidewalk: Width and Type (Right and Left): NONE
Curb and/or Gutter: Type (Right and Left) GUTTERS
Protective Devices: Type, Location and Number: ALL METAL ON METAL
Illumination: Type, Location and Number: NONE
Curves: Degree of Curvature (Right and Left)
Superelevation (Range)
Grades: % Grade, Positive or Negative
Vertical Curve: Crest or Sag, Curve Limits
Area and Development: RURAL
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: MOUNTAINOUS (0.99) | ROLLING (1.99) | FLAT
Speed: 1–Design, 2–Posted: 30 MPH (2) | 45 MPH (2) | 35 MPH (2) | 45 MPH (2) 20 MPH (2) 35 MPH (2) 20 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Station: B76 0440 00000 | B76 0440 00323 | B76 0440 00597 | B76 0440 00656 | (B76 0440 00972)
HPMS Section: 3.05 | 4.20 | 6.00 | 8.01 | 9.97
AADT (Year 2006): 160 | 3.23 | 877 | 5.97 | 2,342 | 6.95 | 1,204 | 9.72 | 800
DOD Sections: COUNTY
Census Tracts
Functional Classification: MAJOR COLLECTOR (7)
National Highway System (NHS): NONE
Previous Projects: Project No., Date and Limits
- 0.02 HWY – M – 02 – 97M, Shldr. Paving, 1998 (3.41)
- 440A–01–99M, Resurf. 2000 (2.05) 440A–01–90M, Shldr. Paving, 1998
- 44A–02–88, Shldr.Imp, 1988 (1.28) (1.80) 440A–01–90M, Shldr. Paving, '90 (3.20) (3.42) 440A–01–96M, 1997 (4.99)
- RS–0440(2) Resurf. 1986 (3.14) 4.98 STP–0440(6) Resurf. Worksite #1 1996 440B–01–98M (R) 1987 (6.61)
- 440A–01–78M Resurf. 1979 (1.52) (440–A–01–81M Imprv. 1981) (3.06) RS–0440(3) Resurf. 1987 (5.97) (6.20) STP–0440(5) 1995 (Resurfacing & Improvements)
- 440A 02 81 Imprv. 1981 (0.80) (2.79) (2.89) (3.20) 440A–01–73 Resurf. 1975 COUNTY
- S–0440(1) 1959, '60 STA. 310+73.91 (5.94)

SCALE: (In Miles) 2" = 1 mile

| Date Released | |
|---|---|
| Dec. 2002 | T.S. |
| **Revised** | |
| Feb. 04 | D.B. |
| Aug. 04 | D.B. |
| Feb., 06 | D.B. |
| Nov., 06 | D.B. |
| Mar., 08 | D.B. |

# ROAD INVENTORY

# LANAI RTE. 440
# MANELE ROAD, AIRPORT ROAD

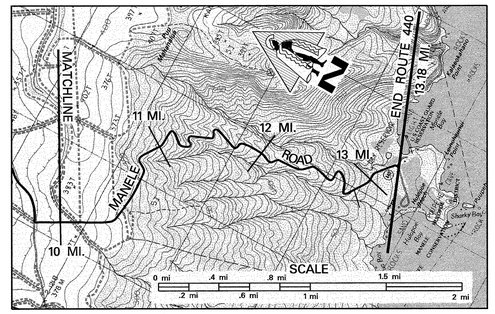
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

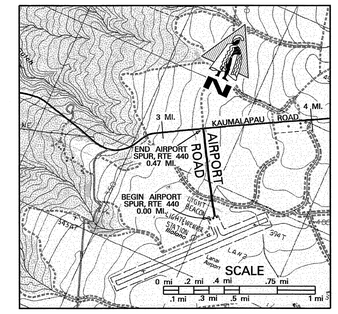
PREPARED BY THE HIGHWAYS PLANNING BRANCH
IN COOPERATION WITH THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION

| | | |
|---|---|---|
| * ROUTE LENGTH | = | 13.18 mi. |
| AIRPORT SPUR | = | 0.47 mi. |
| LANAI CITY SPUR | = | 0.03 mi. |
| TOTAL | = | 13.68 mi. |

Total Designated Route Length: 13.68 * MILES (a+b)
a. Existing Length: 13.68 * MILES
b. Proposed Length: NONE MILES
Total Travel Way Length: 13.68 * MILES (a+b, less c)
a. Existing Length: 13.68 * MILES
b. Temporary Length: NONE MILES
c. Length used as T.W. for another Route: NONE MILES (–)

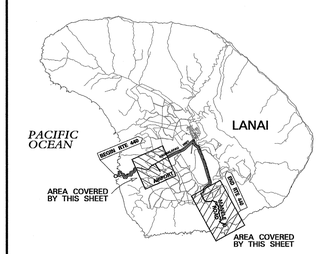
NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



