STATE ROUTE SYSTEM

COUNTY OF KAUAI

ISLAND OF KAUAI

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 2006

N

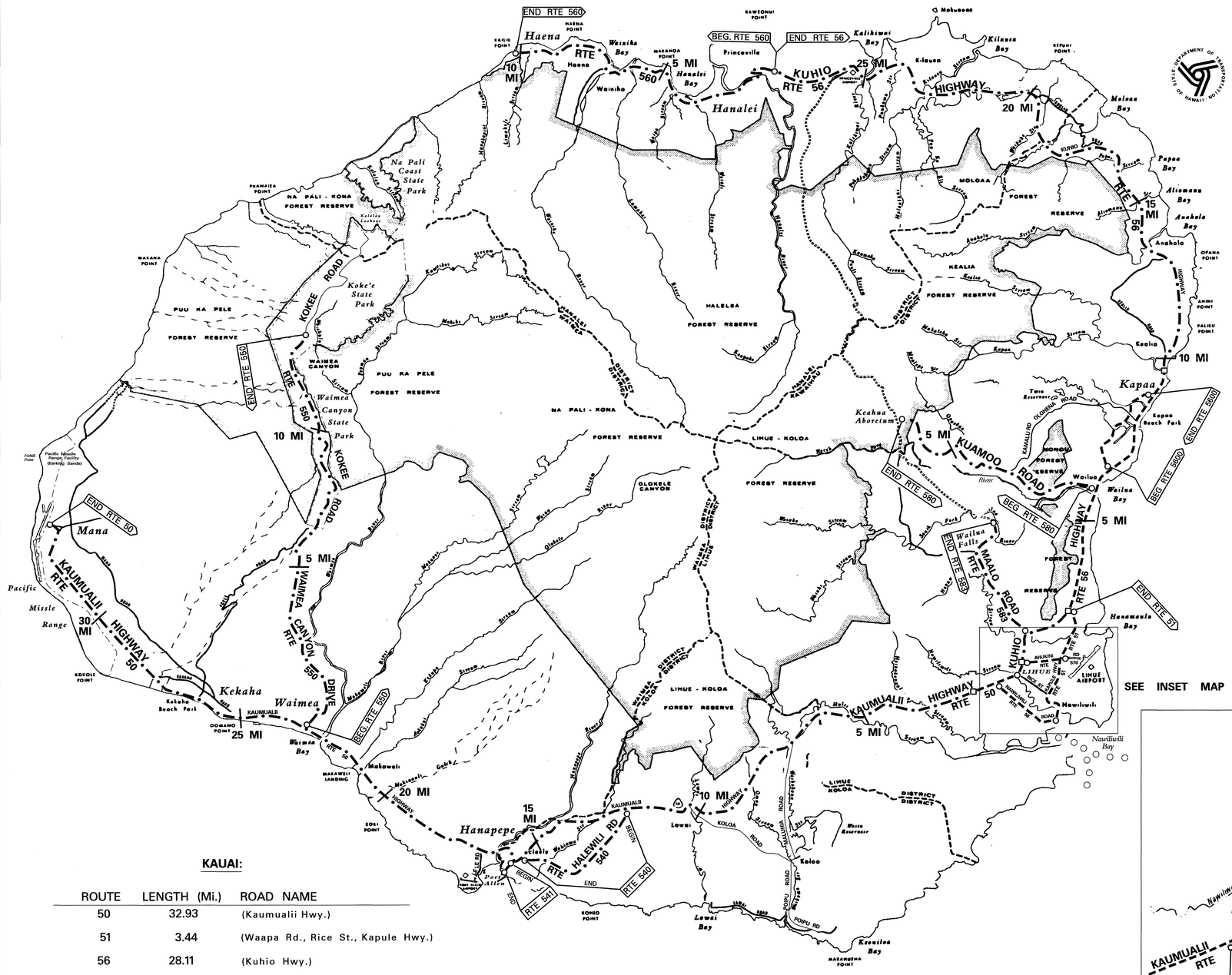
SCALE

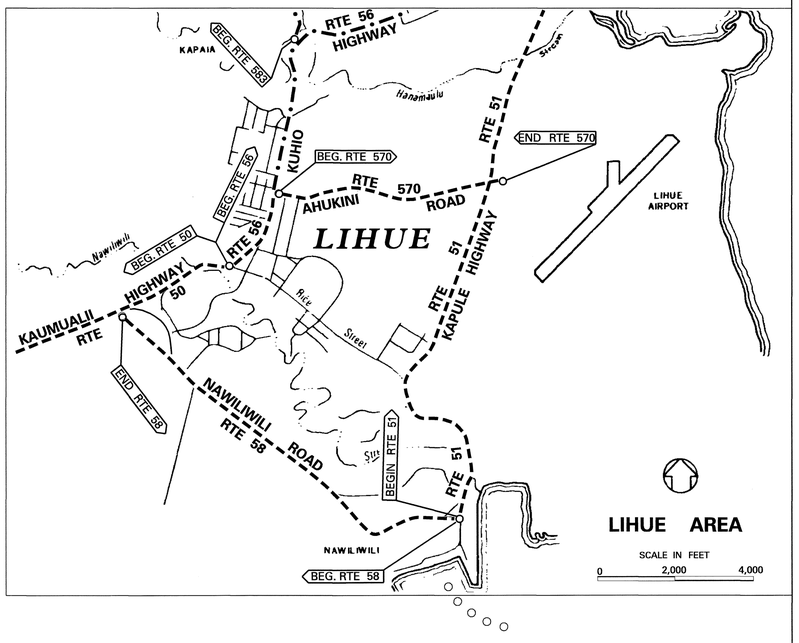
1 0 1 2 3 4 MILES

1 0 1 2 3 4 KILOMETERS

LEGEND

- STATE (NHS)
- STATE (Non–NHS)
- WATER (NHS)
- o Route termini point
- □ NHS to non–NHS transition point





KAUAI:

ROUTE	LENGTH (Mi.)	ROAD NAME
50	32.93	(Kaumualii Hwy.)
51	3.44	(Waapa Rd., Rice St., Kapule Hwy.)
56	28.11	(Kuhio Hwy.)
58	2.06	(Nawiliwili Rd.)
540	3.87	(Halewili Rd.)
541	0.37	(Waialo Rd.)
550	14.10	(Waimea Canyon Drive, Kokee Rd.)
560	10.01	(Kuhio Hwy.)
570	1.12	(Ahukini Rd.)
580	6.68	(Kuamoo Rd.)
583	3.92	(Maalo Rd.)
5600	3.08	(Kapaa Bypass Rd.)
TOTAL =	109.69	

Date Released	
Dec 2002,	JK
Revised	
Apr. 04	D.B.
May 06	D.B.
Jun. 07	D.B.

1

ROAD INVENTORY

KAUAI RTE 50
KAUMUALII HIGHWAY

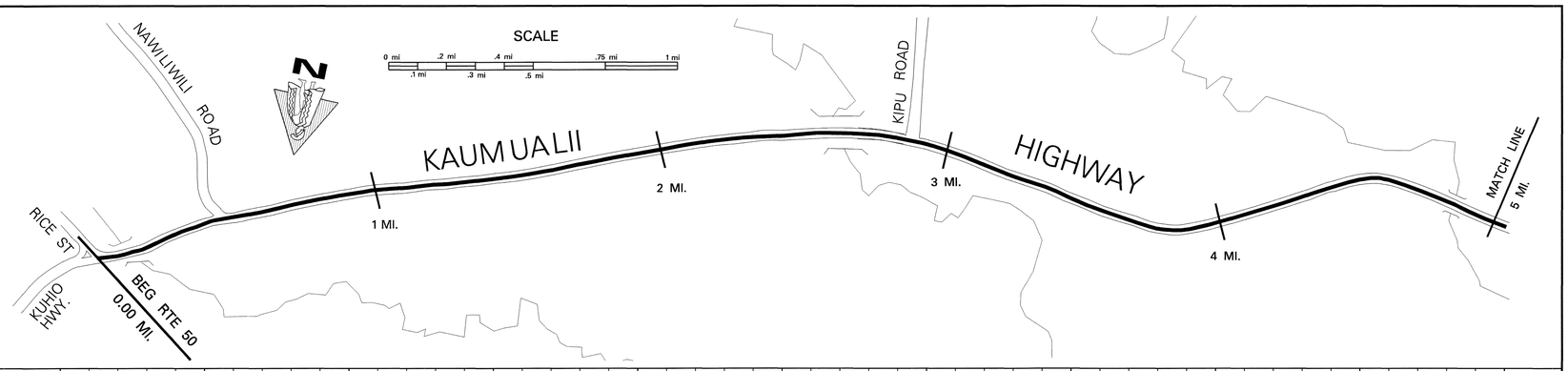
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

Total Designated Route Length:	32.93	MILES (a+b)
a. Existing Length:	32.93	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	32.93	MILES (a+b, less c)
a. Existing Length:	32.93	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

END 50E – SAME AS BEGIN RTE 50. | 50E (1.74 MI.) | BEG. 50E – END 50D ON KAUMAUALII AT THE CENTERLINE INTER. w/ PUHI RD. (1.74) | 50D (8.63 MI.)

Structure Carrying Road

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

- Conc. Flume 1918 72' 0.13 0.17
- RC FLAT SLAB ON I STRG. (STR), 1936 309'
- RC TWIN BOX CULVERT (STR) 1950, H20 25' 2.62
- PRESTRESSED CONC. GIRDER HS-20-44, 1990 428' 4.80

Vertical Clearance: 38' | 24' | 40' | 52'

Horizontal Clearance

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 60' 0.38 80' 0.45 60' 1.46 80' 1.57 60' 1.88 (80') 1.88 60' 2.08 80' 2.28 60' 2.63 120' 2.80 60' 2.93 (100') 2.93 80' 3.77 (110') 3.81 60' 4.02 70' 4.28 130' 4.48 80' 4.67 120' 4.78 (170') 4.80 150' 5.48 (60')

Available Right of Way Width (Needs Study): Residential + Commercial 0.27 | Trees + Bushes 0.37 | Sugar Cane 1.06 | Residential 2.02 | Sugar Cane 4.02 | Trees

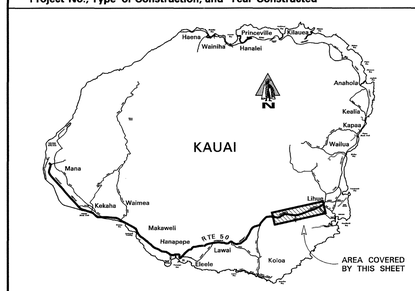
Right of Way Fence: Type – Right and Left: W/W 30" FEP 1.06 1.37; W/W 1.55; W/W 30" FEP 2.01 4.31

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE (13+38.93) (98+80)

Project No., Type of Construction, and Year Constructed: (50E-01-98 Realignment 2001) 0.12 0.17 50DE-01-05M (R) 2006 1.79

Project No., Type of Construction, and Year Constructed: (LIHUE PLANTATION PROJECT, 1964) 0.02 0.22 (HWY-K-01-78M (R), 1978) 1.46 STP-050-1(19), 1998 STP-050-1(22), Guardrail & Shoulder Imprv., 2002



Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* Milepost Signage

Begin Route 50 on Kaumualii Highway at the ℄ Intersection with Kuhio Highway and Rice Street.

0.00 mi. MP 0.00 | End Divided Hwy 0.13 mi. | Spur to Rice St. | Lihue Mill Br. 0.17 mi. | Hoomana Rd. 0.17 mi. 0.16 mi. 0.11 mi. 0.09 mi. | Halii Road 0.38 mi. | Beg Divided Hwy 0.47 mi. | Uahi Road 0.54 mi. | Nawiliwili Road (Rte 58) 0.65 mi. | Driveway 0.72 mi. | Kalepa Street 0.80 mi. | End Divided Hwy 0.92 mi. | 1 MP | Dirt Road 0.97 mi. | Beg Divided Hwy 1.01 mi. | Nuhou Street 1.23 mi. | Truck Weight Sta. 1.23 mi. | End Divided Hwy & Truck Weight Sta. 1.29 mi. | Kilohana Complex 1.33 mi. | Beg Divided Hwy 1.39 mi. | Nani Street 1.53 mi. | Beg Divided Hwy 1.58 mi. | Puhi Rd. (L)(R) 1.74 mi. | Dirt Rd. 1.74 mi. | End Divided Hwy 1.79 mi. | (Kauai Community College) 1.82 mi. | Beg Divided Hwy 1.86 mi. | End Divided Hwy 1.93 mi. | Anonui St. 1.93 mi. | Dirt Rd. 1.86 mi. | End Divided Hwy 2.00 mi. | Dirt Road 2.10 mi. | Rd. to Nursery 2.46 mi. | Road to Chemical Storage Hoonakaunelehua Str. Culvert 2.67 mi. | Cane Haul Rd. 2.62 mi. | Beg Divided Hwy 2.88 mi. | Kipu Rd. 2.95 mi. | 3 MP | ECB 2.92 mi. | End Divided Hwy 3.03 mi. | Paved Rd. 3.35 mi. | Cane Haul Rd. 3.47 mi. | Indicates Grass & / or Physical Barrier on Median. | KAUMUALII | 4 MP | Cane Haul Rd. 3.97 mi. 3.96 mi. | HIGHWAY | Begin Divided Hwy 4.58 mi. 4.55 mi. | ECB | Huleia Bridge (Halfway Bridge) 4.73 mi. | Road (R) Rd. to Quarry (R) 4.90 mi. | End Divided Hwy 4.99 mi.

CONTINUED ON SHEET #2 5.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type: 8' AC 0 | 6' AC 0.38 | 8' AC 0.57 | 4'–10' AC 0.70 | 8' AC 1.70 | 4' AC 1.87 | 6'–8' AC 2.86 | 4' AC 3.39 | 6'–8' AC 3.78 | 6' AC 3.85 | 6'–8' AC 4.27 | 5' AC 4.44 | 9' AC 4.48 | 4'–5' AC 4.58 | 8' AC 4.76 | 8' Conc. 4.94 | 8' AC

Pavement: Width and Type: 24' AC | 12' AC | 24' AC 0.69 | 12' AC 0.89 | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC 1.95 | 12' AC | 24' AC | 12' AC | 24' AC (24' AC)

Shoulder: Width and Type: 7' AC 0.06 | 10' AC 0 0.23 | 8' AC 0.28 | 4'–8' AC | 0 | 8' AC | 0 | 8' AC 1.52 | 4'–8' AC 1.58 | 0 | 6' AC 1.86 | 6'–8' AC 2.00 | 0 | 6'–8' AC | 0 | 6'–8' AC 3.38 | 5' AC 3.43 | 6'–8' AC | 5' AC 4.38 | 8' AC 4.51 | 10' AC | 0 | 4' AC

Divided Highway – Divided

Median: Width and Type: (4'–16' Raised Grass/Shurbs) 0.05 0.11 (0–12' Painted AC) | 0'–12' Painted AC 0.47 0.92 | 0'–10' Painted AC 1.07 1.39 | 0'–20' Painted AC 1.58 1.86 | 0'–12' Painted AC 2.00 | 0'–10' Painted AC 2.88 3.03 | 0'–12' Painted AC 4.55 4.99

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

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

Shoulder: Width and Type: 10' AC | (4'–8' AC) 0.52 | 8' AC | 8' AC | 8' AC 1.70 | 4' AC 1.78 | 8' AC | 6'–8' AC | (6'–8' AC) 2.82 | 5' AC 2.93 | (6'–8' AC) | 8' AC | 8' Conc 4.85 | 4' AC 4.95 | 4' AC 4.77

Number of Traffic Lanes: (2–12' (L)) (1–12' (R)) 0.06 | 2–12' | 2–12' 1–12' 0.80 | 2–12' 1.14 1.30 1.36 1.76 1.78 1.91 1.97 2.86 | 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): Accel. 0.56 0.60 0.69 0.80 0.89 | 12' TL 1.23 1.26 1.31 1.33 | 1.68 1.77 1.86 1.88 1.89 1.93 1.96 | 1–12' (R) TL 3.40 | 4.66

(Right Side): 1–12' (Accel. Lane) 0.31 | 1.15 1.23 | 1.67 1.74 1.78 | 1–10' (L) TL 2.93 2.96 | 1–12' (L) TL | 4.88

Frontage Road: No. of Lanes, and Width (Right and Left): (6'–8' Conc.) 0.09 0.69 | None | 4.63 4.78

Sidewalk: Width and Type (Right and Left): 4' Conc. 0.11 (6' Conc.) 0.37 | 4.91 4.96

Curb and/or Gutter: Type (Right and Left): (2' Conc. Curb/Gutter) 0.09 0.23 | 2.65 2.77 | 3.79 4.16 4.29 (6' Conc. Gutter) 4.87 | (6' Conc. Gutter)

Protective Devices: Type, Location and Number: Conc. w/ Metal 0.21 | 1.82 Metal w/ Metal 2.25 | Metal w/ Metal | Metal w/ Metal | Metal w/ Metal 4.48 | (Metal w/ Metal)

Illumination: Type, Location and Number: Metal w/ Metal 0.23 | (Wood w/ Wood) 1.33 | Metal w/ Metal 2.27 | (Metal w/ Metal) 2.54 2.65 | (Metal w/ Metal) 2.93 3.04 | Metal w/ Metal 4.38 | Metal w/ Metal 4.78; Luminairs 0.15 1.19 2.05

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 1.74 | Rural

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Rolling 0.52 | Flat 1.24 | Rolling 2.87 | Flat 3.36 | Rolling

Speed: 1–Design, 2–Posted: 25 MPH ② 0.32 0.37 | 35 MPH ② 2.00 2.01 | 40 MPH ② 3.34 3.41 | 50 MPH ②

Intersection Control Devices: Type, Location and Cycle Timing: 3 Phase 0.65 | 3 Phase 1.23 | 3 Phase 1.74

Traffic Station: B73 0050 00000 | B73 0050 00065 | B73 0050 00174 | B73 0050 00295 | (B73 0050 00494)

HPMS Section: 0.56 | 1.62 | 2.64 | 3.40

AADT (Year 2005): 29,281 0.65 | 29,364 1.74 | 26,310 2.95 | 23,828 4.94 (23,828)

DOD Sections

Census Tracts

Functional Classification: Principal Arterial (14) | Principal Arterial (2)

National Highway System (NHS): NHS 1.74 | None

Previous Projects: Project No., Date and Limits

- 0.22 STP-050-1(19), 1998
- HWY-K-03-96, 1997 Inter. Imprv. 3.40
- 2.96 STP-050-1(15) (R), 1996
- (HWY-K-03-96, 1977) 2.88 | 2.97 (BR-F-050-1(7), 1990 (BRIDG & APPRCH)) 4.53
- (HWY-K-03-82, 1983 (GUARDRAIL & SHOULDER IMPRV.)) 4.67
- 0.23 0.59 0.71 0.94 STP-050-1(15) (R) 1996 | 2.97 50 DE-01-86M (R), 1986 | 3.94 50D-01-87M (R), 1987 | 4.31 50 DE-01-86M, 1986 | 4.49 4.61 LT-K-02-79, 1980
- (50E-01-92M (R), 1993) 0.96 | 1.59 HWY-K-01-76M (R) 1976 | 2.98
- (LIHUE Plantation Project, 1964) 0.02 HWY-K-01-78M (R) 1.34 | D-50-01-63, 1965 2.97 | F12 (17), 1951 3.28 | D-50-01-65, 1965 4.89 (50-D-03-69 1970)
- 0.15 F-24(2) 1950 0.60 | FAP 12 F, 1937 3.33 (177+00) | FAP 12-G, 1935 4.31 (229+00) | FAP 12 I , 1937

SCALE: (In Miles) 4" = 1 mile

Date Released
Nov. 2001

Revised	
Apr. 04	D.B.
Jan. 06	D.B.
Sept. 06	D.B.

ROAD INVENTORY

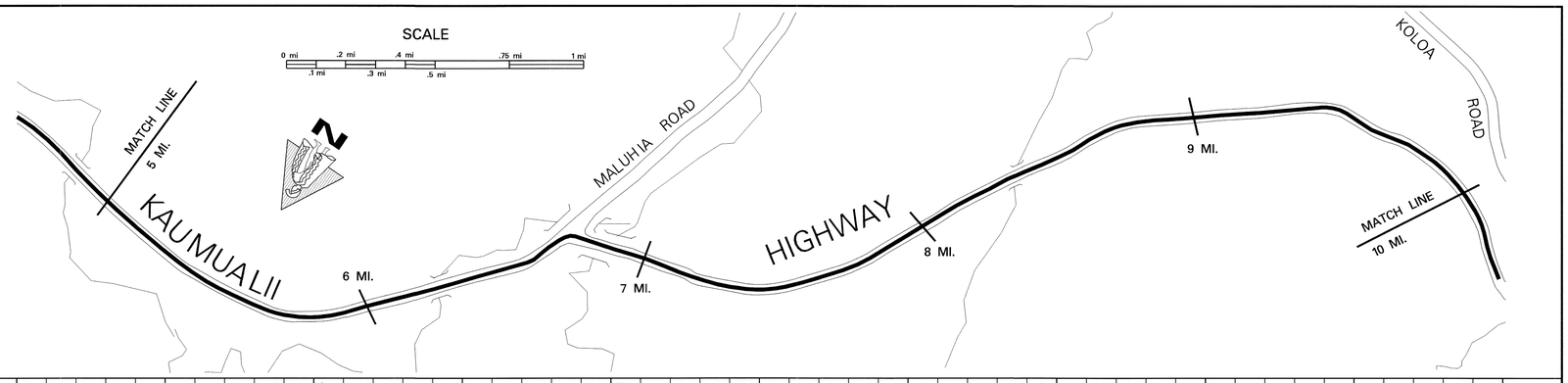
KAUAI RTE 50
KAUMUALII HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Designated Route Length:	32.93	MILES (a+b)
a. Existing Length:	32.93	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	32.93	MILES (a+b, less c)
a. Existing Length:	32.93	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: 50D (8.63 MI.)

Structure Carrying Road

- Bridges (Over 20'): Length, Type, Capacity and Year Constructed: RC FLAT SLAB, H-15 (STR) 1937 — 39'; RC FLAT SLAB, H-15 (STR) 1934 — 22'; CONT. CONC. TEE, H-15 (STR) 1934 — 140'
- Vertical Clearance: 6.22; 6.80; 8.27
- Horizontal Clearance: 24'; 24'; 24'

Structure Over Road

- Vertical Clearance
- Horizontal Clearance: (100') 7.54 7.66; (100') 7.83 7.97; (200') 8.18 8.22; (80') 8.75 8.85; 9.00; 9.14; (130') 9.27; (60') 9.55 9.73; (100') 9.77 9.95

Right of Way Width (min.–max.) if varies: 60' 5.46; 100' 5.76; 60' 6.38; 65' 6.88; 60' 7.54 7.66; 60' 7.83 7.97; 60' 8.18 8.22; 80' 8.32; 60' 8.75 8.85; 100' 9.00; 60' 9.14; 90' 9.42; 100' 9.27; 70' 9.55 9.73; 80' 9.77 9.95; (120')

Available Right of Way Width (Needs Study): Trees 5.33; Sugar Cane; Bushes & Trees

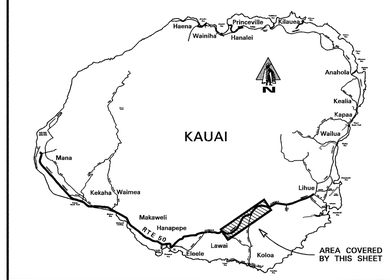
Right of Way Fence: Type – Right and Left: NONE

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: 5.42 5.56 (STP-050-1(24), GUARDRAIL/SHOULDER IMPRV., 2005); 7.17 50D-01-00M, Resurf., 2002; 8.54

Project No., Type of Construction, and Year Constructed: STP-050-1(22), 2002 Guardrail & Shldr. Imprv. 7.00; HWY-K-01-91M (R), 1991 (50CD-01-87M (R), 1987) 8.27; 8.45; 50 D-01-86 (GUARDRL., SHLDRS.) 1986 9.84



Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET #2 — 5.00 mi.

KAUMUALII HIGHWAY

Cane Haul Rds. 5.29 mi.; Culvert 5.76 mi.; Waowaopilau Br. 6.22 mi.; Begin Divided Hwy 6.51 mi.; Maluhia Rd. ECB 6.64 mi.; Waihohonu Br. #7F End Divided Hwy 6.69 mi.; 6.80 mi.; 6.77 mi.; Kahili Adventist Sch. & Kahili Mnt. Park 6.86 mi.; Omao Br. #7C 7.22 mi.; Punee Rd. 7.97 mi.; Punee Rd. 8.27 mi.; Begin Divided Maha Rd. ECB (R) 8.37 mi.; 8.43 mi.; 8.53 mi.; 8.58 mi.; Omao Rd. Maha Rd. 8.71 mi.; 8.75 mi.; End Divided 8.88 mi.; 8.95 mi.; Upa Rd. 9.10 mi.; Begin Divided Piko Rd. (R & L) 9.54 mi.; Huapoo Rd. End Divided 9.66 mi.; 9.84 mi.; Koloiki Rd. 9.76 mi.; Oyama Rd. 9.81 mi.; Rd. to Post Office 9.84 mi.; Aulima Rd. 9.80 mi.; 9.74 mi.; 9.88 mi.; 9.99 mi.; Akamama Road 10 mi.

6 MP; 7 MP; 8 MP; 9 MP; 10 MP

CONTINUED ON SHEET #3

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

- Shoulder: Width and Type: 8' AC; 4' AC; 6' AC; 3' AC; 4' AC
- Pavement: Width and Type: (24' AC); 36' AC; 24' AC; 12' AC; 24' AC; 36' AC; 24' AC; (12' AC); 24' AC; (12' AC); 24' AC; 12' AC; 24' AC
- Shoulder: Width and Type: (4' AC); 8' AC; 4' AC; 0; 4' AC; (6' AC); 0; 8' AC; 4' AC; 0; 4' AC

Divided Highway

- Median: Width and Type: (0'–8' Painted AC); 4'–12' Flush Grass; (4'–0' Painted AC); 0'–12' Painted AC; 0'–11' Painted AC
- Shoulder: Width and Type: 0; 0; 0
- Pavement: Width and Type: 12' AC; 12' AC; 12' AC
- Shoulder: Width and Type: 4' AC; (6' AC); 8' AC; 4' AC

Number of Traffic Lanes: (2-12'); 1-12'; 2-12'; 1-24'; 2-12'; 2-12'; 1-12'; 2-12'; 1-12'; 2-12'; 2-12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 12' Accel Lane; 12' Truck Climb Lane (L)

(Right Side): (12' Turn Lane); 1-10' (L) T.L.; 1-12' (L) T.L.

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): 6' Conc. Gutter; 6' Conc. Gutter; 4' AC Gutter

Protective Devices: Type, Location and Number: ALL METAL RAILS ON METAL POSTS; (Metal w/ Metal); Metal w/ Metal; Metal w/ Metal; Metal w/ Metal; Metal w/ Metal; Metal w/ Metal; Metal w/ Metal

Illumination: Type, Location and Number: M.V.; M.V.

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

Speed: 1–Design, 2–Posted: 50 MPH ②; 35 MPH ②

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: B73 0050 00494; B73 0050 00546; B73 0050 00669; B73 0050 00875; B73 0050 00964

HPMS Station: 5.40; 6.60; 7.00; 8.88

AADT (Year 2005): 23,828; 24,522; 14,155; 14,155; 14,950

DOD Sections

Census Tracts

Functional Classification: Principal Arterial (2); Minor Arterial (6)

National Highway System (NHS): None

Previous Projects: Project No., Date and Limits

Previous Projects: Project No., Date and Limits

(BR-F-050-1(7) (BRIDGE & APPROACH), 1990): STP-050-1(19), 1998; 5.42 5.44; 50D-01-98, Accel. Ln., 2000; 6.39 6.70; HWY-K-03-82 (GUARDRAILS & SHOULDER IMPROVEMENTS), 1983; 8.31

(LT-K-02-79, 1980): 5.01 5.41; 50 D-02-88M (R), 1988; 6.88; 50 CD-01-75M, 1975; (50 CD-01-75M, 1975); 8.30; 8.55; STP-050-1(10, R, 1993

HWY-K-01-76M (R), 1976; 6.53 6.57; 7.86; 8.54; 50D-02-76, R, 1976; 8.95

50-D-03-69, 1971; 5.36; D-50-01-64, 1964; 5.88; K-01-72, 1972; 6.39

WHP-12H, 1935-1937; 6.65; 50D-01-67, 1968; 8.27; 102 + 92; 164 + 08; 124 + 55

(FAP 12 I, (1937)): 5.06 (269 + 00); 6.53 (353 + 03); (0 + 00); NRH-12B, 1933; (87 + 04) 7.92; 50 CD-01-70, 1974; 8.29; NRH-128, 1933; 8.55; 8.59; 50D-01-90M, 1990; 8.92; 8.96; 50CD-01-75M, 1975; 179 + 70; (50D-01-67, 1968)

SCALE: (In Miles) 4" = 1 mile

Date Released
Nov. 2001

Revised	
Apr. 04	D.B.
Jan. 06	D.B.

ROAD INVENTORY

KAUAI RTE 50
KAUMUALII HIGHWAY

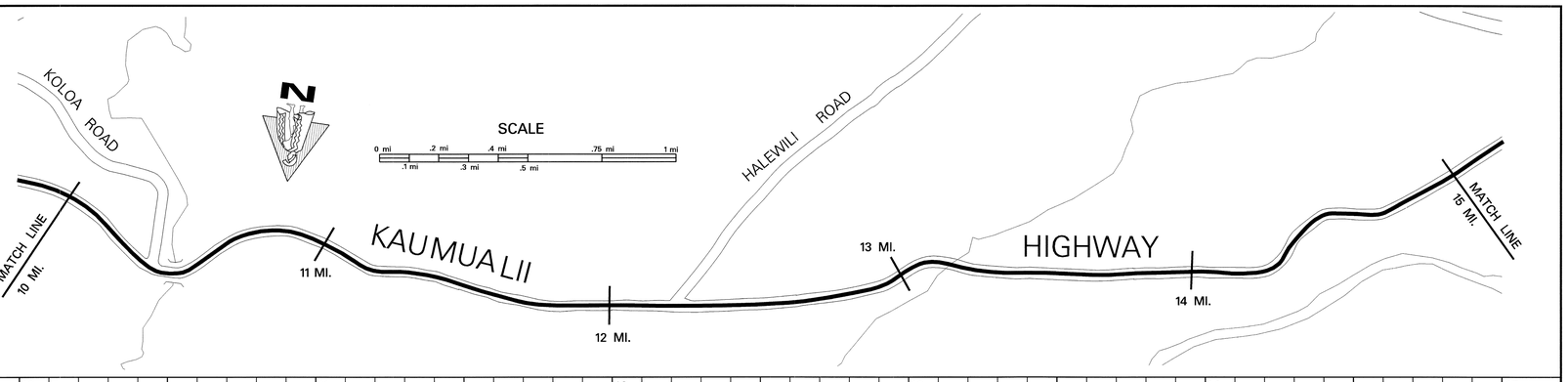
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

Total Designated Route Length:	32.93	MILES (a+b)
a. Existing Length:	32.93	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	32.93	MILES (a+b, less c)
a. Existing Length:	32.93	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

50D (8.63MI.) — BEG. 50 D & END 50 C ON KAUMUALII HWY. 100' EAST OF CENTERLINE INTERSECTION OF KOLOA RD. — 50 C (6.65MI.)

Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed: PRESTRESSED CONC. GIRDER 2003, HS-20-44 *BRIDGE WIDENING (112') — CONT. CONC. FRAME 1936 (STR) ESH15 (180')

Vertical Clearance: 10'-2" — 13'-8"

Horizontal Clearance: 60' — 24'

Structure Over Road — Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 120' 110' 110' 80' 100' 80' 90' 120' 210' (150') (100') 80' (90') (110') 120' (170') (135') 70' 60' 100' 60' 90' 100' (125') 135' 100' 60' 70' 80' 60'

Available Right of Way Width (Needs Study): Bushes & Trees — (Chain Link) — Clear 1000' Sugar Cane W/W

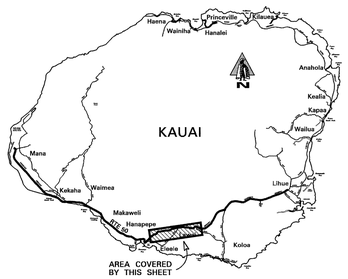
Right of Way Fence: Type – Right and Left

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): 72+00 STATE

Project No., Type of Construction, and Year Constructed: 50CD-02-00M RESURF 2002; STP-050-1(24), GUARDRAIL/SHOULDER IMPROVEMENTS, 2005

Project No., Type of Construction, and Year Constructed: STP-050-1(11) (R), 1993; STP-050-1(17) WIDENING 2003; 50C-01-01M 2004 RESURFACE; 50C-01-00M (R), 2000; 50C-02-01M (R) 2004



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #2 — KAUMUALII HIGHWAY — CONTINUED ON SHEET #4

ECB (R) Begin Divided; (66-67) Kua Rd.; Waiwai Rd. (Old Rte 530); End Divided; Kuli Rd.; Lauoho Rd.; Hokua Rd.; Begin Divided; Papaina Rd.; End Divided; Begin Divided; Halewili Rd. (Rte 540); End Divided; Wahiawa Br. Road; Hanapepe Valley Lookout; ECB (R); Road to Water Tank; Road to Water Tank; Begin Divided; Laulea St.

11 MP; 12 MP; 13 MP; 14 MP; 15 MP; (81-80); Opu Rd.; Puuwai Rd.; Road to Olu Pua Gardens; ECB

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type: 4' AC; 6' AC; 4' AC; 6' AC

Pavement: Width and Type: (24' AC) 36' AC; 24' AC; 12' AC; 24' AC; 12' AC; 22' AC; 24' AC; 12' AC; (24' AC); (40' AC); 38' AC; 20' AC; 24' AC; 12' AC

Shoulder: Width and Type: 4' AC; 0; 4' AC; 7' AC; 0; 4'–6' AC; 0; 6' AC; 0

Divided — Median: Width and Type: 0–6' Painted AC; 0'–10.5' Painted AC; 0'–12' Painted AC; 0'–12' Painted AC

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

Pavement: Width and Type: 12' AC; 11' AC; 12' AC; 12' AC

Shoulder: Width and Type: 4' AC; 4'–5' AC; (4' AC); 4'–8' AC; (4'–6' AC); 6' AC; 6' AC

Number of Traffic Lanes: (2–12') 2–12'; 2–12'; 2–12'; 2–10'; 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 1–12' Truck Climbing Lanes (L); 1–12' (R) T.L.; 1–12' (L) T.L.; 14' Truck (L) Climbing Lane; (1–11' Accel lane); 10'

(Right Side): (All T.Ls 12'); 10.5' (L) T.Ls.; 1–12' (L) T.L.; 1–12' (R) T.L.; 12'

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

Sidewalk: Width and Type (Right and Left): 3' Conc.

Curb and/or Gutter: Type (Right and Left): 3' AC Gutter; 6' AC Gutter; 3' AC Gut.; AC Gutter

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

Illumination: Type, Location and Number: M.V.; M.V.

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; Rolling; Flat; Mountainous; Rolling

Speed: 1–Design, 2–Posted: 35 MPH ②; 25 MPH ②; 35 MPH ②; 50 MPH ②; 35 MPH ②

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

Traffic Station: B73 0050 00964; B73 0050 01039; B73 0050 01175; B73 0050 01227; B73 0050 01318

HPMS Section: 10.27; 10.61; 12.18; 12.37

AADT (Year 2005): 14,950; 20,884; 20,884; 18,091; 14,646

DOD Sections

Census Tracts

Functional Classification: Minor Arterial (6)

National Highway System (NHS): None

Previous Projects: Project No., Date and Limits

STP-050-1(11) (R), 1993; (STP-050-1(11), R, 1993); (50CD-01-87M (R), 1987); HWY-K-01-87 SECTION 1 (GARDRAIL & SHLD, IMPRV.), 1987; 50D-01-67, 1968; (50CD-01-75M, 1975); 50 CD-01-75M, 1975; (50CD-01-70, 1974); NRH-12B, 1933; 50D-01-67, 1968; NRH-12C, 1935; HWY-K-01-91M, 1991; HWY-K-01-91M (R), 1991; STP-050-1(9) (WIDENING), 1996; STP-050-1(9), 1995; 50 CD-01-70, 1974; 50-D-02-67, 1967; NRH-12D, 1935; STP-050-1(12) (GUARDRAIL & SHLDR. IMPRV.), 1995; 50C-01-87M (R), 1987; (HWY-K-05-77M(R), 1977); 50C-01-87M (R), 1987; 50A-01-71, 1970; FAP 12J, 1938; 50C-01-90M (R), 1991; HWY-K-01-77M (R), 1977; 50C-01-90M (R), 1991

SCALE: (In Miles) 4" = 1 mile

Date Released
Nov. 2001

Revised	
Apr. 04	D.B.
Jan. 06	D.B.

ROAD INVENTORY

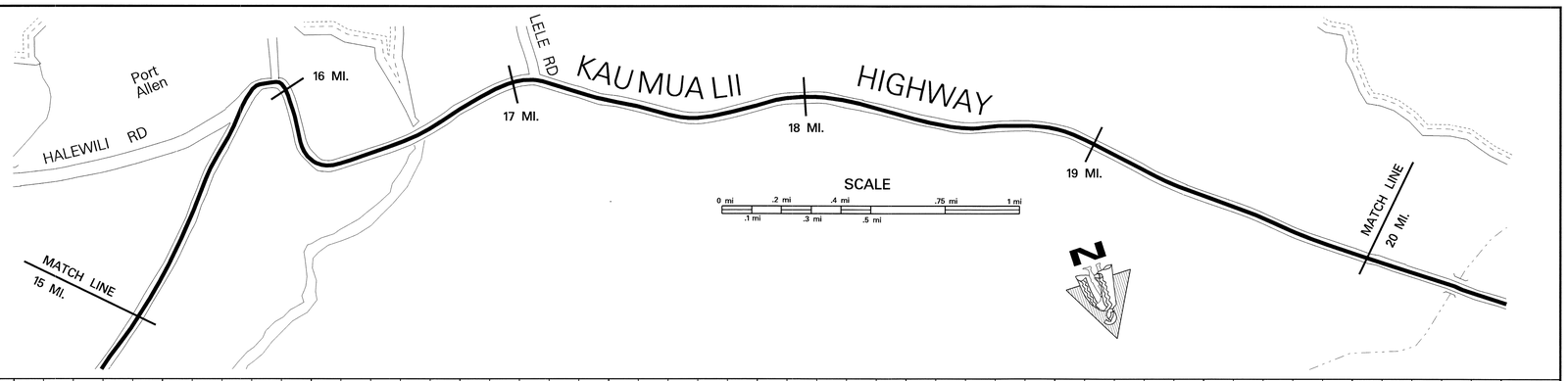
KAUAI RTE 50
KAUMUALII HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Designated Route Length:	32.93	MILES (a+b)
a. Existing Length:	32.93	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	32.93	MILES (a+b, less c)
a. Existing Length:	32.93	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

50 C (6.65) | END OF 50 B AND BEGIN 50 C ON KAUMUALII HWY. AT THE CENTERLINE INTERSECTION WITH LELE RD. | 50 B (7.46 MI.)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: TEE BEAM 1939, H15 — 44' — 16.24; TEE BEAM 1938, H20 — 277' — 16.57

Vertical Clearance

Horizontal Clearance: 38' — 24'

Structure Over Road

Vertical Clearance: RC FLAT SLAB ON STEEL (PED. O.P.), 1939 — 15.98; RC FLAT SLAB (PED. O.P.), 1948 — 15'-11" — 18.74; RC DECK GIRDER (RD), 1948 — 15'-02" — 19.50

Horizontal Clearance: (90') — 17.07; 31' — 18.81; 40' — 19.50

Right of Way Width (min.–max.) if varies: 60' — 80' — 90' — 110' — 80' — 80' — 80' — 114' — 80' — 140' — 80' — 100' — 80' — 120' — 80'

Available Right of Way Width (Needs Study): Clear 1000' Sugar Cane — Commercial/Residential (w/ Sugar Cane) — Clear 1000' – Open Field — Residential — Sugar Cane

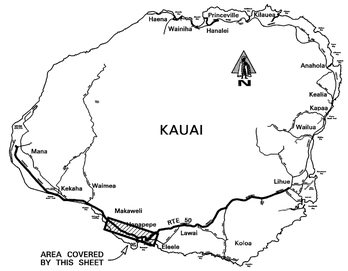
Right of Way Fence: Type – Right and Left: Wood — Wire on Wood

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

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

Project No., Type of Construction, and Year Constructed: STP-050-1(24), GUARDRAIL & SHLDR. IMPRV., 2005 — 245+00 — (STP-050-1(14), 1998) — (HWY-K-02-98 (IMPRV.), 2000) — (HWY-K-02-98 (IMPRV.) 2000) — (HWY-K-02-98 (IMPRV.) 2000)

Project No., Type of Construction, and Year Constructed: 50C-02-01M (R) 2004 — STP-050-1(10), 1993 — (STP-050-1(12), 1995) — STP-050-1(18), 1997



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #3 — 15 mi. — End Divided; Mehana Rd.; Begin Divided; Mahea Rd.; Laulea St.; End Divided; Ulaula Rd.; Mehana Rd.; Eleele Rd.; Halewili Rd. (Rte 540); Spur; Begin Divided; Waiolo Rd. (Rte 541); Eleele Rd.; Pedestrian O.P.; Road; 16 MP; Paved Road; McBryde Ptn. Rd. U.P.; Hanapepe Rd.; Puna Rd.; 245+00; Kona Rd.; Hanapepe Br.; Ione Rd.; Papa Rd.; Puolo Rd.; Begin Divided; Moi Rd.; End Divided; Culvert; Begin Divided; Lele Rd.; End Divided; 17 MP; **KAUMUALII**; ECB (R); Cane Haul Rd.; 18 MP; **HIGHWAY**; Cane Haul Rd.; Begin Divided; Kaumakani School Rd.; End Divided; Kaumakani Village Rd.; Pedestrian O.P.; Begin Divided; Kaumakani Sch. Rd.; Paved Rd.; Makaweli Ave.; Paved Rd.; End Divided; 19 MP; 18.93 mi.; Cane Haul Rd.; Road O.P.; ECB (R); CONTINUED ON SHEET #5 — 20 mi.