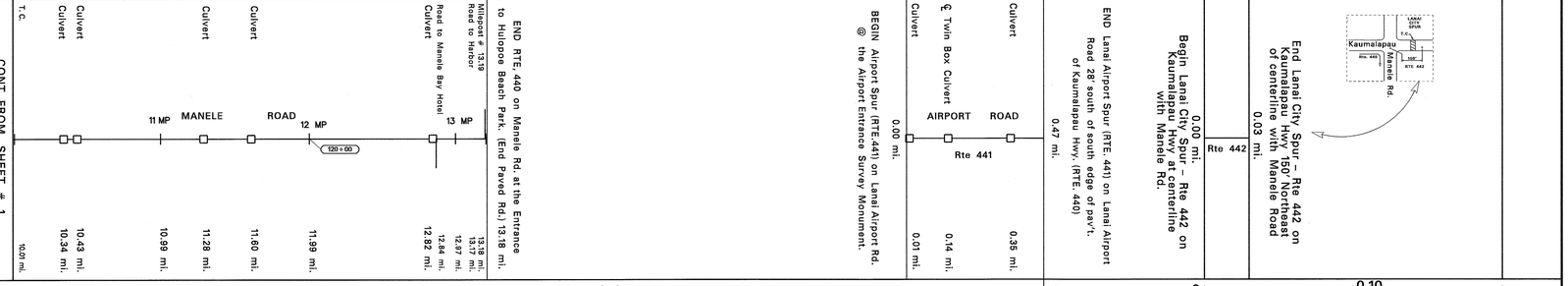

SCALE: (In Miles) 2" = 1 mile

| | |
|---|---|
| Maintenance Control Sections : Length and Description | 440B (7.21 mi.) / End 440 B Same as End Route / Beg 440 A Same as Beg. Airport Road (Spur) / 440A (0.57 mi.) / End 440 A Same as End Airport Road (Spur) |
| Structure Carrying Road: Bridges (Over 20'): Length, Type, Capacity and Year Constructed | NONE |
| Structure Carrying Road: Vertical Clearance | |
| Structure Carrying Road: Horizontal Clearance | |
| Structure Over Road: Vertical Clearance | |
| Structure Over Road: Horizontal Clearance | |
| Right of Way Width (min.–max.) if varies | 30' / 40' |
| Available Right of Way Width (Needs Study) | Clear 1000' Trees & Pineapple Fields 15'– 25' from edge of pavement / Clear 1000' Pineapple Fields 15' from edge of pavement |
| Right of Way Fence: Type – Right and Left | NONE / NONE |
| Control of Access: 1–None, 2–Partial, 3–Full | NONE / NONE |
| Jurisdiction, Transfer Phase No. and Date (C to S or S to C) | State (Worksite #2 1996) / STATE |
| Project No., Type of Construction, and Year Constructed | 440B–01–04M, Resurf., 2005 / STP–0440(6) (Resurface) / 440A–01–88M Resurf. |
| Project No., Type of Construction, and Year Constructed | 440A–01–92M(R) 1992 / 1987 |




## Road Diagram

* MP = Milepost Signage




SCALE: (In Miles) 2" = 1 mile

| | |
|---|---|
| Divided Highway, Undivided: Shoulder: Width and Type (ALL SHOULDERS GRASS EXCEPT WHERE OTHERWISE INDICATED) | 25' Dirt; 6' / 2' / 1'–3' / 4'–8' / 0 / 2'–4' / 0 / 2' / All Gravel; 6' / 6' |
| Divided Highway, Undivided: Pavement: Width and Type | 20' AC (2'–4' GRS/GRV; 2' AC; 13' AC) / 20' AC |
| Divided Highway, Undivided: Shoulder: Width and Type (ALL SHOULDERS GRASS EXCEPT WHERE OTHERWISE INDICATED) | 25' Dirt; 6' / 4'–8' / 2' / 6' / 0 / 4 / 0 / 2' / 0 / 0 / 2' / 0 / 2'–4' / 6'–12' / All Gravel; 4' / 3' |
| Divided Highway: Median: Width and Type | 8'–10' / 12' / 8'–10' GRS/GRV |
| Divided Highway: Shoulder: Width and Type | |
| Divided Highway: Pavement: Width and Type | |
| Divided Highway: Shoulder: Width and Type | |
| Number of Traffic Lanes | 2–10' / 2–11' (1–13') / 2–10' |
| Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) | |
| (Right Side) | |
| Frontage Road: No. of Lanes, and Width (Right and Left) | NONE |
| Sidewalk: Width and Type (Right and Left) | NONE / NONE |
| Curb and/or Gutter: Type (Right and Left) | |
| Protective Devices: Type, Location and Number | NONE |
| Illumination: Type, Location and Number | NONE |
| Curves: Degree of Curvature (Right and Left) | |
| Superelevation (Range) | |
| Grades: % Grade, Positive or Negative | |
| Vertical Curve: Crest or Sag, Curve Limits | |
| Area and Development: | RURAL / RURAL |
| Terrain: 1–Flat, 2–Rolling, 3–Mountainous | FLAT / MOUNTAINOUS / FLAT / FLAT |
| Speed: 1–Design, 2–Posted | 35 MPH (2) / 25 MPH (2) (Not Posted) / NOT POSTED / 15 MPH (2) |
| Intersection Control Devices: Type, Location and Cycle Timing | |
| Traffic Station | B76 0440 00972 / B76 0440 01059 / B76 0440 01176 / B76 0440 01282 / B76 0441 00000 / B76 0442 00000 |
| HPMS Section | 10.99 / 12.78 / 13.06 / 0.15 / 0.02 |
| AADT (Year 2006) | 800 / 800 / 600 / 600 / 636 / 3,050 |
| DOD Sections | |
| Census Tracts | COUNTY |
| Functional Classification | MAJOR COLLECTOR (7) / MAJOR COLLECTOR (7) / (MAJOR COLLECTOR (7)) |
| National Highway System (NHS) | NONE / NONE / NONE |
| Previous Projects: Project No., Date and Limits | |
| | 440A – 01 – 92M(R) 1992 / S – 0440(1) |
| | 440B – 01 – 82M(R) 1982 / 440B – 01 – 83M(R) 1983 / 1959 |

SCALE: (In Miles) 2" = 1 mile

| Date Released | |
|---|---|
| Dec 2002, T.S. | |
| **Revised** | |
| Feb. 04 | D.B. |
| Aug 04 | D.B. |
| Feb. 06 | D.B. |
| Nov., 06 | D.B. |
| Feb., 08 | D.B. |