15.07 mi. 15.27 mi. 15.38 mi. 15.46 mi. 15.56 mi. 15.57 mi. 15.63 mi. 15.69 mi. 15.76 mi. 15.83 mi. 15.92 mi. 15.93 mi. 15.99 mi. 16.00 mi. 16.21 mi. 16.24 mi. 16.28 mi. 16.40 mi. 16.44 mi. 16.47 mi. 16.53 mi. 16.57 mi. 16.63 mi. 16.69 mi. 16.72 mi. 16.79 mi. 16.90 mi. 16.93 mi. 16.96 mi. 17.02 mi. 17.05 mi. 17.86 mi. 17.93 mi. 18.32 mi. 18.46 mi. 18.52 mi. 18.57 mi. 18.63 mi. 18.74 mi. 18.80 mi. 18.81 mi. 18.87 mi. 18.93 mi. 19.02 mi. 19.03 mi. 19.11 mi. 19.26 mi. 19.50 mi. 19.61 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type: 6' AC — 8' AC — 6'-14' AC

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

Shoulder: Width and Type: 0 — 6' AC — 0 — 6' AC — 0 — 8' AC — 6' AC — 0 — 6'-14' AC — 0 — 6'-14' AC — 0 — 6'-14' AC — 0 — 6'-14' AC — 0 — 6' AC

Divided Highway — Divided

Median: Width and Type: 0'-12' Painted AC — 0'-8' Painted AC — 0'-12' Painted AC — 0'-12' Painted AC — 0'-8' 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: 12' AC — 12' AC — 12' AC — 12' AC — 12' AC — 12' AC

Shoulder: Width and Type: 6' AC — 6' AC — 6' AC — 8' AC — 6'-14' AC — 4' AC — 6'-14' AC — 9' AC

Number of Traffic Lanes: 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 12' T.L. — 10' T.L. — 12' T.L. — 12' T.L. — 12' T.L. — 11' (L) T.L. — 12' (L) T.L. — 12' T.Ls.

(Right Side)

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

Sidewalk: Width and Type (Right and Left): 4' Conc. — 3' Conc.

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

Protective Devices: Type, Location and Number: Metal w/ Metal — M/M — (Metal w/ Metal) — Metal w/ Metal — (Metal w/ Metal) — Metal w/ Metal — Metal w/ Metal

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

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: 35 MPH (2) — 45 MPH (2) — 50 MPH (2) — 45 MPH (2) — 35 MPH (2) — 45 MPH (2) — 35 MPH (2) — 50 MPH (2)

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

Traffic Station: B73 0050 01318 — B73 0050 01569 — B73 0050 01592 — B73 0050 01702

HPMS Section: 15.20 — 15.82 — 16.09 — 17.86

AADT (Year 2005): 14,646 — 18,159 — 17,422 — 12,827

DOD Sections

Census Tracts

Functional Classification: Minor Arterial (6)

National Highway System (NHS): None

Previous Projects: Project No., Date and Limits

STP-050-1(12) (GUARDRAILS & SHLDR. IMPRV.), 1995

50C-01-90M (R), 1991 — 50B-02-93M (FOG SEALING), 1994

(HWY-K-01-77M (R), 1977) — 50B-01-86M (R), 1986 — HES-050-1(8) (SHLDR. & GUARDRAIL IMPRV.), 1990

50A-01-71, 1970 — 50A-01-71, 1971 — SD-65-364, 1965 — (50B-01-74, 1974) — FAP 12J, 1938 — FAP 29B (1), 1938 — FAP-F29(4), 1946

SCALE: (In Miles) 4" = 1 mile

Date Released
Nov. 2001

Revised	
Apr. 04	D.B.
July 04	D.B.
Jan. 06	D.B.

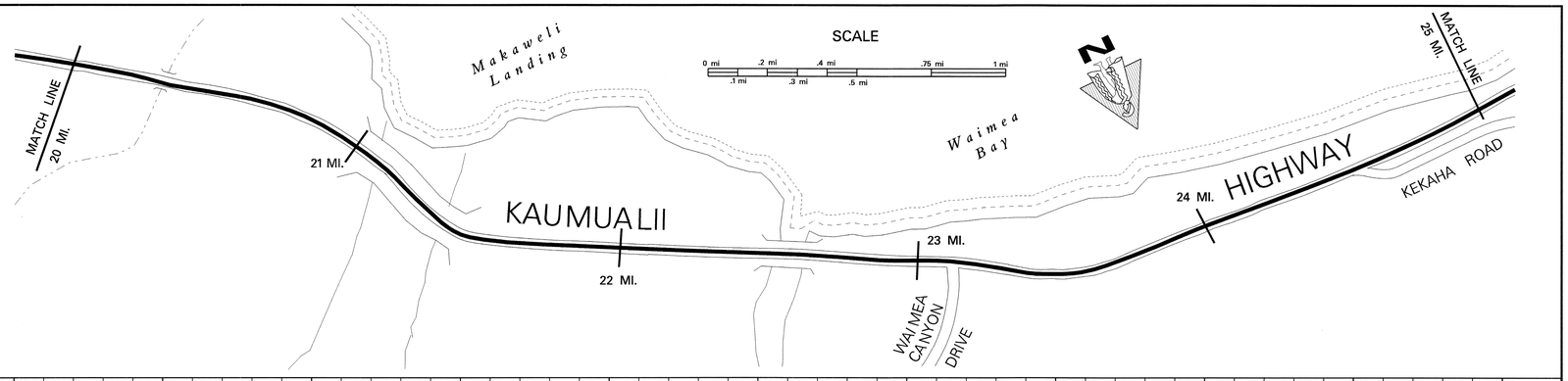
ROAD INVENTORY
KAUAI RTE 50
KAUMUALII HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Designated Route Length:	32.93	MILES (a+b)
a. Existing Length:	32.93	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	32.93	MILES (a+b, less c)
a. Existing Length:	32.93	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

50 B (7.46 MI.) | END 50 A – BEG 50 B ON KAUMUALII HWY. AT THE CENTERLINE INTERSECTION WITH KEKAHA RD. (24.48) | 50 A (8.45 MI.)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- TEE BEAM 1948, H20 115' (20.33)
- TEE BEAM 1948, H20 50' (21.02)
- TEE BEAM 1948, H20 75' (21.25)
- TEE BEAM 1940, H20 365' (22.47)

Vertical Clearance
Horizontal Clearance
- 26' | 26' | 26' | 24'

Structure Over Road

Vertical Clearance
Horizontal Clearance

Right of Way Width (min.–max.) if varies
- 80' (20.33) 120' (20.64) 80' (20.76) 120' (20.90) 100' (20.96) 80' (21.06) 90' (21.36) 80' (22.03) 80' (23.36) 80' (24.07) 80' (24.43)

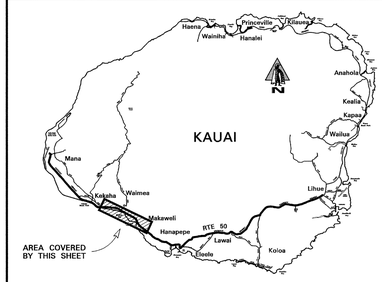
Available Right of Way Width (Needs Study)
- Sugar Cane | Trees + Bushes (W/W 20') | Sugar Cane | Residential/Commercial | Residential | Ranch/Pasture (L), Sugar Cane (R) (WW / WOOD / WW) | Trees & Bushes (Residential (R) Beach (L))

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
- (HWY-K-02-98 (IMPRV.) 2000) (20.54) (20.70) (20.98) STP-050-1(25), GUARDRAIL/SHOULDER IMPR., 2005 (F-050-1(1), 1957)

Project No., Type of Construction, and Year Constructed
- STP-050-1(18), 1997 (21.34) 50B-01-00M, Resurf., 2003 (23.13) (23.08) 50B-01-67, 1967 (24.34) (24.26) BD 66-341 (R), 1967



Road Diagram
* MP = Milepost Signage

CONTINUED FROM PAGE #4 (20 mi.)

Mahinauli Br. (20.27 mi.) | Makaweli Flume (O.P.) (20.33 mi.) | End Divided (20.54 mi.) | Makaweli Post Office (20.62 mi.) | Begin Divided (20.69 mi.) | Road to Makaweli Landing (20.82 mi.) | Paved Road (20.95 mi.) | Aakukui Br. (21.02 mi.) | Paved Road (21.09 mi.) | 21 MP | ECB (R) | Mahaikona Br. (21.35 mi.) | Cane Haul Rd. (21.41 mi.) | Cane Haul Rd. (21.50 mi.) | Gay & Robinson Plantation Rd. (21.93 mi.) | 22 MP | Road (22.28 mi.) | Russian Fort Parking Lot (22.39 mi.) | Waimea Br. (22.47 mi.) | Ala Wai Rd. (22.59 mi.) | Panaco Rd. (22.69 mi.) | Menehune Rd. (22.78 mi.) | Halepule Rd. (22.84 mi.) | Moana Rd. (22.89 mi.) | Ola Rd. (22.94 mi.) | Pokole Rd. (23.01 mi.) | 23 MP | Makeke Rd. (23.06 mi.) | Waimea Canyon Dr. (Rte 550) (23.14 mi.) | Roads (23.20 mi.) | Haukai Rd. (23.26 mi.) | Brewery (23.33 mi.) | Kikiaola Ranch (23.74 mi.) | ECB 24 MP (23.89 mi.) | Kekaha Rd. (24.41 mi.) | Cowboy Kikiaola Harbor Rd. (24.40 mi.) | Kikiaola Place (24.68 mi.) | Mamo Rd. (24.79 mi.) | 25 MP (24.93 mi.)

KAUMUALII HIGHWAY

CONTINUED ON PAGE #6 (25 mi.)

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type
Pavement: Width and Type
Shoulder: Width and Type
- 6'–14' AC | 0 | 8' AC (18' AC) | 4' AC
- 24' AC | 12' AC | 24' AC | 24' AC (23' AC) | 24' AC
- 6' AC | 0 | 6' AC | 0 | 4' AC

Divided Highway – Median

Median: Width and Type
Shoulder: Width and Type
Pavement: Width and Type
Shoulder: Width and Type
- 0'–8' Painted AC (20.34–20.69)
- 0
- 12' AC
- 6' AC

Number of Traffic Lanes
- 2–12' | (2–12') 1–12' 1–20' | 1–12' 1–11' | 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)
(Right Side)
- 12' (L) TLs (20.57–20.62)
- 8' Parking Lanes | 8' Parking Lanes | 10' Diag Pkg | 8' Pkg

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

Sidewalk: Width and Type (Right and Left)
- 3' Conc.

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

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

Illumination: Type, Location and Number
- (1) M.V. | M.V. | M.V. | M.V.

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

Speed: 1–Design, 2–Posted
- 35 MPH ② | 45 MPH ② | 50 MPH ② | 35 MPH ② | 25 MPH ② | 35 MPH ② | 45 MPH ② | 50 MPH ② | 45 MPH ② | 35 MPH ②

Intersection Control Devices: Type, Location and Cycle Timing
- None

Traffic Station
- B73 0050 01702 | B73 0050 02247 | B73 0050 02308 | B73 0050 02452

HPMS Section
- 22.76 | 23.41

AADT (Year 2005)
- 12,827 | 13,718 | 10,473 | 8,123

DOD Sections
Census Tracts
Functional Classification
- Minor Arterial (6)

National Highway System (NHS)
- None

Previous Projects: Project No., Date and Limits
- STP-050-1(18), 1997 | STP-050-1(12) (GUARDRL. & SHLDR. IMPRV.), 1995 | STP-050-1(12) (GUARDRAIL & SHLDR. IMPRV.), 1995 | 50B-02-93M (FOG SEALING), 1994 | (HES-050-1(8) (SHLDR. & GUARDRAIL IMPRV.), 1990) | 50B-01-86M (R), 1986 | FAP-F29(4), 1946 | 50B-01-92M (R), 1992 | HW-K-01-78M (R), 1978 | FAP 29 A(1), 1938 | STP-050-1(10) (R), 1993 | BD 66-341 (R) 1967 | STP-050-1(13) (R), 1995 | LT-K-03-80M (R), 1980 | FAP 29D (1), 1941 | DAWR 1, 1942 – 1944

SCALE: (In Miles) 4" = 1 mile

Date Released	
Nov. 2001	
Revised	
Feb. 04	D.B.
July 04	D.B.
Jan. 06	D.B.

ROAD INVENTORY

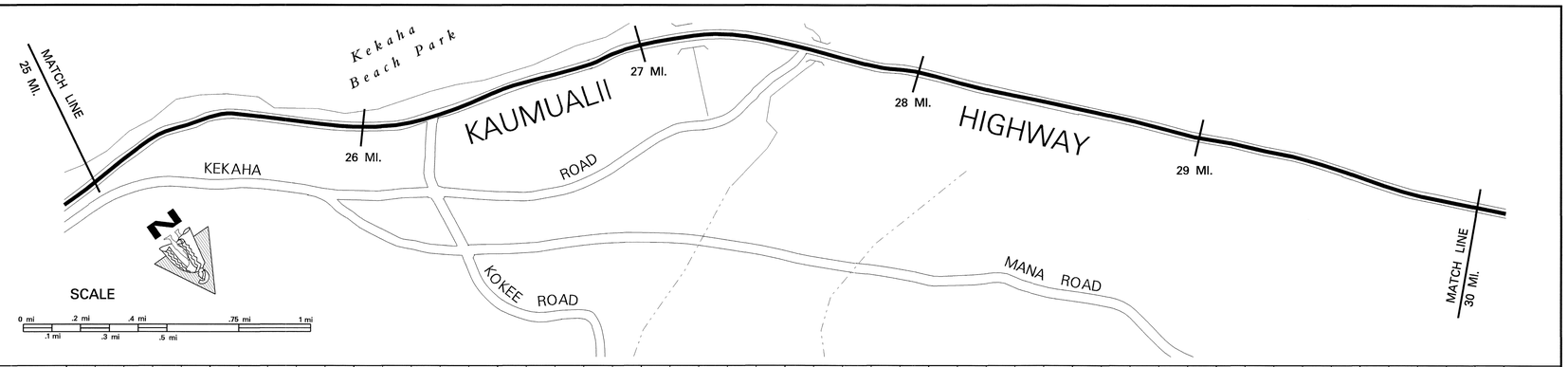
KAUAI RTE 50
KAUMUALII HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Designated Route Length:	32.93	MILES (a+b)
a. Existing Length:	32.93	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	32.93	MILES (a+b, less c)
a. Existing Length:	32.93	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

25 26 27 28 29 30

Maintenance Control Sections : Length and Description: 50 A (8.45 MI.)

Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed: RC CONT. FLAT SLAB (CNL) HS-20, 1957 — 68' (27.21); RC FLAT SLAB (CNL) 1957 — 33' (27.57)

Vertical Clearance

Horizontal Clearance: 42'; 42'

Structure Over Road — Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 80' (26.55); 100'

Available Right of Way Width (Needs Study): Residential (R) Beach (L); 1000' Clear (Bushes & Sugar Cane 20' F.E.P.))

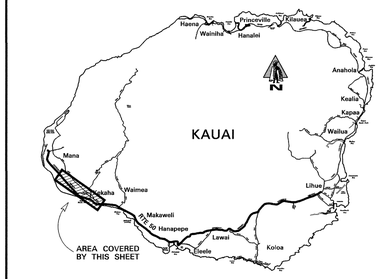
Right of Way Fence: Type – Right and Left: Wood 25' FEP (25.53–25.77); WW 50' FEP (26.01–26.39); WW 50' FEP (26.41–28.71); WW 75' FEP (28.71–29.96)

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

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

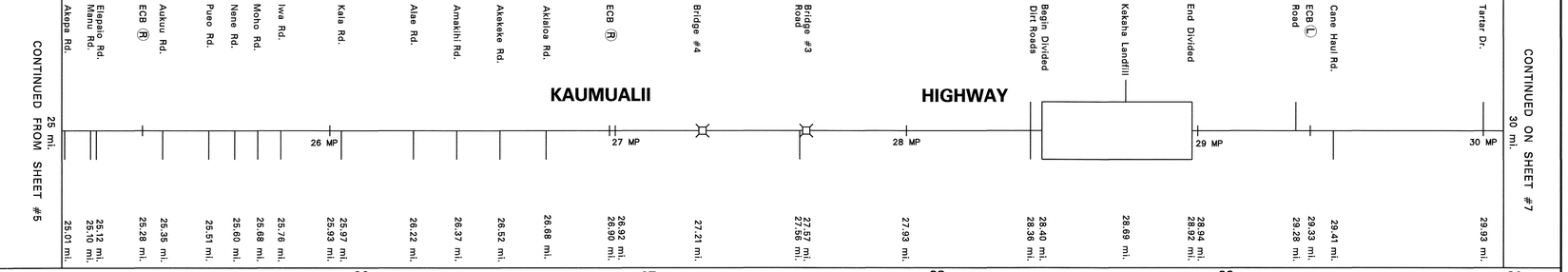
Project No., Type of Construction, and Year Constructed: (F-050-1(1), 1957) (26.06–26.55); STP-050-1(25), GUARDRAIL AND SHOULDER IMPROVEMENTS, 2005

Project No., Type of Construction, and Year Constructed: (BD 66-341) (R), 1967); ER-10(2) (STORM DAMAGE RECONSTRUCTION), 1984 (25.11–27.28); HWY-K-01-82M (R), 1968 (27.28–28.42); STP-050-1(12) (GUARDRL. & SHLDR, IMPRV.), 1995 (28.42–30)



Road Diagram

MP = Milepost Signage



SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type: 4' AC; 20' AC (25.08–25.19); (4' AC) (25.19–25.35); 5' AC; (34' AC) (27.19–27.57); 4' AC; 6' AC (28.61–30)

Pavement: Width and Type: 24' AC; 22' AC (25.19–25.35); 24' AC; (12' AC) (28.42–28.61); 11' AC; 22' AC

Shoulder: Width and Type: 4' AC; 6' AC (26.02–28.61); 0; 6' AC

Divided — Median: Width and Type: 0'–11' Painted AC (28.40–28.92)

Shoulder: Width and Type: 0

Pavement: Width and Type: (12' AC) (28.42–28.61); 11' AC

Shoulder: Width and Type: 6' AC

Number of Traffic Lanes: 2–12' (25.10–25.35); 2–11' (25.35–28.61); 2–12'; 2–11'

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

(Right Side): 11' TLs (28.68–28.69; 28.69–28.77)

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

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

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

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

Illumination: Type, Location and Number: M.V. (25.08–25.10); M.V. (25.65–26.07); M.V. (26.07–26.27); (27.19–27.25); (27.24–27.56); (27.60–27.74)

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

Speed: 1–Design, 2–Posted: 35 MPH ② (25.78–26.70); 50 MPH ②

Intersection Control Devices: Type, Location and Cycle Timing: None

Traffic Station: B73 0050 02452; B73 0050 02622; B73 0050 02869

HPMS Section: 25.28; 27.57

AADT (Year 2005): 8,123 (26.22); 7293 (28.69); 2,941

DOD Sections

Census Tracts

Functional Classification: Minor Arterial (6)

National Highway System (NHS): None

Previous Projects: Project No., Date and Limits

ER-11(2), 1997 (25.08–25.34); (F-050-1(1), 1957) (25.34–25.78); 25.84; 50E-03-68 (R), 1968 (26.46–27.08); HWY-K-01-82M (R), 1968; STP-050-1(13) (R), 1995; BD 66-341 (R), 1967 (26.23); (F-50-1(1), 1957); (50E-03-68 (R), 1968); LT-K-03-80M (R), 1980 (25.87–26.46); 50E-03-68 (R), 1968 (27.21–27.26); LT-K-03-80M (R), 1980 (27.26–27.59); 50 E-03-68 (R), 1968 (28.30); 50A-01-89M (R), 1990 (28.42); DAWR 1, 1942 – 1944 (27.23)

SCALE: (In Miles) 4" = 1 mile

Date Released
Nov. 2001

Revised	
Jan. 06	D.B.

ROAD INVENTORY
KAUAI RTE 50
KAUMUALII HIGHWAY, LIO RD., KAO RD.

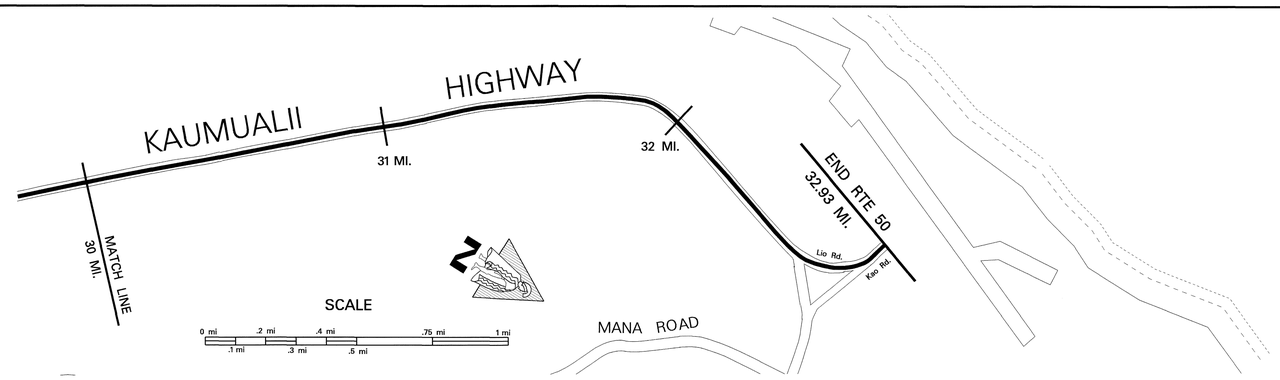
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

Total Designated Route Length:	32.93	MILES (a+b)
a. Existing Length:	32.93	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	32.93	MILES (a+b, less c)
a. Existing Length:	32.93	MILES
b. Temporary Length:	0.00	MILES
c. Length used as T.W. for another Route:	0.00	MILES (–)

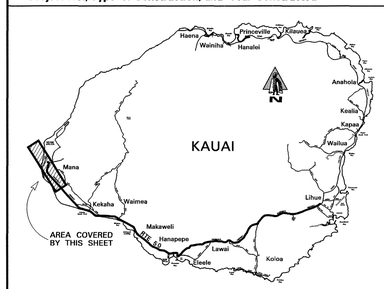
NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles) 4" = 1 mile

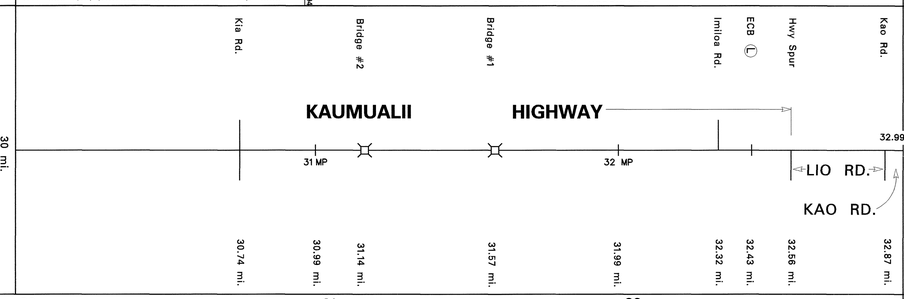
30 | 31 | 32 | 33 | 34 | 35

Maintenance Control Sections : Length and Description	50 A (8.45 MI.) BEG. 50 A – SAME AS END RTE 50.
Structure Carrying Road – Bridges (Over 20'): Length, Type, Capacity and Year Constructed	RC FLAT SLAB (CNL) HS–20, 1957 41' (31.14); 41' (32.67) RC FLAT SLAB (CNL) HS–20, 1957
Structure Carrying Road – Vertical Clearance	
Structure Carrying Road – Horizontal Clearance	42' 42'
Structure Carrying Other Road – Vertical Clearance	
Structure Carrying Other Road – Horizontal Clearance	
Right of Way Width (min.–max.) if varies	100'
Available Right of Way Width (Needs Study)	1000' Clear (Bushes & Sugar Cane 20' F.E.P.)
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–050–1(25), (GUARDRL.& SHLDR. IMPRV.), 2005 (32.67)
Project No., Type of Construction, and Year Constructed	STP–050–1(12) (GUARDRL.& SHLDR. IMPRV.), 1995 (30.94) 50A–01–02M 2004 RESURFACE



Road Diagram
* MP = Milepost Signage

CONTINUED FROM SHEET #6



END RTE 50 ON KAO ROAD AT THE NORTH ENTRANCE GATE OF THE PACIFIC MISSLE RANGE FACILITY. 32.93 mi.

SCALE: (In Miles) 4" = 1 mile

30 | 31 | 32 | 33 | 34 | 35

Divided Highway – Undivided – Shoulder: Width and Type	6' AC
Divided Highway – Undivided – Pavement: Width and Type	22' AC
Divided Highway – Undivided – Shoulder: Width and Type	6' AC
Divided Highway – Median: Width and Type	
Divided Highway – Shoulder: Width and Type	
Divided Highway – Pavement: Width and Type	
Divided Highway – Shoulder: Width and Type	
Number of Traffic Lanes	2–11'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	NONE
(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)	NONE (31.17 31.14) (31.60 31.55)
Protective Devices: Type, Location and Number ALL GUARDRAILS METAL ON METAL	(31.56 31.12) (31.59 31.55)
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	Flat
Speed: 1–Design, 2–Posted	50 MPH ② (32.23 32.22) 35 MPH ②
Intersection Control Devices: Type, Location and Cycle Timing	NONE
Traffic Station	B73 0050 02869 B73 0050 03232
HPMS Section	31.99 32.56
AADT (Year 2005)	2,941 (32.32) 771
DOD Sections	
Census Tracts	
Functional Classification	Minor Arterial (6)
National Highway System (NHS)	NONE
Previous Projects: Project No., Date and Limits	
	STP–050–1(12) (GUARDRL.& SHLDR. IMPRV.), 1995
	30.94 50A–01–89M (R), 1990
	DAWR 1, 1942 – 1944 (31.17 31.16) (F–050–1(1), 1957) (31.61 31.60) 50A–02–70 (R), 1970 (F–050–1(1), 1957) (32.55) 32.54

SCALE: (In Miles) 4" = 1 mile

30 | 31 | 32 | 33 | 34 | 35

Date Released	
Nov. 2001	
Revised	
Jan. 06	D.B.

ROAD INVENTORY
KAUAI RTE 51
WAAPA RD., RICE ST., KAPULE HWY

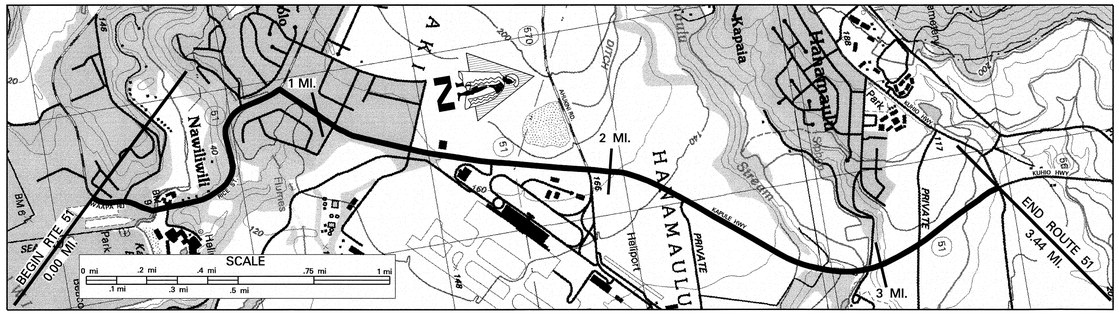
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

Total Route Length: 3.44 miles
- a. Survey Length: 3.44 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: * 0.00 miles

*



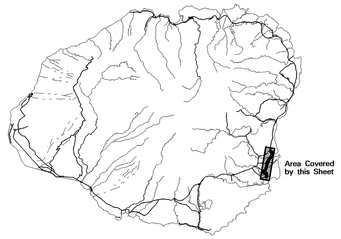
SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

Begin 51A Same as Begin Rte 51 — 51A (0.91 MI.) — End 51A on Rice St. 830' N.W. of Mokoi St. Center Line. (0.91) — 51B (1.04 MI.) (1.95)

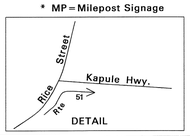
Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed	SS-CONC. TEE 1933 H-15 (0.21) 50' (2.78) PRESTRESSED CONC. GIRDER, 1988 HS-20-40 1140'
Vertical Clearance	
Horizontal Clearance	24' 40'
Structure Over Road Vertical Clearance	
Horizontal Clearance	
Right of Way Width (min.-max.) if varies	80' (0.11) 50' (0.38) 60' (0.60) (0.65) 60' (0.77) 50' 100' (1.98) 160' (2.27) 150'-155' (2.49) 180' (2.68) 190' (2.76) 120'-165' (2.81) 120'-195' (2.86) 205'-285' (2.91) 180'-210' (3.02) (3.15) 150'-165'
Available Right of Way Width (Needs Study)	Res./Comm. (0.40) Trees & Bushes (0.93) Res./Comm. (1.77)
Right of Way Fence: Type - Right and Left	(1.46) Wire (1.62)
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-051-1(10), R, 2002 (0.80) (1.01) STP-051-1(9), Imprv., 2000 (1.20) (1.77) STP-051-1(20), Imprv., 2000 (2.09) 51B-01-00M, 2001, Imprv.
Project No., Type of Construction, and Year Constructed	(0.43) STP-0700(38), 1998 (0.74) (0.84) 51B-01-92M, (R) 1993 (1.50) DP-F-051-1(3), 1975 (1.74) F-051(7), 1988 (2.79) F-051-1(8), '88 (2.99) F-051-1(7), 1988



Road Diagram

* MP = Milepost Signage



Begin Rte 51 on Waapa Road at the Center Line with Nawiliwili Road Intersection. (Rte 58) — 0.00 MI.

ECB — Lala Rd. Divided — Begin Divided — Drive Way — End Divided — Kalapaki Rd. Nawiliwili Br. — End Divided — End Divided & Rd to Kauai Marriott Hotel — Begin Divided — Mokoi St. — End Divided Rice St. — Begin Divided — MP — Begin Divided — Halau St. (L) — End Divided — Road (L) — Military Museum — Begin Divided — Kaana St. — Cane Haul Rd. — Akukini Rd. (Rte 570) — MP — End Divided — Cane Haul Rd. — Hanamaulu Viaduct — MP — Begin Divided — 3.49 MP

Rice St. — Waapa Rd. — Haoa St. (R) — Shore Line Access (R) — Kapule Hwy

End Rte 51 on Kapule Hwy at the South East Corner of Kuhio Highway (Rte 56). 3.44 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided: Shoulder: Width and Type	8' AC; 4'-6' Grs. (0.24); 4'-6' AC; 2' AC/ 4' Grass (0.87); 10' AC (1.56); 8' AC; 8' PCC; 8' AC
Pavement: Width and Type	12' AC; 24' AC; 12' AC; (24' AC); 36' AC; 12' AC; 24' AC; 12' AC; 24' AC; 12' AC (2.77); 24' PCC (2.99); 24' AC; 12' AC
Shoulder: Width and Type	0; 8' AC; 0; 8' AC; 0; (0.41); 2'-4' AC; 0; 9' AC; 0; 8'-10' AC; 0; 8' AC; 8' PCC; 8' AC; 0
Median: Width and Type	(10' Paint); 10' Paint (0.18) (0.33); (10' Paint) (0.38); (0-8' Painted AC) (0.81); (0.89) (1.01); 6' Painted Median (1.19) (1.50); 24' Painted AC (2.19) (3.23); 12' Painted AC
Median Barriers:	
Shoulder: Width and Type	0; 0; 0; 0; 0; 0; 0
Pavement: Width and Type	12' AC; 12' AC; 12' AC; 12' AC; 12' AC; 12' AC; 12' AC
Shoulder: Width and Type	8' AC; 8'-10' AC; (4'-8' AC); 8' AC; 10' AC; 8'-10' AC; 8' AC
Number of Traffic Lanes	2-12' (0.41) 1-12' 2-12' (1.18) (1.68) 2-12' (2.12)
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	10' (0.09) (0.15) (0.38) (0.43) (0.67) (0.96) (1.03) (1.17) (1.42) (1.55) (1.84) (3.39)
(Right Side)	12' (0.10) (0.41) 12' Truck Climb Lane (0.81) (1.00) (1.32) (1.70) (1.86) (2.05) (2.02) (3.06)
Frontage Road: No. of Lanes, and Width (Right and Left)	None
Sidewalk: Width and Type (Right and Left)	4' Conc. (0.17)
Curb and/or Gutter: Type (Right and Left)	BP Curb (0.42) (0.57); Conc. Gutter (0.38) (0.74) (1.98) (Conc. Curb) AC Curb (2.72) 7' Conc Gutter (3.02) 7' Conc Gutter AC Curb
Protective Devices: Type, Location and Number	Metal Rails on Concrete Posts (0.46) (0.77) (1.24) (1.93) (2.58) (2.74) M/M (3.02) M/M (3.16)
Illumination: Type, Location and Number	(0.02) M.V. (0.17) (0.22) Inc. (0.37) (2.78) Inc. (3.01) (1.83) M.V. (2.18) (3.38) M.V.
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	(0.07) Flat (0.27) Mountainous (0.77) (1.87) Flat (2.18)
Speed: 1-Design, 2-Posted	25 MPH (2) (0.59) 35 MPH (2) (1.02) (1.19) 40 MPH (2) (1.76) 35 MPH (2) (2.05) 50 MPH (2) (3.34) 35 MPH(2)
Intersection Control Devices: Type, Location and Cycle Timing	Stop Sign (0.87) 4 Phase (1.09) Traffic Light (1.42) 4 Phase (1.94) (3.44) 2 Phase
Traffic Station	B73 0051 00000 (0.06); B73 0051 00043 (0.80); B73 0051 00087 (1.56); B73 0051 00194 (2.99)
HPMS Section	
AADT (Year 2005)	11,159 (0.43); 14,737 (0.87); 15,514 (1.94); 15,245
DOD Sections	
Census Tracts	
Functional Classification	Principal Arterial (14)
National Highway System (NHS)	NHS
Previous Projects: Project No., Date and Limits	(STP-058-(1(2), Realign, 1993); (50E-05-69, 1969, Resurf. & Truck Climb); 51A-01-88M, (R) 1988 (0.08) (0.79); County (0.09) FAP E-12-A, 1932; 50E-05-69, 1969 (0.87) (0.88); (FAP-E-12-A, 1932); (0.90); DP-F-051-1(3), 1975 (1.74); DP-F-051-1(3), 1974 (2.00); F-015-1(7), 1988 (2.78); F-051-1(8), 1988 (2.99)

SCALE: (In Miles) 4" = 1 mile

Date Released
April 04, D.B.
Revised

ROAD INVENTORY

KAUAI RTE 56
KUHIO HIGHWAY

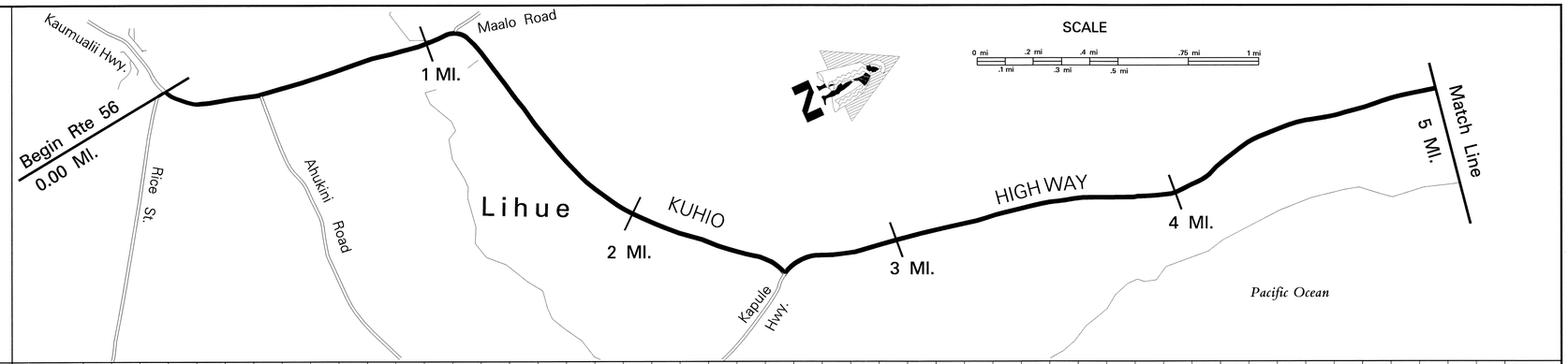
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

Total Designated Route Length:	28.11	MILES (a+b)
a. Existing Length:	28.11	MILES
b. Proposed Length:	None	MILES
Total Travel Way Length:	28.11	MILES (a+b, less c)
a. Existing Length:	28.11	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) 4" = 1 mile

Maintenance Control Sections : Length and Description: 0.00 Begin 56A on Kuhio Hwy at the Centerline Intersection with Kaumualii Hwy and Rice St. — 56A (9.86 MI.)

Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed: Tee Beam (STR) 1933 H15
Vertical Clearance: 157'
Horizontal Clearance: 1.22
Structure Over Road — Vertical Clearance: 27'
Horizontal Clearance:

Right of Way Width (min.–max.) if varies: 85' (0.14) 50' (0.32) 70' (0.99) 80' (1.06) 60' (1.29) 120' (1.38) 80' (1.43) 65' (1.72) 70' (1.80) 60' (4.18) 100'

Available Right of Way Width (Needs Study) (FEP=From Edge of Pav't): Commercial / Residential (2.24) Clear 1000' – Sugar Cane 20' FEP

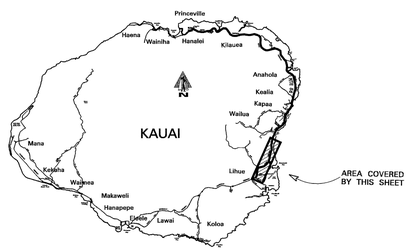
Right of Way Fence: Type – Right and Left (FEP=From Edge of Pav't): Chain Link 50' FEP (0.80–0.85)

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State (133+47.30) (223+82.59) HWY-K-03-00, Improvements, 2003) (4.88)

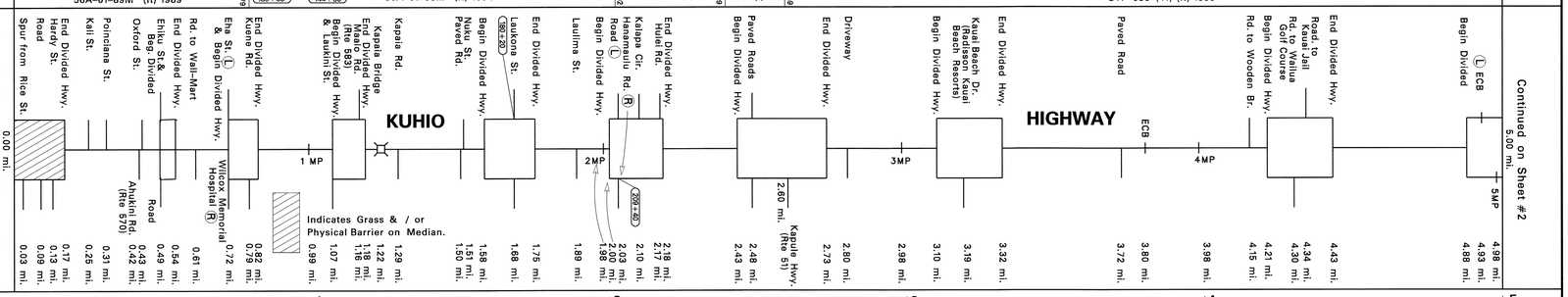
Project No., Type of Construction, and Year Constructed: (50E–01–98, 2001 (REALIGNMENT)) 0.12 56A–01–00M 2004 RESURFACE (0.80) (56A–01–04M, RESURF., 2005) (2.97) (1.01) 56A–01–04M, RESURF., 2005 (2.42) (2.39)

Project No., Type of Construction, and Year Constructed: 56A–01–89M (R) 1989 (0.79) (139+00) (144+50) 56A–01–93M (R) 1994 (2.02) 56A–01–90M (R) 1991 (2.39) F–051–1(7) 1988 (2.59) STP–056–(41) (R) 1999



Road Diagram

* MP=Milepost Signage



SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided — Shoulder: Width and Type: 2'–8' AC (42' AC) 0' 2' AC 2'–5' AC (21' AC) (23' AC) 4' AC 6'–10' AC 4' AC 6'–8' AC 40' AC 6' AC 8' AC 6' AC 4' AC
Pavement: Width and Type: 24' AC 40' AC 30' AC 30' AC 33' AC 20' AC 30' AC 11' AC 12' AC 24' AC 31' AC 24' AC 12' AC 24' AC 12' AC 24' AC 12' AC 36' AC 12' AC 36' AC 12' AC 36' AC 12' AC
Shoulder: Width and Type: (12' AC) 0' 0' 0' 0' 0' 0' 2'–4' AC 0' 7' AC 0' 4' AC 0' 4' AC 0' 6' AC 2' AC 6' AC 0' 6' AC 0'

Median: Width and Type: 4'–6' Raised Conc. (6' Raised AC) 0'–12' PT 0'–10' Painted AC 0'–10' Painted AC 0'–10' Painted AC 0'–10' Painted AC (8'–10' AC) 0'–12' Painted AC 0'–10' Painted AC 0'–10' Painted AC 0'–18' Painted AC
Shoulder: Width and Type: 0' 0' 0' 0' 0' 0' 0' 0'
Pavement: Width and Type: 24' AC 20' AC 23' AC 12' AC 11' AC 12' AC 12' AC 12' AC 24' AC 24' AC 24' AC
Shoulder: Width and Type: 0' 0' (0.51) 4' AC 0' (0.53) 0' (1–11') 4' AC 2'–4" AC 4' AC (7' AC) (7' AC) 4' AC 8'–10' AC 4' AC 4' AC 4'–6' AC 2' AC 6' AC 6' AC

Number of Traffic Lanes: (1–12') (2–11') 4–10' 2–11' 2–10' 0.13 2–10' 0.61 1–10' 1–11' 2–10' 1.05 2–11' 1–12' 1–10' 0.66 1–12' 1.07 2–12' (1–12') 1.29 1–11' 1.46 1.31 2–10' 1.51 2–11' 1.78 2–12' 2.10 .15 2–12' 1–12' 2–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): (12' (L) T.Ls) 20' 11' 0.54 12', 2–Way (L) T.L. 10' T.Ls. 1.07 1.16 Bus Lane 1.60 .21 10' T.Ls. .07 .08 .01 .14 2.19 .07 12' T.Ls 2.65 .69 .16 .27 3.19 4.30 .34 4.85 (12' Accel Lane)
(Right Side): 0.61 .56 .70 .72 1.29 1.51 .63 .86 .54 .32 .18 .25 .29 .31 .20 .26 10' T.Ls 10' TLs 10' Truck Climbing Lane (R) 1.69 .88 10' TLs .51 2.04 6' Conc. 2.16 .86
Frontage Road: No. of Lanes, and Width (Right and Left): None
Sidewalk: Width and Type (Right and Left): 4' Conc. 0.79 0.13 4' Conc. 1.02 1.66 4' Conc. 2.02 3.08
Curb and/or Gutter: Type (Right and Left): Conc. Curb, 2' Gutter 0.19 Conc. Curb 0.76 AC Curb .59 (Conc. Curb & Gutter) 1.26 1.67 Conc. Curb .07 2.89 (Type 2 Conc. Gutters) 4.69 (Conc. Curb)
Protective Devices: Type, Location and Number (M/M=Metal Rail on Metal Post, M/C=Metal Rail on Conc. Post): M/M 0.13 M/M .10 (On Right Median) 0.46 0.50 0.59 0.71 0.78 0.42 M/M 1.17 M/M 1.65 2.73 M/M 3.00 4.00 M/M 4.50
Illumination: Type, Location and Number: 0.13 Mercury Vapor 2.16 Mercury Vapor 4.27
Curves: Degree of Curvature (Right and Left):
Superelevation (Range):
Grades: % Grade, Positive or Negative:
Contra–Flow Lane: 2.60 Contra–Flow 5:53–8:30 AM Traffic Flow
Area and Development: Urban
Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Flat (1) 0.78 Mountainous (3) 1.51 Rolling (2) 2.94 Flat (1)
Speed: 1–Design, 2–Posted: 25 MPH (2) 1.30 35 MPH (1) 1.58 1.59 25 MPH (2) 2.26 2.29 35 MPH (2) 2.70 2.89 50 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing: 0.03 3 Phase 0.31 3 Phase 0.42 2 Phase 0.49 3 Phase 0.72 3 Phase 1.68 2 Phase 2.60
Traffic Station: B73 0056 00000 0.06 B73 0056 00042 B73 0056 00072 B73 0056 00116 B73 0056 00168 B73 0056 00260
HPMS Section: 32,769 0.42 20,594 0.72 18,686 1.16 18,845 1.68 18,440 2.60 31,084
AADT (Year 2005):
DOD Sections:
Functional Classification: Principal Arterial (14) Minor Arterial (16) Principal Arterial (14)
National Highway System (NHS): NHS 0.42 2.60 NHS
Previous Projects: Project No., Date and Limits:

(56A–02–72, 1976) (56A–01–75M (R)) 0.79 56A–01–75M (R) 1975 1.27 56A–02–67, 1967 1.53 1.67 HWY–K–01–82M (R) 1982 2.02 3.04 STP–056–1(40) 1998
0.10 56A–02–88 1988 0.41 0.53 0.60 0.79 (56A–01–85, (IMPRV.) 1987) (56A–02–72, 1976) 56A–01–90M (R) 1991
(56A–01–75M, 1975) 0.11 0.31 RSG–0570(2) 1981 0.71 0.77 HWY–K–01–81M (R) 1981 1.46 2.39 F–051–1(7) 1988 3.01 4.20 56A–01–80, 1981 (IMPRV.) 4.57
(56A–06–70, U II 1976) 56A–01–75M (R) 1975 1.27 (56A–02–72, 1976) 1.67 1.77 A–59–01–64, 1965 (R) 2.02 HWY–K–01–78M (R) 1978 2.60 2.81 HWY–K–01–78M (R) 1978 3.60 56A–01–72, 1976 3.81 HWY–K–01–78M, 1978 (R) 4.20 4.39 A–56–02–64 1968
(Lihue Plantation) 0.16 County 0.41 F–12(18) 1950 0.72 56A–02–67, Ph. II 1968 1.16 1.25 56A–02–67, U–1 1967 1.61 (A–56–01–64, (R) 1965) F–12(18) 1950 (LT–K–02–79 (SHLDR. & GUARDRAIL IMPRV.) 1980)
(F–12(18), 1950)

SCALE: (In Miles) 4" = 1 mile

Date Released	
Nov. 2001	
Revised	
Apr. 04	D.B.
July 04	D.B.
Jan. 06	D.B.

ROAD INVENTORY

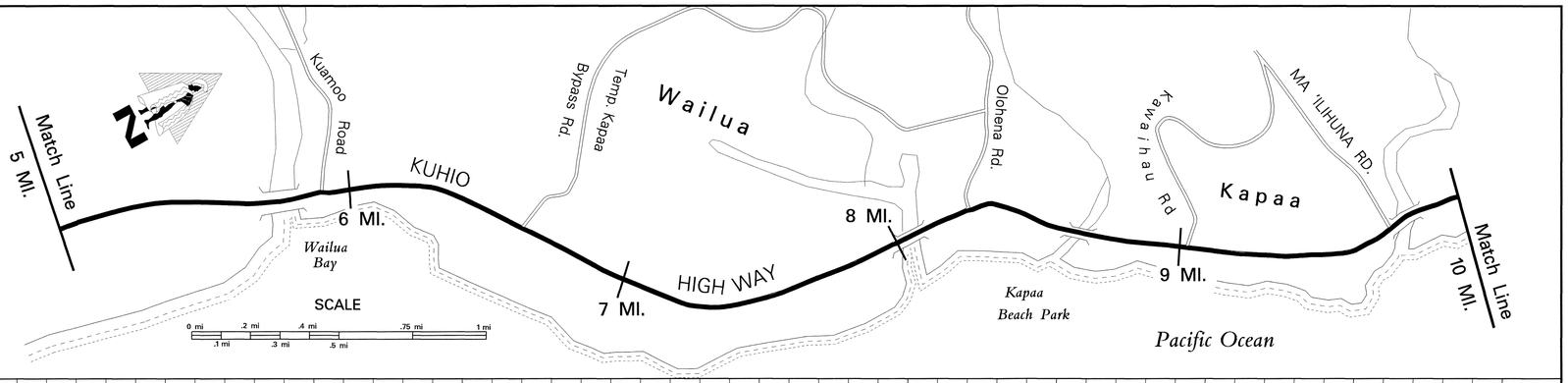
KAUAI RTE 56
KUHIO HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Designated Route Length:	28.11	MILES (a+b)
a. Existing Length:	28.11	MILES
b. Proposed Length:	None	MILES
Total Travel Way Length:	28.11	MILES (a+b, less c)
a. Existing Length:	28.11	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) 4" = 1 mile

Maintenance Control Sections : Length and Description

56A (9.86 MI.) — End 56A – Begin 56B on Kuhio Hwy, 100' North of Centerline Inersection with Mailihuna Rd. (9.86) — 56B (3.68 MI.)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed
- Tee Beam (RIV) 425' (5.77)
- Cont. Conc. Slab HS20 1963 56' (Widened in 1993) (7.32)
- Prestressed Conc. Plank HS–20–44 81' (Widened in 2001) (8.09)
- Tee Beam H20 (CNL) 1948 81' (8.64)
- Tee Beam (STR) 1953 152' (9.89)

Vertical Clearance

Horizontal Clearance: 28' | 46' | 56' | 30' | 28'

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 100' (5.14) 60' (5.89) 80' (6.13) (Sugar Cane – Clear 1000') 60' (8.16) 70' (8.35) 60' (8.83) Varies 80'–120' (8.81) 50' (9.03) (Varies 50'–90') (9.13) 50' (9.22) Varies 50'–90' (9.32) (70') (9.64) 60' (9.85) 50' (9.92) (9.96) 100'

Available Right of Way Width (Needs Study) (FEP=From Edge of Pav't): Clear 1000' – Sugar Cane 20' FEP (5.35) Residential (6.38) (6.52) Resort / Residential (9.03) Open Range (9.74) Residential

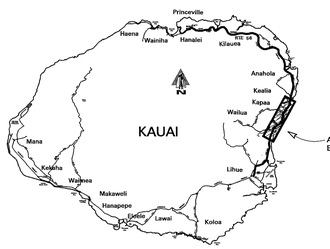
Right of Way Fence: Type – Right and Left: 2' FEP Chain Link (6.46) (8.52); 30' FEP W/W (9.26) (9.39)

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): (STP–050–1(24), GUARDRAIL & SHLDR. IMPRV., 2005) State

Project No., Type of Construction, and Year Constructed: HWY–K–03–90 Imprv. 2003 (5.24) 56A–01–92 (IMPRV.) 1993 (7.36) (BR–STP–056–1(35), 2001 BRIDGE WIDENING) (8.05) (8.23) (8.91) (9.03) (56A–01–97 ((L) TURN LANE) 1998) (9.81) 56B–01–01M 2004 (R)

Project No., Type of Construction, and Year Constructed: STP–056–1(41) (R) 1999 (5.77) (56A–01–91 (Imprv.)1993) (5.84) STP–056–1(37) (R) 1996 (8.37) 56A–08–90 1991 (8.69) 56A–03–90 (R) 1991 (8.89) STP–0700 (28) (IMPRV.) 1994



Road Diagram

* MP=Milepost Signage

Continued from Sheet #1 — 5.00 mi.

Leho Dr. | End Divided Hwy. | Leho Dr. Begin Divided Hwy. | Wailua Marina Road (Crossover Road.) | End Divided Hwy. Wailua Br. | Begin Divided Hwy. (Merge) | End Divided Hwy. Kuamoo Rd. (Rte. 560) | ECB 6MP | Haleilio Rd. Papaloa Rd. & Begin Divided Hwy. | Lanikai St. | End Divided Hwy. | Begin Divided Hwy. Culvert | Temp. Kapaa Bypass Rd. 6.60 mi. | Papaloa Rd. 6.63 mi. | End Divided Hwy. Coconut Plantation Driveway | Fernandes St. | Coconut Plantation | 7MP | Pouli Rd. | Uhelekawa Br. Rd. to Foodland | 7.27 mi. | Rd. to Apts. Opp. Shopping Ctr. | Hoi Rd. Road | Kamoa Rd | Kipuni Pl. Keaka Rd. | Makaha Rd. | Panihi Rd. | Kapaa Shopping | Kaioloku Rd. | 8MP | ECB | Wailuna Canal Akia Rd. | Ulu St. Ohia St. | Road to Resort | Inia St. | Kawaihau St. Kawaihau Divided Hwy. | Kukui St. End Divided Hwy. | Begin Divided Hwy. | Lehua St. | Mailihuna Br. End Divided Hwy. | Kou St. | Kuhio Hwy. Begin Divided Hwy. | 9MP | End Divided Hwy. Kawaihau Rd. | Hauaala Rd. | Road | Sewage Plant Rd. | Roads to Lookout | Begin Divided Hwy. Kapaa Bridge | Mailihuna Road | 10 MP

KUHIO HIGHWAY

5.03 mi. | 5.21 mi. | 5.54 mi. | 5.60 mi. | 5.74 mi. | 5.77 mi. | 5.86 mi. | 5.89 mi. | 5.96 mi. | 6.01 mi. | 6.04 mi. | 6.22 mi. | 6.28 mi. | 6.38 mi. | 6.47 mi. | 6.53 mi. | 6.54 mi. | 6.63 mi. | 6.72 mi. | 6.78 mi. | 7.03 mi. | 7.04 mi. | 7.11 mi. | 7.22 mi. | 7.32 mi. | 7.38 mi. | 7.44 mi. | 7.51 mi. | 7.55 mi. | 7.67 mi. | 7.71 mi. | 7.78 mi. | 7.88 mi. | 7.92 mi. | 7.97 mi. | 8.02 mi. | 8.05 mi. | 8.09 mi. | 8.18 mi. | 8.24 mi. | 8.34 mi. | 8.41 mi. | 8.42 mi. | 8.48 mi. | 8.54 mi. | 8.62 mi. | 8.64 mi. | 8.80 mi. | 8.90 mi. | 8.97 mi. (L) 8.98 mi. (R) | 9.03 mi. (L) 8.99 mi. (R) | 9.10 mi. | 9.34 mi. | 9.51 mi. | 9.54 mi. | 9.84 mi. | 9.89 mi. | 9.94 mi. | 9.97 mi.

Continued on Sheet #3 — 10.00 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided

Shoulder: Width and Type: 4'AC (5.11) 6'AC (5.71) 4'AC (5.81) 6' AC (6.21) 4'AC (7.21) 2' AC (8.08) 0 (12' AC) (8.98) 4'–6' AC (9.70) 10' AC (9.82) 4' AC (9.94) 8' AC

Pavement: Width and Type: 12'AC | 36' AC (6.49) | 36' AC | 11' AC | 24' AC | 11' AC | 33' AC | 11' AC | 33' AC | 11' AC | 33' AC | 22' AC (7.36) | 11' AC | 22' AC | 11' AC (8.69) | 24' AC | 12' AC | 24' AC | 12' AC

Shoulder: Width and Type: 0 | 6' AC | 0 | 4'AC | 0 | 4' AC (9.05) | 6' AC | 0 | 4' AC | 0 | 4' AC (7.33) | 6' AC (7.56) | 4' AC (8.07) | 0 | 0 | 0 | 0 (8.69) | 12' AC | 0 | 6' AC (9.35) | 4'–6' AC (9.61) | 6' AC | 0

Median: Width and Type: 0'–18' Painted AC (5.21) (5.54) | 0'–10' Painted AC (5.77) (5.86) | 0'–10' Painted AC (6.01) (6.22) | 0'–10' Painted AC (6.47) (6.54) | 0'–10' Painted AC (6.78) | (0'–11' Painted AC) (8.27) (8.42) (8.48) | 0'–10' Painted AC (8.62) (8.90) | 0'–11' Painted AC (9.03) (9.94) 10' PAINTED AC

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

Pavement: Width and Type: 24'AC | 24' AC (5.60) | 12' AC (5.68) | 11' AC (5.86) | (11' AC) (5.89) | 22' AC | 22' AC | 22' AC | 11' AC | 11' AC (8.49) | 12' AC | 12' AC

Shoulder: Width and Type: 6'AC | 6' AC (5.60) | 4' AC (5.68) | 4' AC | (6' AC) (6.23) | 4' AC | 4' AC | 0 | 0 | 0 | 12' AC (8.90) | (6' AC) | 6' AC

Number of Traffic Lanes: 1 – 12' | 2 – 12' | 1 – 11' (5.68) | 2 – 11' | 1 – 11' | 2 – 11' | 1 – 11' (7.36) | 2 – 11' | 1–11' (8.49) | 1–12' | 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 12' TLs (5.11) (5.56) (5.60) (5.74) (6.22) (6.24) (6.38) (6.63) (6.72) (7.11) (7.45) (7.78) (7.88) (8.21) (8.54) (8.97) (9.07) (9.34) (9.85) 1–10' ACC. LN

(Right Side): 2-Way (L) TL (7.18) | None | 2-Way (L) TL (8.21) | 10' Parking | 10' (L)TLs (8.41) | 10' Parking (8.54) (9.62)

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

Sidewalk: Width and Type (Right and Left): 8' Conc. (7.18) 8.98 (9.76) 6' CONC.

Curb and/or Gutter: Type (Right and Left): (Conc. Curb) (5.09) Conc. Curb (5.51) (5.57) (5.88) (6.24) (6.40) (7.23) Conc. Curb (8.09) 6' Conc. (8.68) Conc. Curb (9.03) (9.86) 2' CONC.CURB & GUTTER

Protective Devices: Type, Location and Number (M/M=Metal Rail on Metal Post): M/M (5.44) (6.12) (8.09) (8.70) (9.34) M/M (9.96)

Illumination: Type, Location and Number: Mercury Vapor (8.98)

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Contra–Flow Lane: Contra-Flow 5:53-8:30 AM — Traffic Flow (6.40)

Area and Development: Urban (9.96) (Rural)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Flat (1) | Rolling (2) (8.89) (9.81)

Speed: 1–Design, 2–Posted: 50 MPH (2) | 35 MPH (2) (5.52) (5.61) (5.82) | 25 MPH (2) (6.39) (6.41) | 35 MPH (2) (8.09) (8.15) | 25 MPH (2) (9.04) | 35 MPH (2) (9.22) (9.23) | 50 MPH (2) | 40 MPH (1) (9.87)

Intersection Control Devices: Type, Location and Cycle Timing: 2 Phase (5.86) | 3 Phase (6.38) | 3 Phase (7.27) | 3 Phase (7.36) | 3 Phase (7.92) | 3 Phase (8.41)

Traffic Station: B73 0056 00260 | B73 0056 00566 | B73 0056 00596 | B73 0056 00660 | B73 0056 00732 | B73 0056 00818 | B73 0056 00864 | B73 0056 00899 (B73 0056 00995) (9.96)

HPMS Section

AADT (Year 2005): 31,084 (5.86) | 32,604 (5.86) | 32,654 (6.60) | 32,654 (7.32) | 30,140 (8.18) | 30,140 (8.84) | 23,972 (8.89) | 15,885 (9.96) (15,922)

DOD Sections

Functional Classification: Principal Arterial (14) (Minor Arterial (6)) (9.96)

National Highway System (NHS): NHS

Previous Projects: Project No., Date and Limits

STP–056–1(40) 1998 (5.77)

56A–01–90M (R) 1991 (5.54) | 56A–01–91 (IMPRV.) 1993 (6.34) | 56A–08–90 (IMPRV.) 1991 (7.32) (8.65) | 56B–01–99M 1989 (R) (9.89)

(56C–01–87M 1987) | LT–K–02–79 (SHLDR. & GUARDRAIL IMPRV.) 1980 (6.01) (6.18) (8.01) (8.09) | 56A–03–90M (R) 1991 | (HWY–K–01–77M 1977) (9.92)

A–56–02–64 1968 | 56A–01–90M (R) 1991 (5.54) (5.84) | 56A–02–72 1976 | A56–02–65 (R) 1967 | 56A–02–72 1976 (6.18) | HWY–K–01–78M (R) 1978 | A56–02–65 (R) 1967 (7.51) | 56A–01–74 1976 (8.98) | (56A–01–67 (R) 1967) | HWY–K–01–77M (R) 1977 (9.76) | 56A–01–72 1976 (9.92) | (56A–01–67 (R) 1967)

F–12(18) 1950 (5.78) | F–12(18) 1950 (6.86) | (F–12(15) 1948) | (F–12(14) 1945) (8.01) (8.12) | County (8.63) | (F–12(14) 1945) (8.65) | County (9.00) | F–12(18) 1950 (9.72) | F–12(20) 1951

SCALE: (In Miles) 4" = 1 mile

Date Released
Nov. 2001

Revised	
Apr. 04	D.B.
Jan. 06	D.B.

ROAD INVENTORY

KAUAI RTE 56
KUHIO HIGHWAY

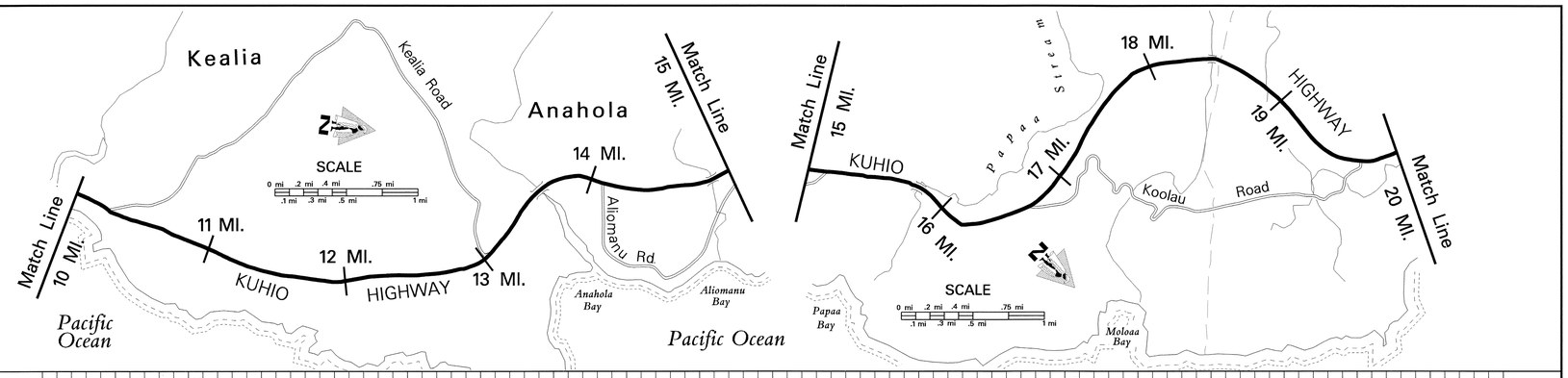
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

Total Designated Route Length:	28.11	MILES (a+b)
a. Existing Length:	28.11	MILES
b. Proposed Length:	None	MILES
Total Travel Way Length:	28.11	MILES (a+b, less c)
a. Existing Length:	28.11	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

56 B (3.68 Mi.) | End 56B and Begin 56C on Kuhio Hwy. at the Centerline Intersection with Anahola Rd. | 56 C (9.82 Mi.)

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

Structure	Length	Type	Capacity	Year Constructed
13.63	214'	RC Box Girder (STR)		1960
14.93	20'	RC RGD FM FL SL (STR)		1960
16.86	68'	RC Deck Girder (GTR)		1957
18.47	240'	Prestressed Conc. Girder (STR)		1965

Structure Carrying Road — Vertical Clearance: 28' | 28' | 40' | 28'

Structure Carrying Road — Horizontal Clearance: (100') (80')

Structure Over Road — Vertical Clearance

Structure Over Road — Horizontal Clearance

Right of Way Width (min.–max.) if varies: Varies 80' to 160' | Varies 80' to 260'.

Available Right of Way Width (Needs Study): Residential | Clear 1000' – Sugar Cane | Residential | Clear 1000' – Pineapple / Sugar Cane | Bushes and Trees

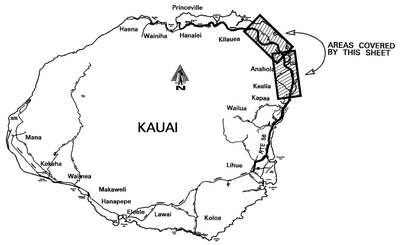
Right of Way Fence: Type – Right and Left (FEP = From Edge of Pav't.): (25' FEP) (15' FEP) (20' FEP) None; Wire on Wood 35' FEP / Wire on Wood 35' FEP

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: 56B–01–01M 2004 (R) | 56 BC–01–99M, RESURF., 2000

Project No., Type of Construction, and Year Constructed: STP–0700(28) (SHLDR. & G.R. IMPRV.) 1994 | HES–056–1(32) (SHLDR. & G.R. IMPRV.) 1990 | FR–0700(22) (R) 1983 | STP–056–1(38) (R) 1996 | 56C–01–88M (R) 1988 | ER 5(1) 1957 | 50D–56AB–01–70 (SHLDR) 1970 | (56C–01–87M (R) 1987) | STP–056–1(42) (R) 1999



Road Diagram

* MP = Milepost Signage

Continued from Sheet #2 — KUHIO HIGHWAY — Continued on Sheet # 4

Key points (mile): Tractor Crossing & Kealia Rd End Divided (10.00); Rd to Beach Park (10.25); Kamole Road (10.69); Cane Haul Rd. (10.71); Proposed Rd. (10.87); Cane Haul Rd. (11.00); Cane Haul Rd. (11.20); End Divided Road (11.28); Begin Divided Road (11.39); End Divided Road (11.49); Cane Haul Rd. (11.50); Begin Divided (11.61); End Divided Haul Rd. (11.75); Begin Divided (11.81); End Divided Kapaa Public Refuse Dump (11.90); Cane Haul Rd. (12.31); End Divided Begin Divided Eane Road (12.58); Kalalea Road (12.84); Kukuihale Road (12.78); 13 MP (13.11); Kealia Rd. (13.50); Anahola Br. (13.83); Anahola Rd. (13.55); Paved Road (13.77); Aliomanu Rd. (13.94); Pu'u Hale Loop (13.93); Kikoo Loop (13.84); 14 MP (14.06); End Divided Begin Divided Hokuiele Rd. (14.32); 14.45 mi. (14.48); Unimproved Road (14.71); Aliomanu Br. (14.95); 15 MP (15.11); Aliomanu Rd. (14.93); Unimproved Road Papaa Rd. (15.54); Papaa Br. (15.85); 16 MP (15.97); Koolau Rd. (16.62); Ent. to Meadow Gold Dairies (16.91); 17 MP (16.96); Moloaa Br. (17.96); 18 MP (18.35); End Divided Kapuna Rd. Begin Divided (18.95); 19 MP (19.05); Koolau Rd. (19.87); 20 MP (19.96)

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided — Shoulder: Width and Type: 8' AC | 6' AC | 11' AC | 8' AC | 6' AC | 10' AC | 6' AC | 4' AC | 6' AC | 11' AC | 6' AC | 4' AC | 6' AC | 8' AC | 4'–12' AC | 10' AC | 4' AC

Undivided — Pavement: Width and Type: 12' AC | 24' AC | 11' AC | 22' AC | 11' AC | 22' AC | 11' AC | 24' AC | 12' AC | 24' AC | 12' AC | 24' AC | 22' AC | 11' AC | 22' AC

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

Divided — Median: Width and Type: 10' Paint AC | 0'–10' Painted AC | 0'–12' Painted AC | (0'–10' Painted AC) | 12' AC | (10' AC) | (0'–11' Painted AC) | (0'–12' Painted AC) | 0'–11' Painted AC

Divided — Shoulder: Width and Type: 0 | 0 | 0 | 0 | 0 | 0

Divided — Pavement: Width and Type: 12' AC | 11' AC | 11' AC | 11' AC | 12' AC | 12' AC | 11' AC

Divided — Shoulder: Width and Type: 6' AC | 6' AC | 6' AC | 6' AC | (10' AC) | (6' AC) | 4' AC

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

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 1–10' accel. ln | 1–10'

(Right Side): 11' T.Ls. | 11' T.Ls. | 11' T.L.

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

Sidewalk: Width and Type (Right and Left): 6' conc | 6' conc | None

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

Protective Devices: Type, Location and Number (M/M= Metal Rail on Metal Post, M/C= Meta Raill on Concrete Post. W/C= Wood Rail on Conc. Post.): M/M | M/M | M/M | M/M | M/M | M/M | M/M | M/M

Illumination: Type, Location and Number: 1-1 | M.V.

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Contra Flow Lane

Area and Development: Rural

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

Speed: 1–Design, 2–Posted: 40 mph (1) | 50 MPH (2) | (45 MPH (2)) | 35 MPH (2) | 50 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing: None

Traffic Station: B73 0056 00955 | B73 0056 01278 | B73 0056 01440 | B73 0056 01554

HPMS Section

AADT (Year 2005): 15,922 | 14,247 | 12,249 | 10,818

DOD Sections

Functional Classification: Minor Arterial (6)

National Highway System (NHS): None

Previous Projects: Project No., Date and Limits

(HWY–K–01–77M (R) 1977) | DF–056–1(6) 1960 | 56C–01–88M (R) 1988 | 56C–01–87M (R) 1987

56B–01–89M (R) 1989 | STP–056–1(34) Shldr. & Guardrails 1995 | (LT–K–03–80M (R) 1980) | 56C–01–87M (R) 1987

(HWY–K–01–77M 1977) | 56B–01–70(R) 1970 | FR–0700(22) (R) 1983 | 50D–56AB–01–70 (SHLDRS.) 1970

(F–12(20) 1951) | F–31(1) 1953 | F–056–1(7) 1958 | DF–056–1(6) 1958 | ER–5(1) 1956 | S–0560(2) UNIT 2 1963

SCALE: (In Miles) 2" = 1 mile

Date Released	
Nov. 2001	
Revised	
Aug 04	D.B.

ROAD INVENTORY

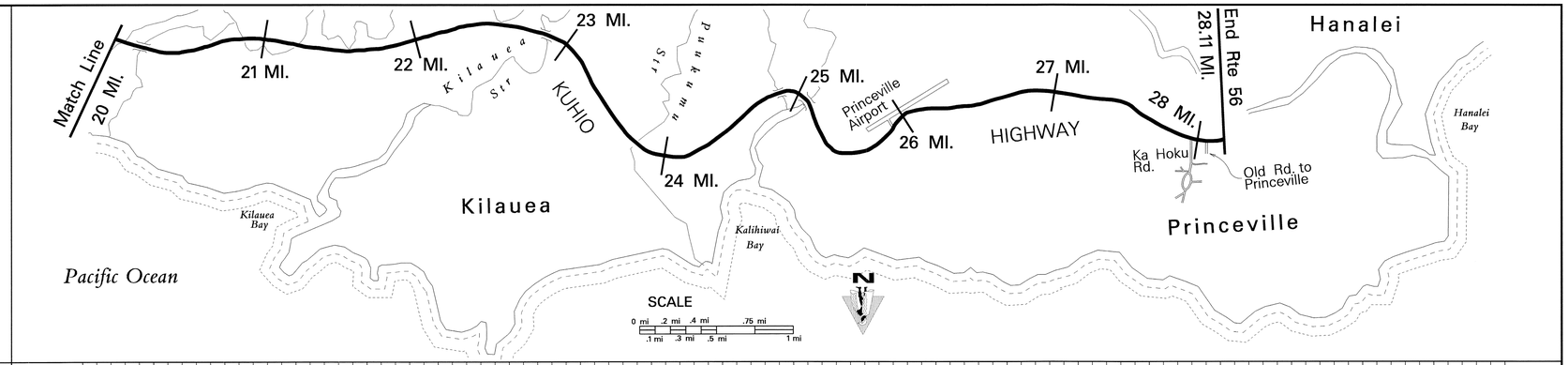
KAUAI RTE 56
KUHIO HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Designated Route Length:	28.11	MILES (a+b)
a. Existing Length:	28.11	MILES
b. Proposed Length:	None	MILES
Total Travel Way Length:	28.11	MILES (a+b, less c)
a. Existing Length:	28.11	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: 56C (9.82 MI.); End 56C – Begin 56D on Kuhio Hwy. at the Centerline Intersection with Kolo Rd. (23.36); 56D (4.75 MI.); End 56D Same as End Route

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed: PrSt. Conc. Gdr. 1967 HS20 – 39'; Prestressed Beam 1973 HS20 – 258'; RC Slab Br. 1963 (CHN) – 50'; Prestressed Conc. 1963 (RW) – 798'

Vertical Clearance: 20.29; 22.92; 24.90; 25.03

Horizontal Clearance: 36'; 40'; 34'; 28'

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: (80'–260') 60'–500'; 100'–200'; (200') 100'; (Varies 110'–160') 100'; (Varies 175'–210') Varies 160'–295'; (100') (Varies 300'–360') 130'; (Varies 160'–185') 40'

Available Right of Way Width (Bushes & Trees): Clear 1000' Sugar Cane; Residential; Trees; Grass & Small Trees

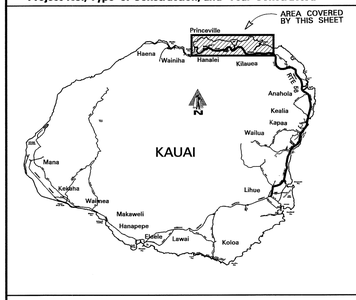
Right of Way Fence: Type – Right and Left (FEP = From Edge of Pav't): Wire on Wood 35' FEP; Wire on Wood 35' FEP; Wire on Wood 10'–20' FEP; Wire on Wood 10'–20' FEP

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

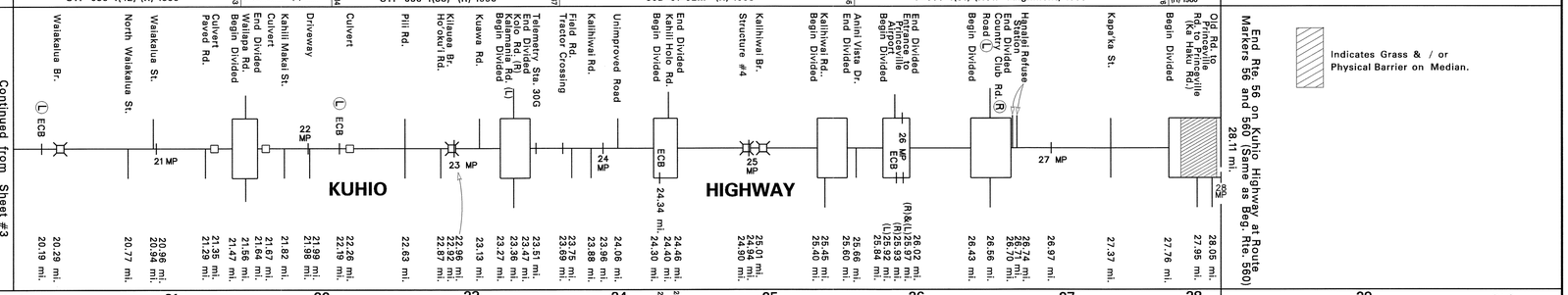
Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State

Project No., Type of Construction, and Year Constructed: (HWY-K-02-98, IMPRV. 2000); STP-056-1(36) 1998

Project No., Type of Construction, and Year Constructed: STP-056-1(42) (R) 1999; 56C-01-90M (R) 1990; STP-056-1(38) (R) 1996; 50D-01-92M (R) 1993; F-056-1(31) (New Alignment) 1993; LT-K-03-80M (R) 1980



Road Diagram
* MP = Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type: 4' AC; 6' AC; 8' AC; 4' AC; 8' AC; 10' AC; 4' AC; 8' AC

Pavement: Width and Type: 22' AC; 11' AC; 22' AC; 24' AC; 12' AC; 24' AC; 22' AC; 11' AC; 22' AC; 12' AC; 20' AC; 10' AC; 20' AC; 12' AC; 20' AC; 10' AC

Shoulder: Width and Type: 4' AC; 6'–12' AC; 0; 6'–12' AC; 16' AC; 6'–12' AC; 0; 8' AC; 4'–8' AC; 0; 4'–8' AC; 0; 6' AC; 0; 6' AC; 0; 6' AC; 0; 2' AC; 0

Divided Highway – Median

Median: Width and Type: 0'–10' Painted AC; 0'–12' Painted AC; 0'–12' Painted AC; 0'–20' Painted AC; 0'–12' Painted AC; 0'–12' Painted AC; (6'–12' Raised Grass) (0'–6' Painted AC); (0'–6' Painted AC)

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

Pavement: Width and Type: 11' AC; 12' AC; 11' AC; 12' AC; 10' AC; 12' AC; 10' AC; 12' AC; 10' AC

Shoulder: Width and Type: 6'–12' AC; 20' AC; 8' AC; 4'–8' AC; 8' AC; 6' AC; 6' AC; 6' AC

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

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 10' T.Ls; 10' T.Ls; 12' T.Ls; 10' T.Ls; 11' T.Ls

(Right Side): 12' T.Ls; 12' T.Ls

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

Sidewalk: Width and Type (Right and Left): 3' AC; 3' AC

Curb and/or Gutter: Type (Right and Left): All 2' Conc. Gutters.

Protective Devices: Type, Location and Number (M/M = Metal Rails on Metal Posts): M/M; M/M; M/M; M/M; M/M; M/M; M/M; M/M; M/M; M/M

Illumination: Type, Location and Number: None

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Contra Flow Lane

Area and Development: Rural

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

Speed: 1–Design, 2–Posted: 50 MPH (2); 40 MPH (2); 50 MPH (2); (45 MPH (2)); 35 MPH (2); 40 MPH (2); 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing: None

Traffic Station: B73 0056 01554; B73 0056 02077; B73 0056 02336; B73 0056 02592

HPMS Section

AADT (Year 2005): 10,818; 12,197; 13,358; 12,920

DOD Sections

Functional Classification: Minor Arterial (6)

National Highway System (NHS): None

Previous Projects: Project No., Date and Limits: 56C-01-90M (R) 1990; (56C-01-87M (R) 1987); (50D-56AB-01-70 1970); 50D-01-92M (R) 1993; (S-0560(2) U-2 1963); F-056-1(8) 1967; DP-RF-056-1(10) (New Alignment) 1973; HWY-K-01-77M (R) 1977; (ER-7(1) U-2 1963); HWY-K-01-77M (R) 1977; COUNTY; LT-K-03-80M 1980 (R)

SCALE: (In Miles) 2" = 1 mile

Date Released
Nov. 2001
Revised
Aug 04 D.B.
Sept. 06 D.B.

ROAD INVENTORY
KAUAI RTE 58
NAWILIWILI ROAD

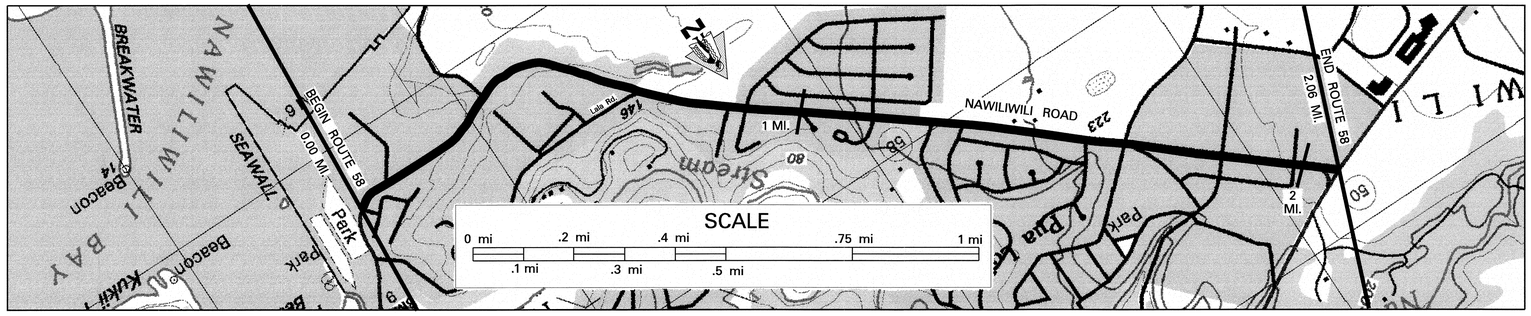
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

Total Route Length: 2.06 miles
- a. Survey Length: 2.06 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

Beg. 58A on Nawiliwili Rd. at the centerline intersection with Wapa Rd. (Rte 51) — 58 A (2.06 mi.) — End 58 A 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' (0.14) 100' (0.46) 120' (0.20) 140' (0.26) 150' (0.32) 110' (0.42) 90' (0.51) 110' (0.55) 100' (0.64) 80' (1.57) 120'

Available Right of Way Width (Needs Study): Residential / Commercial

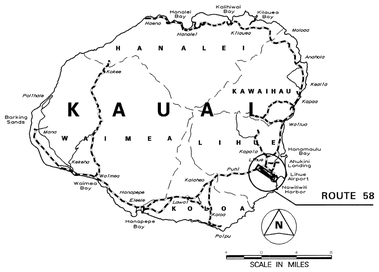
Right of Way Fence: Type – Right and Left: 6' Chainlink (1.71–1.84) 6' Chainlink (1.84–1.98) 6' Chainlink (1.71–1.98)

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-058-1(3), Resurface, 2002

Project No., Type of Construction, and Year Constructed: NH-051-1(10) Resurf., 2002 (0.10); STP-058-1(2), Realignment, 1993 (0.08); 58A-01-88M, Resurface, 1988 (1.61); F-058-1(1), 1991 (1.99)



Road Diagram

* MP = Milepost Signage

BEGIN RTE 58 ON NAWILIWILI ROAD AT THE CENTERLINE INTERSECTION OF WAAPA ROAD (RTE 51) (0.00 mi.)

Wilcox Rd. & End Div. (0.08 mi.) — Niumalu Rd. (0.37 mi., 0.34 mi.) — End Measured Mile (0.58 mi.) — Lala Rd. (0.68 mi.) — Eleki Pl. (0.85 mi.) — Apapane St. (0.90 mi.) — Begin Divided (0.98 mi., 1.01 mi.) — Nokekula St. (L) / Nokekula Cir. (R) (1.15 mi.) — End Divided (1.22 mi.) — Aheahe St. (1.32 mi.) — Begin Divided (1.42 mi.) — Kanani St. (R) (1.57 mi.) — Halekaha Rd. (L) (1.64 mi.) — Pikake St. (1.84 mi.) — Rd. to Shopping Cntr. (L) / Haleko Rd. (R) — Rd. to Shopping Cntr. (L) / Kukui Grove St. (R) (1.98 mi., 1.99 mi.) — (2.06 mi.)

NAWILIWILI ROAD — 0 MP — 1 MP — 1.56 mi. — 1.97 MP — 2.06 MP — 2.06 mi.

END RTE 58 ON NAWILIWILI ROAD AT THE SOUTH E.P. OF KAUMUALII HIGHWAY (RTE 50)

Indicates Grass & / or Physical Barrier on Median.

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided
- Shoulder: Width and Type: 8' AC; 10' Dirt (0.15); 4' AC; 10' AC (1.98); 0 (1.97)
- Pavement: Width and Type: 12' AC; 24' AC; 12' AC; 24' AC; 12' AC (1.84); 24' AC
- Shoulder: Width and Type: 0; 10' Dirt (0.15); 4'–22' AC; 0; 4' AC; 0

Divided Highway – Median
- Width and Type: 10' Painted AC (0.08); 12' Painted AC (1.01, 1.22); 0'–20' Paint (1.42); 0'–20' Raised Grass (1.56)
- Shoulder: Width and Type: 0; 0; 0
- Pavement: Width and Type: 12' AC; 12' AC; 24' AC; 12' AC
- Shoulder: Width and Type: 8' AC; 4' AC; 10' AC (1.84); 0 (1.97)

Number of Traffic Lanes: 2–12' (0.08, 0.16); 1–12' (1.57); 2–12' (1.84); 1–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): All 12' T.Ls.; 10' (L) T.L. (0.06, 0.08)

(Right Side): All 12' T.Ls. (0.32, 1.01, 1.06, 1.18, 1.20, 1.27, 1.72, 1.76, 1.84, 1.92, 1.98, 2.04)

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

Sidewalk: Width and Type (Right and Left): 4' Conc. (1.39, 1.69, 1.81, 1.97); Concrete Curb (1.98)

Curb and/or Gutter: Type (Right and Left): 6' Concrete Gutter (0.29, 0.69); Concrete Curb (1.57, 1.98)

Protective Devices: Type, Location and Number: All Guardrails M/M (0.11, 0.13, 0.29, 0.34, 0.51, 0.69)

Illumination: Type, Location and Number: None; 61 HPS (1.45, 1.77, 1.84, 1.98)

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 (0.09); Rolling (0.16, 0.71); Flat (1.82, 2.04)

Speed: 1–Design, 2–Posted: 25 MPH (2) (Not Posted); 35 MPH (0.42); 40 MPH (2); 35 MPH (2) (1.77); 35 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing: 3 Phase (1.64); 3 Phase (1.84); 3 Phase (2.06)

Traffic Station: (B73 0058 00000); B73 0058 00008; B73 0058 00157

HPMS Section

AADT (Year 2005): 12,242 (0.08); 8,524; 12,093 (1.57)

DOD Sections

Census Tracts

Functional Classification: Principal Arterial (14)

National Highway System (NHS): NHS

Previous Projects: Project No., Date and Limits

0.11 HWY-K-01-87 Improvements. 1987 — 0.68 — 58-01-71 (Reconstruction) 1971 — 2.12

Sta. 1+32 — S-254(1) 1954, 55 — Sta. 112+52.87

SCALE: (In Miles) 4" = 1 mile

Date Released	
Aug. 2004, D.B.	
Revised	
Jan. 06	D.B.

ROAD INVENTORY

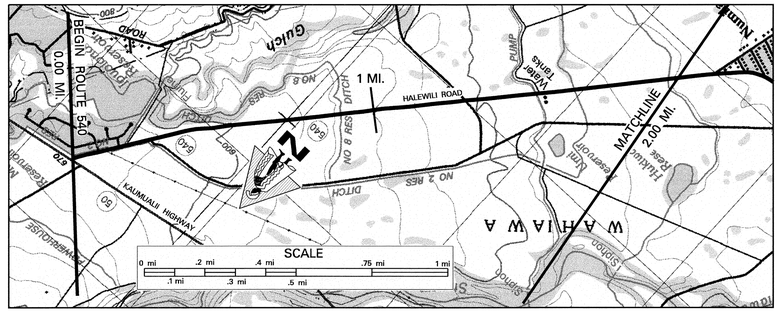
KAUAI RTE 540
HALEWILI ROAD

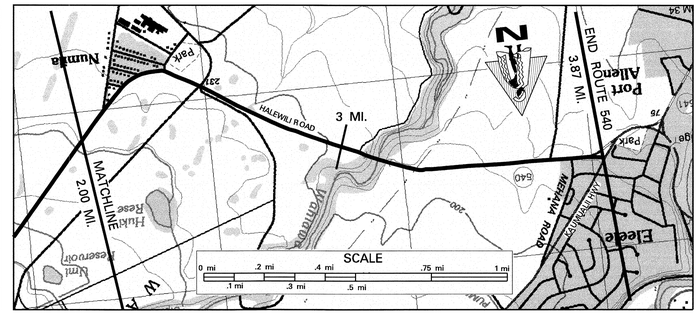
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Route Length: 3.87 miles
- a. Survey Length: 3.87 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: * 0.00 miles

*



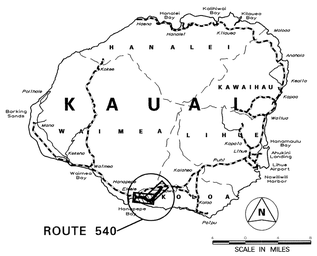


SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

0.01 Begin 540A on Halewili Rd. 30' S.W. of centerline of Kaumualii Hwy. (Rte 50) — 540 A (3.90 mi.) — End 540A on Halewili Rd. 220' N.E. (Measured along the S.W. Spur) of the Centerline Intersection w/ Kaumualii Hwy 3.95

Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed	Prestressed Beam 1950 (1974) H-20
Vertical Clearance	408'
Horizontal Clearance	48'
Structure Over Road — Vertical Clearance	
Horizontal Clearance	
Right of Way Width (min.–max.) if varies	60' (1.02–1.08) 60' (2.47–2.43) 80' (3.86–3.89) 65'
Available Right of Way Width (Needs Study)	Clear 1000' – Sugar Cane 20' from E.P. (2.14) Residential (2.43) Clear 1000' – Sugar Cane 20' from E.P.
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 (200+68) (12+00)
Project No., Type of Construction, and Year Constructed	STP-0540(2), 2006, GUARDRAILS AND SHOULDER IMPROVEMENTS (1.13–3.77)
Project No., Type of Construction, and Year Constructed	(STP-050-1(9) (Realignment), 1996) STP-0700-(35) SHLDR & GRD. RL. IMPROV. 1997 (0.06–1.03) 540A-01-02M 2004 RESURFACE



Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* MP = Milepost Signage

Begin Rte 540 on Halewili Rd. at the Southwest E.P. of Kaumualii Hwy (Rte 50). 0.00 mi.

Culvert Kau Wai St. 0.04 mi. — Haku Hale St. 0.08 mi. — End Divided 0.16 mi. — Coffee Haul Rd. 0.99 mi. — Water Tank Culvert 1.29 mi. — 1.55 mi. — McBryde Mill Rd. 1.54 mi. — Cane Haul Crossing (Kauai Coffee) 1.99 mi. — Rd. to Park 2.12 mi. — Wahiawa Br. Quarry Dr. 2.38 mi. — Spur Begin Divided 2.51 mi. — Huehu Rd. 2.93 mi. — 3.08 mi. — 3.16 mi. — 3.78 mi. — 3.86 mi. — 3.84 mi. — 3.95 MP

HALEWILI ROAD — 1 MP — 2 MP — 3 MP

End Route 540 on Halewili Road at the East E.P. of Kaumualii Hwy (RTE 50). 3.87 mi.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided — Shoulder: Width and Type	6' AC (0–3.07) 12' AC (3.07–3.22) 6' AC (3.22–3.95)
Pavement: Width and Type	(12' AC) 24' AC (0–2.97) (12' AC)
Shoulder: Width and Type	0 6' AC (0–2.86) 12' AC (2.86–2.97) 6' AC (2.97–3.07) 12' AC (3.07–3.22) 6' AC (3.22–3.95) 0
Divided — Median: Width and Type	(0'–30' Grass (Flushed) w/ AC Fringe (No Shoulder) & AC Curb) (0.04–3.84)
Median Barriers:	(0'–12' Painted AC)
Shoulder: Width and Type	0 (0.04–3.84) 0
Pavement: Width and Type	(12' AC) (14' AC)
Shoulder: Width and Type	(20' Grass) (10' Grass) (3.84–3.95)
Number of Traffic Lanes	2–12' (1–12') (1–14')
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	
(Right Side)	
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	(2.86–2.97)
Curb and/or Gutter: Type (Right and Left)	(0.18–0.21) (0.40–0.60) (0.88–0.91) (1.52–1.57) (2.19–2.35) (3.07–3.28) (3.53–3.77)
Protective Devices: Type, Location and Number — Metal Rails on Metal Posts	(0.13–0.17) (0.83–1.02) (1.48–1.54) (2.15–2.19) (2.26–2.31) (3.06–3.23) (3.68)
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) 35 MPH (2) (0.03–0.21) 35 MPH (2) 50 MPH (2) (0.21–2.05) 35 MPH (2) (2.05–2.48) 50 MPH (2) (2.48–3.52) 45 MPH (1) (3.52–3.65) 35 MPH (1) (3.65–3.78) (25 MPH (2))
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Station	B73 0540 00000 (1.99)
HPMS Section	2,420
AADT (Year 2005)	
DOD Sections	
Census Tracts	
Functional Classification	Major Collector (7)
National Highway System (NHS)	None
Previous Projects: Project No., Date and Limits	0.06 STP-0700-(35) (Shoulder and Guardrail Improvements), 1997
	0.07 (STP-050-1(9) (Realignment), 1996) HWY-K-01-91M (Resurface), 1991 540A-01-72 (Resurface), 1972
	3.11–3.18 HWY-K-01-91M (Resurface), 1991
	3.09–3.25 540A-01-72 (Resurface), 1972
	FAS 5A(1), 1939 1.50 S-5(2), 1950 (RS-540(1), 1974) 3.95
	Sta. 127+84.80 Sta. -1+55.07 Sta. 79+44.07 Sta. 0+55.15 (Spur – Port Allen Leg)

SCALE: (In Miles) 4" = 1 mile

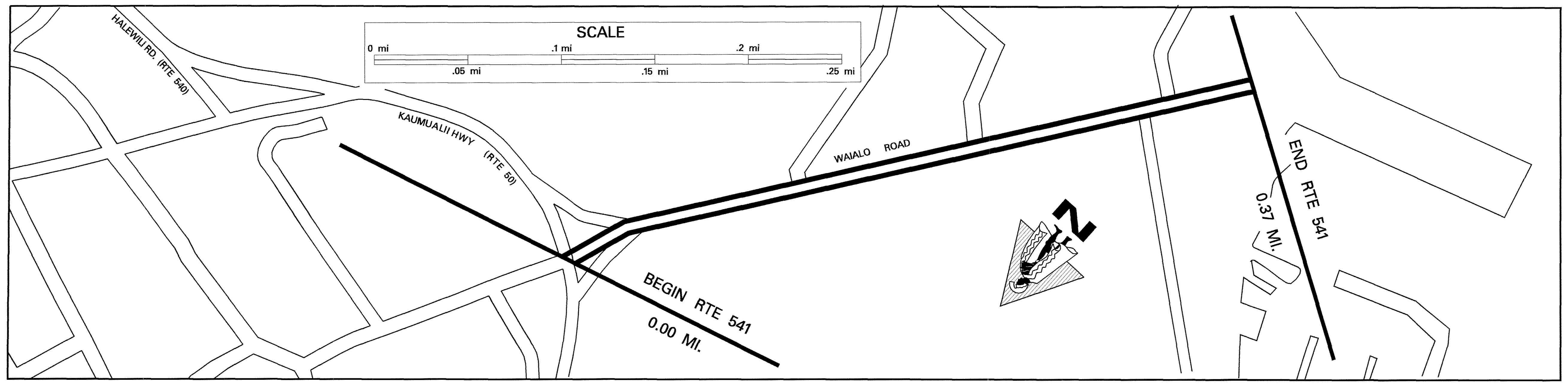
Date Released	
Aug. 2004, DB	
Revised	
Sept. 06	D.B.

ROAD INVENTORY
KAUAI RTE 541
WAIALO ROAD

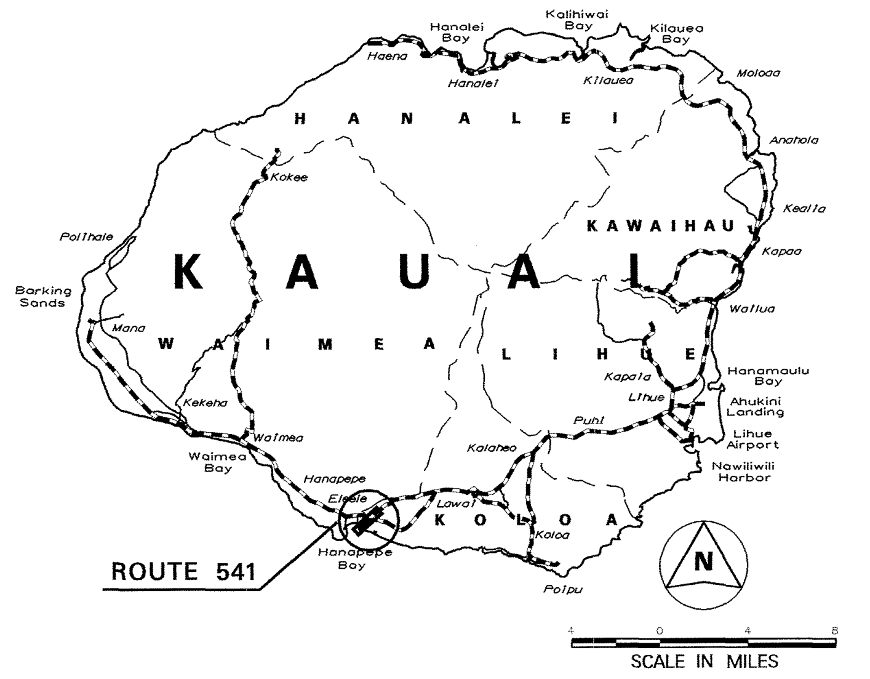
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Route Length: 0.37 **miles**
a. Survey Length: 0.37 **miles**
b. Proposed Length: 0.00 **miles**
c. Other Length: * 0.00 **miles**
*

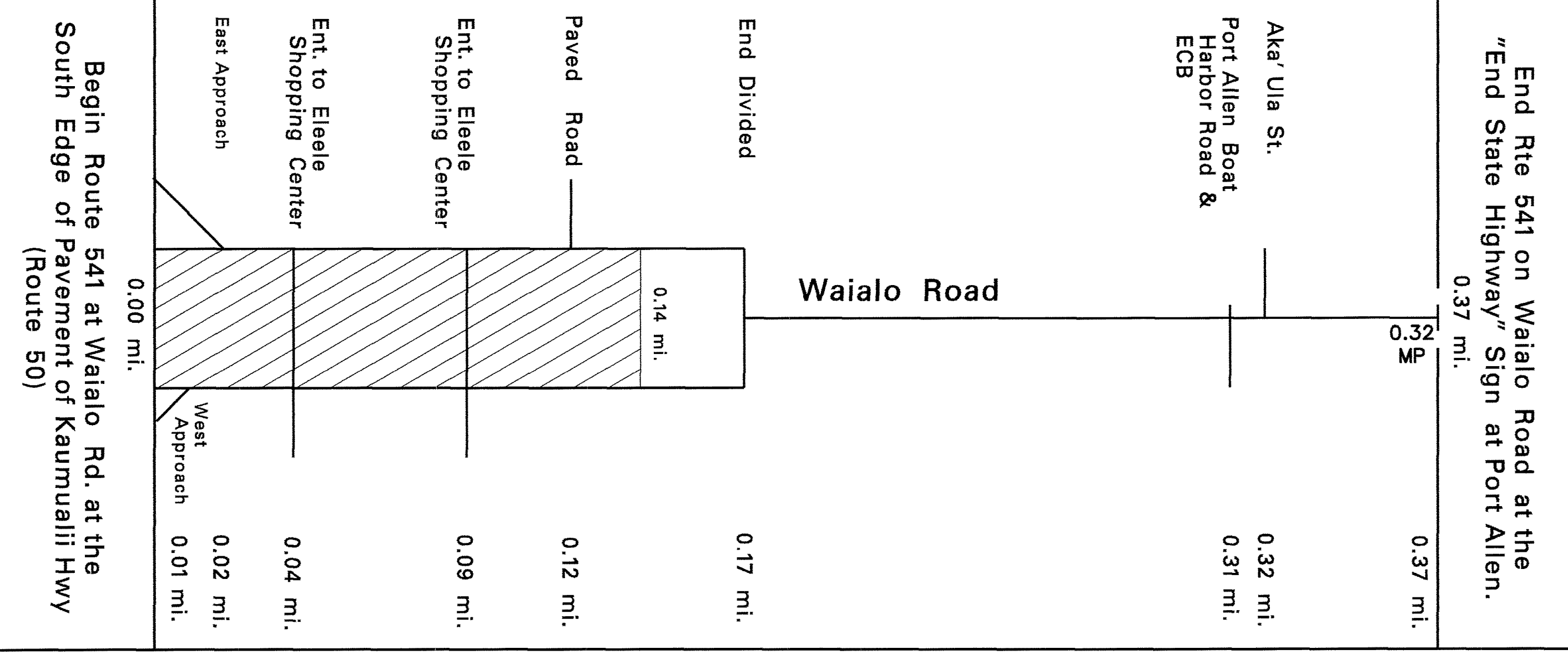


	SCALE: (In Miles) 20" = 1 mile	0.0 · 0.10 · 0.20 · 0.30 · 0.40 · 0.50 · 0.60 · 0.70 · 0.80 · 0.90 · 1.00
	Maintenance Control Sections : Length and Description	Begin 541 A on Waialo Road at Centerline of Kaumualii Hwy. · 541 A (0.37 mi.) · End 541 A Same as End Route.
Structure Carrying Road	Bridges (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	Varies · 0.04 · ◁—R/W is 40' from Centerline of Approaches · 100' · 0.29 · 40'–100'
	Available Right of Way Width (Needs Study)	Residential
	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	
	Project No., Type of Construction, and Year Constructed	541A–01–89M (R) 1990



▨ Indicates Grass & / or Physical Barrier on Median.

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
Undivided	Shoulder: Width and Type	5'–12' AC · 6'–8' AC
Undivided	Pavement: Width and Type	18' AC · 22' AC · 36' AC
Undivided	Shoulder: Width and Type	0 · 6' AC
Divided Highway	Median: Width and Type	2'–20' Raised Grass · 0.03 · 8' Raised Grass · 0.14 · 8' Paint · 0.17
Divided Highway	Shoulder: Width and Type	0
Divided Highway	Pavement: Width and Type	18' AC · 0.04 · 22' AC
Divided Highway	Shoulder: Width and Type	0.03 · 10' Dirt
	Number of Traffic Lanes	1–18' · 2–11' · 1–18' · 4–11' · 1–12' · 1–14'
	Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	11'
	(Right Side)	11' · 0.01
	Frontage Road: No. of Lanes, and Width (Right and Left)	
	Sidewalk: Width and Type (Right and Left)	
	Curb and/or Gutter: Type (Right and Left)	Conc. Curb on Median (L) & (R) · 0.14
	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
	Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Rolling
	Speed: 1–Design, 2–Posted	Not Posted · 0.05 · 35 MPH (2) · 0.21 · Not Posted
	Intersection Control Devices: Type, Location and Cycle Timing	
	Traffic Station	B73 0541 00000 · B73 0541 00004 · B73 0541 00017
	HPMS Section	0.03 · 0.14 · 0.21
	AADT (Year 2005)	6,231 · 0.04 · 4,044 · 0.17 · 5,803
	DOD Sections	
	Census Tracts	
	Functional Classification	Major Collector (7)
	National Highway System (NHS)	None
	Previous Projects: Project No., Date and Limits	FAP 12 J, 1939
	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
Sept. 2004, D.B.
Revised

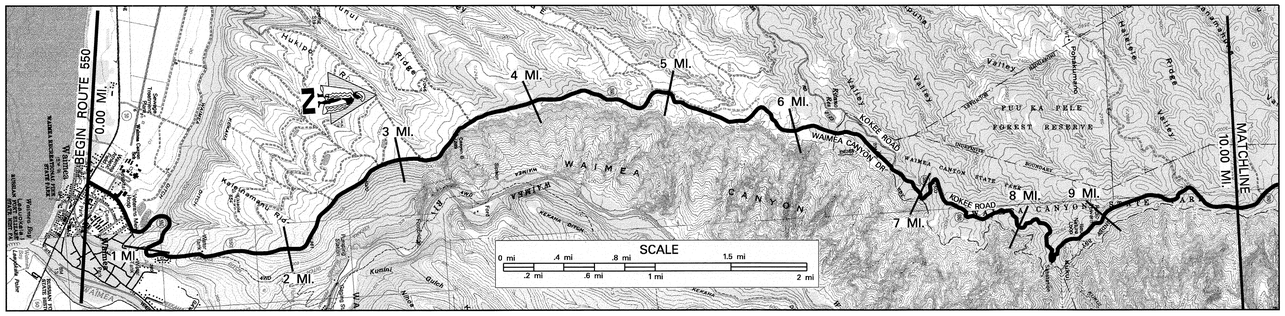
ROAD INVENTORY
KAUAI RTE 550
WAIMEA CANYON DRIVE & KOKEE RD.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

Total Route Length: 14.10 miles
a. Survey Length: 14.10 miles
b. Proposed Length: 0.00 miles
c. Other Length: * 0.00 miles
*



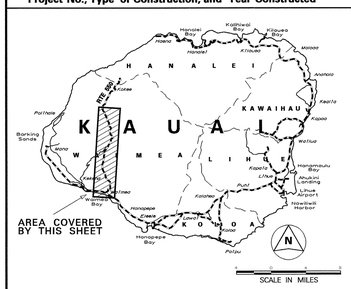
SCALE: (In Miles) 2" = 1 mile

Maintenance Control Sections : Length and Description
BEG 550 A ON WAIMEA CANYON DRIVE AT CENTERLINE WITH KAUMUALII HWY (RTE 50) — 550 A (6.73 MI.) — 6.73 END 550A & BEG 550 B ON WAIMEA CANYON DR. 50' S.E. OF THE CENTERLINE INTERSECTION WIYH KOKEE RD. — 550 B (7.37 MI.)

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

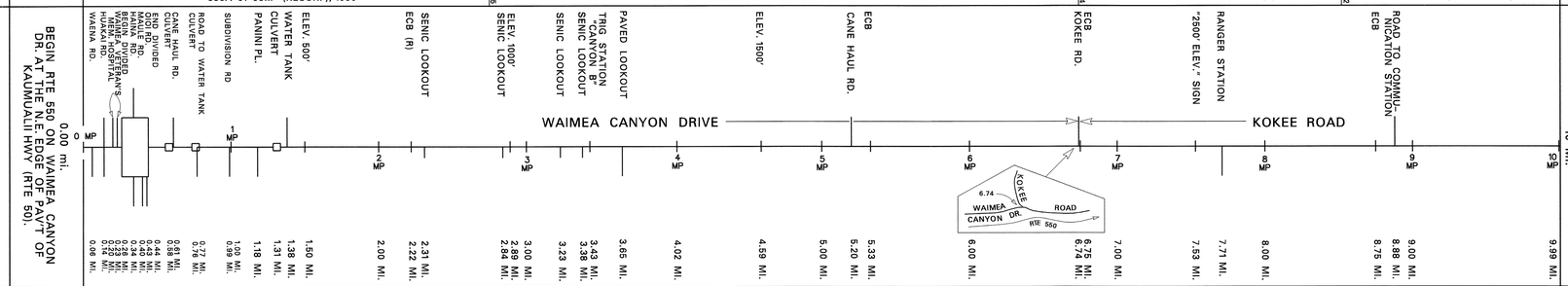
Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) if varies: 40' (1.19) 80' (4.16) 40' (6.78) 80'
Available Right of Way Width (Needs Study): RESIDENTIAL (0.87) CLEAR 1000' BUSHES AND GRASS (7.00) TREES
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: 550A–01–01M, (RESURF.) 2002 (4.16–6.00)
Project No., Type of Construction, and Year Constructed: 550A–01–95M (RESURF), 1996 (0–2.76); 350A–01–90M, RESURF, 1990 (2.76–6.74); 550B–01–92M, 1992 (R) (6.74–8.52); 550B–01–91M (RESURFACE) 1991 (8.52–10)



Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided
- Shoulder: Width and Type: 4' GRASS (0.20) 4'–6' GRAVEL (1.02) 6' GRAVEL (5.97) 2'–4' GRASS (6.77) 2'–6' DIRT (6.74) VARIES 2'–6' GRAVEL (9.25) 2'–6' GRASS
- Pavement: Width and Type: 20' AC (10' AC) 20' AC (18' AC) (6.74) 20' AC
- Shoulder: Width and Type: 6' (18' GRASS) 0 6' GRASS (0.80) 3' (0.97) 6' GRAVEL (3.48) 2' GRAVEL (4.80) 6' DIRT (4.98) 4' GRASS (5.65) 2'–6' GRASS (6.92) 4' (7.39) 6'–8' (7.85) 10' (7.98) 3' GRAVEL (8.23) 8' DIRT (8.45) 0'–2' DIRT
- Median: Width and Type: (0.07–0.38) (11' PAINTED AC) (0.44–0.97)
- Median Barriers:

Divided Highway
- Shoulder: Width and Type: 0
- Pavement: Width and Type: 10' AC
- Shoulder: Width and Type: 16' GRASS

Number of Traffic Lanes: 2–10' (1.05) 2–9' (6.74) 2–10'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 11' TLs (0.34–0.39)
(Right Side)
Frontage Road: No. of Lanes, and Width (Right and Left)
Sidewalk: Width and Type (Right and Left): None
Curb and/or Gutter: Type (Right and Left): None
Protective Devices: Type, Location and Number (ALL STEEL ON STEEL GUARDRAILS): (1.34–1.29) (2.93–2.91) (5.03–5.00) (5.78–5.66) (5.99–5.78) WOODEN RAILS ON WOODEN POSTS (9.36–9.34)
Illumination: Type, Location and Number: MV (0.07–0.65) (0.80–0.97) (1.02–1.08) (1.34–1.29) (1.49–1.70) (1.82–1.93) (2.02–2.15) (2.21–2.48) (2.59–3.48)
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 (0.89) MOUNTAINOUS (3)
Speed: 1–Design, 2–Posted: 25 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing
Traffic Station: B73 0550 00000 (0.05) B73 0550 00058 (0.79) B73 0550 00118 (2.19) B73 0550 00275 (5.33) B73 0550 00674 (7.71) B73 0550 00850
HPMS Section
AADT (Year 2005): 2,709 (0.58) 981 (1.18) 723 (2.76) 781 (6.74) 1,411 (8.60) 1,411
DOD Sections
Census Tracts
Functional Classification: MAJOR COLLECTOR (7)
National Highway System (NHS): NONE
Previous Projects: Project No., Date and Limits
HYY–K–01–82M (R) 1982 (1.02) HWY–K–01–70, 1970 (R) (1.05) RS–0550(2) RESURFACE, SAFETY & IMPROV., 1982 (3.48) LAND AND NATURAL RESOURCES (CONST. & MAINT. BY D.O.T.) 1963 (6.67) 6.74 550B–01–74, (RESURF), 1974 (PHASE II) 8.73 550–A–01–73, (R), 1973 COUNTY

SCALE: (In Miles) 2" = 1 mile

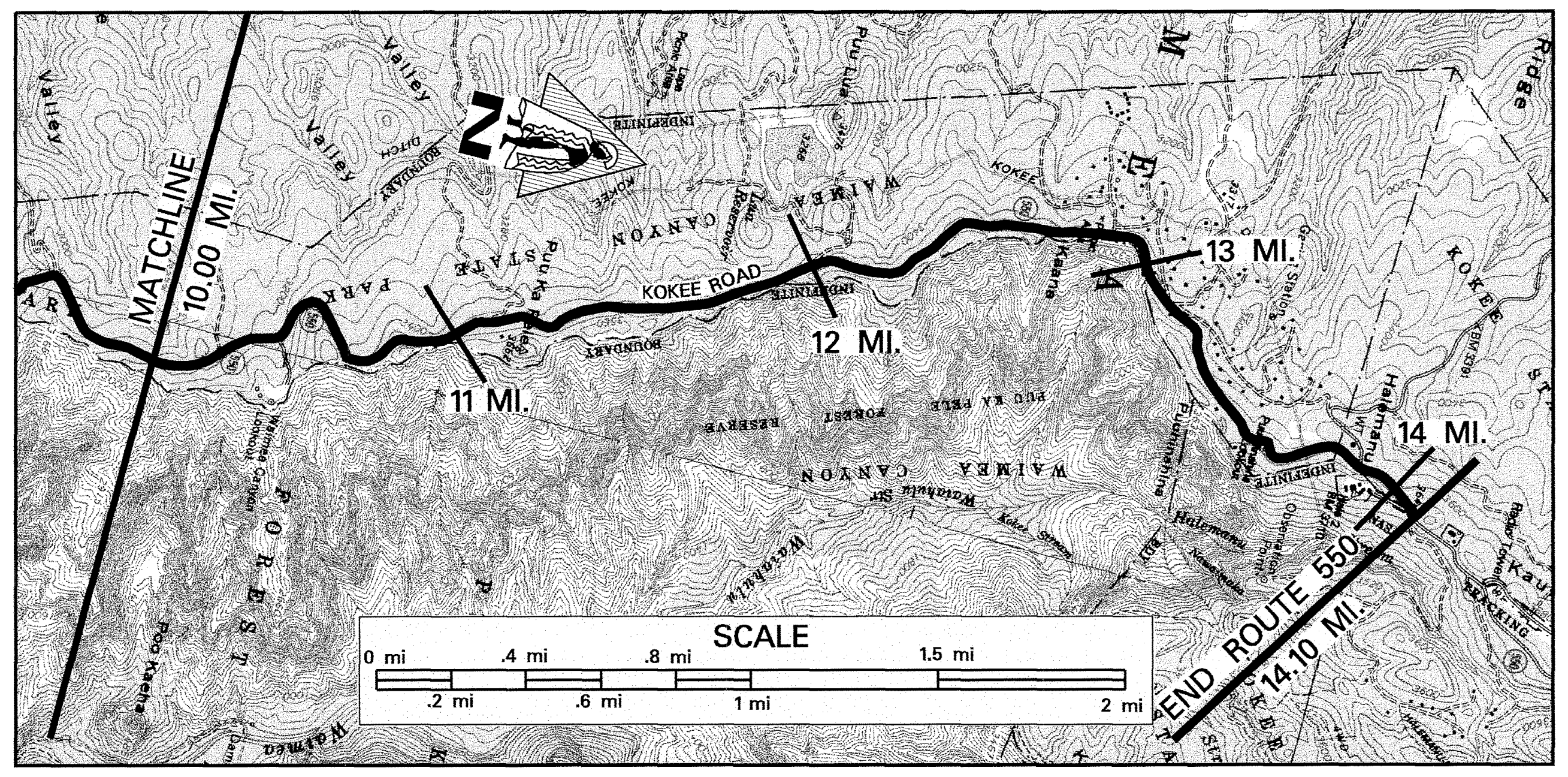
Date Released	
Sept. 04, D.B.	
Revised	
Sept. 06	D.B.

ROAD INVENTORY
KAUAI RTE 550
KOKEE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

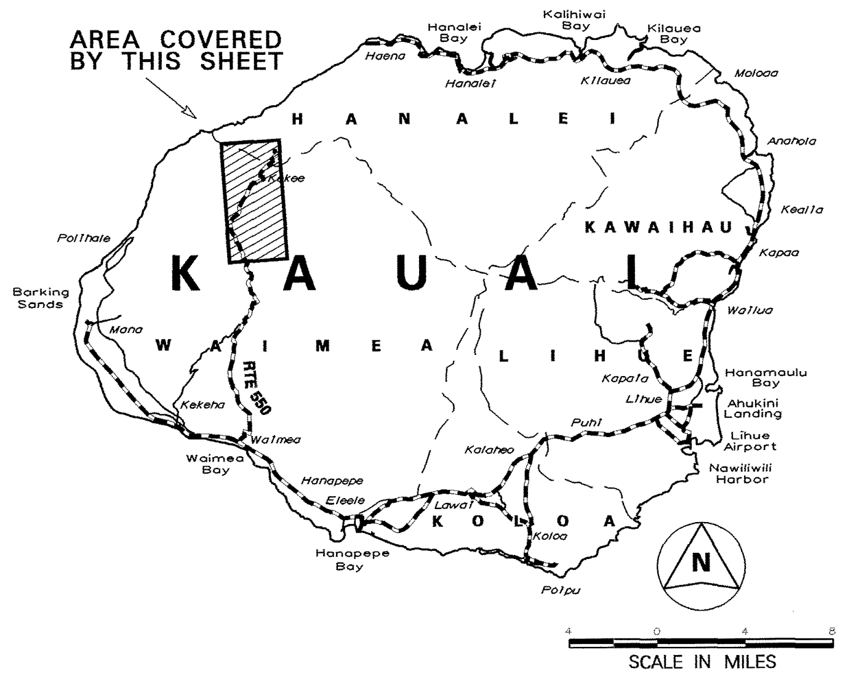
PREPARED BY THE
HIGHWAY PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 14.10 **miles**
a. Survey Length: 14.10 **miles**
b. Proposed Length: 0.00 **miles**
c. Other Length: * 0.00 **miles**
*

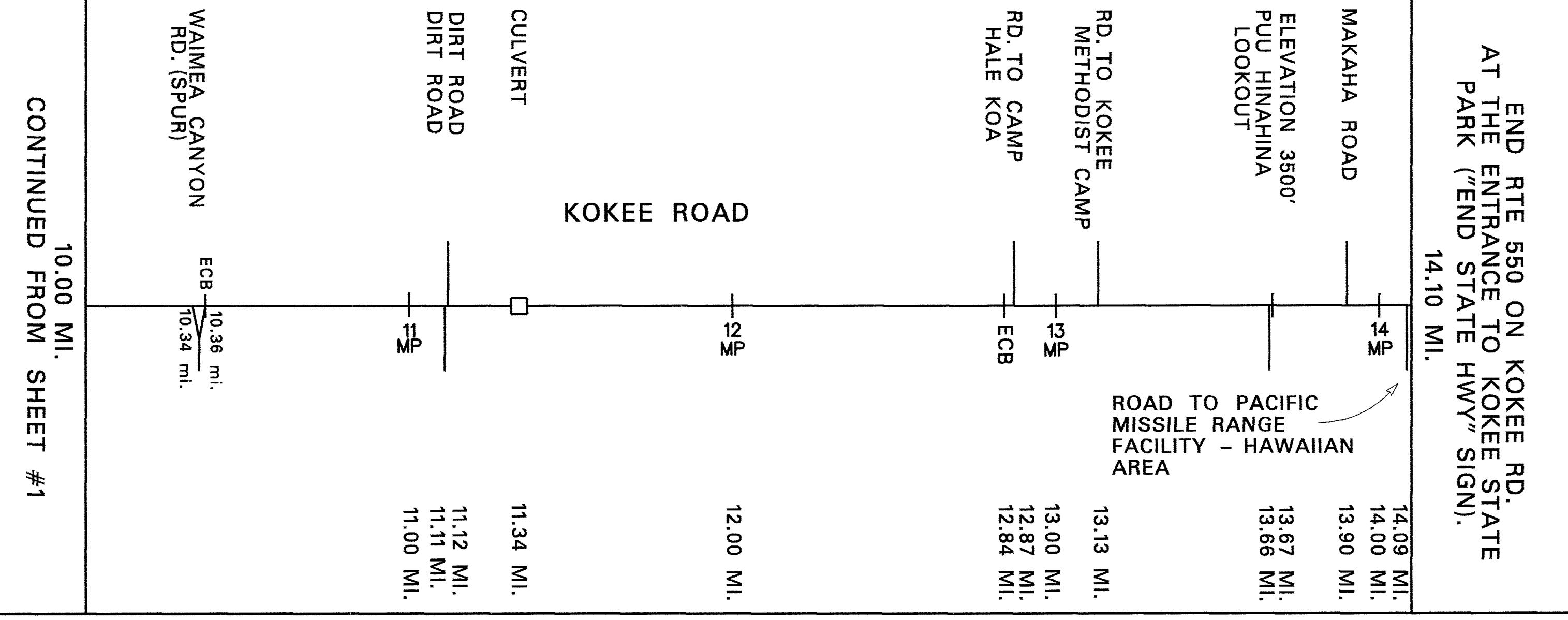


SCALE: (In Miles) 2" = 1 mile

	10 – 14
Maintenance Control Sections : Length and Description	550 B (7.37 MI.)
Structure Carrying Road: Bridges (Over 20'): Length, Type, Capacity and Year Constructed	
Structure Carrying Road: Vertical Clearance	
Structure Carrying Road: Horizontal Clearance	
Structure Over Road: Vertical Clearance	
Structure Over Road: Horizontal Clearance	
Right of Way Width (min.–max.) if varies	80'
Available Right of Way Width (Needs Study)	TREES – MOUNTAINS
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	
Project No., Type of Construction, and Year Constructed	550B–01–91M (RESURF.) 1991



Road Diagram
* MP=Milepost Signage



SCALE: (In Miles) 2" = 1 mile

	10 – 14
Divided Highway – Undivided: Shoulder: Width and Type	VARIES 2'–6' GRASS
Divided Highway – Undivided: Pavement: Width and Type	18' AC
Divided Highway – Undivided: Shoulder: Width and Type	0'–2' DIRT | 10.38 | 4'–6' GRASS | 10.97 | VARIES 2'–6' GRASS
Median: Width and Type	
Median Barriers:	
Shoulder: Width and Type	
Pavement: Width and Type	
Shoulder: Width and Type	
Number of Traffic Lanes	2–9'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	NONE
(Right Side)	NONE
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	NONE
Curb and/or Gutter: Type (Right and Left)	NONE
Protective Devices: Type, Location and Number — ALL METAL RAILS ON METAL POSTS	10.96–10.98 11.87–11.95 13.01–13.03
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 (3)
Speed: 1–Design, 2–Posted	25 MPH (2) | 12.51 | NOT POSTED 25 MPH
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Station	B73 0550 00850
HPMS Section	11.97
AADT (Year 2005)	1,411
DOD Sections	
Census Tracts	
Functional Classification	MAJOR COLLECTOR (7)
National Highway System (NHS)	NONE
Previous Projects: Project No., Date and Limits	550A–01–73 (R) 1973 | 12.10 | 550B –01–74 (R) 1974 COUNTY

SCALE: (In Miles) 2" = 1 mile

Date Released	
Sept 04, D.B.	
Revised	
Sept 06	D.B.

Sheet 2 of 2 KAUAI RTE 550

ROAD INVENTORY
KAUAI RTE 560
KUHIO HIGHWAY

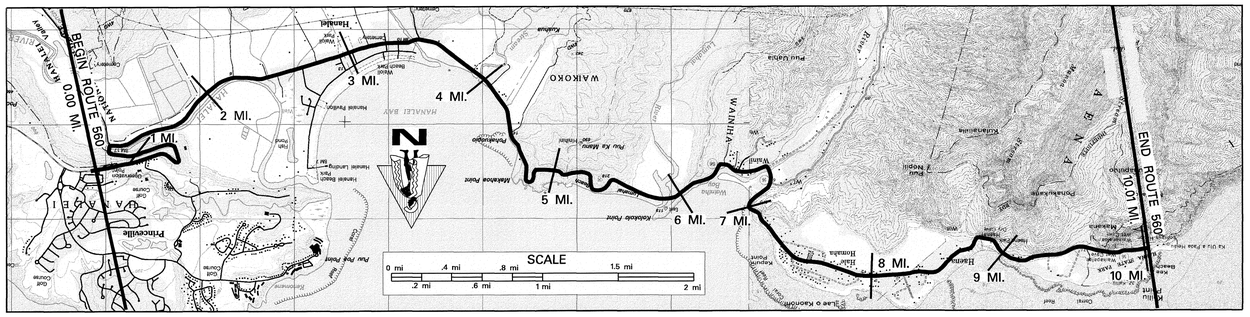
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

Total Route Length: 10.01 miles
- a. Survey Length: 10.01 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 560 A same as Begin Route. | 560 A (10.01 mi.) | End 560 A same as End Route 560.

Structure Carrying Road

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

Length	Type	Capacity	Year Constructed
113'	Steel Pratt Truss	H-10	1912
90'	R.C. Flat Slab	H-15	1912
188'	R.C. Flat Slab	H-15	1912
45'	R.C. Flat Slab	H-10	1913
538'	Cont. Concrete	HS 20	1968
42'	Steel Truss Deck	H10	1969
78'	Steel Truss Deck	H15	1973
146'	Steel Truss Deck	H15	1975

Vertical Clearance: 1.20, 3.39, 3.31, 4.21, 5.88, 6.40, 6.70, 6.88

Horizontal Clearance: 17', 13', 13', 13', 28', 10', 10', 14'

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies: 40' | 80'–125' | 40'

Available Right of Way Width (Needs Study): Grass and Small Trees | Residential | Trees and Brush | Residential with Trees and Bushes

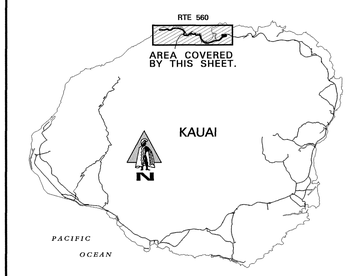
Right of Way Fence: Type – Right and Left (Footage indicates how far away from the edge of pavement the fence is.): Wire 10' 2.18 1.89; Wood 8' 3.00, Chain Link 6' 3.17 3.11, Wire 15'–25' 3.40 3.81; Wire 50' 5.73 5.78; Wire 6' 6.35 6.56; Chain Link 6' 7.44 7.41, Wood 10' 7.67 7.85, Wire 10' 8.14 8.09, Wire 10' 8.24 8.14, Wire 8' 8.35 8.24, 8.63 8.52, Wire 6'

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: 560A–03–99, SHLDR. IMPRV. 2005 (0.01 – 10.01)

Project No., Type of Construction, and Year Constructed: 560A–02–96M, 1997 (0.01 – 2.34); 560A–01–96M, 1997 (2.34 – 6.02); 560A–01–00M, (Resurf.) 2000 (6.02 – 7.92); 56D–01–85M, (Resurf.) 1985 (7.92 – 8.58); (56D–02–70 1970) (8.50 – 8.58); 560A–01–86M (R) 1986 (8.58 – 10.01)



Road Diagram

* MP = Milepost Signage

BEGIN RTE 560 ON KUHIO HIGHWAY AT ROUTE MARKERS 56 & 560 (SAME AS END ROUTE 56).

KUHIO HIGHWAY

Hanalei Lookout Rd. to Shop. Cnt. | Hanalei Plantation Rd. | End Divided Begin Divided | Hanalei River Br. ECB (R) | Culvert, Culvert, Culvert, Culvert, Ohiki Road | Culvert, Culvert | Hanalei Museum Rd. Culvert | Hanalei Road Begin Divided, Aku Road, Driveway, End Divided, Hanalei Road Begin Divided | Mahimahi Rd., Maloo Rd. | Kuhio Hwy. Begin Divided, Road to School, End Divided | Kuhio Road, Waioli Bridge, Anae Road | Waipa Bridge | Waikoko Bridge ECB (R) | ECB (R) | Lumahai Bridge ECB (L) | Anaenlu Road, Wainiha Bridge #1 | Wainiha Rd., Wainiha Br. #3, Ala'Elele Road, Wainiha Br. #2 ECB (R) | Alamihi Road | Alamihi Rd., Mikala Place, OneOne Road, Culvert #1 | Aliealea Rd. | Haena Pl., Culvert #2 | Wet Cave, Ford Crossing ECB (R) | Culvert | Limahuli Stream Crossing, Haena State Park Boundry | Parking Area, Wet Cave

MP 0.00 mi. 0.00 MI. – MP 9.56 mi. 9.56 MI.

END RTE 560 ON KUHIO HIGHWAY AT THE END OF THE PAVED HIGHWAY SECTION. ECB and End Route 10.01 mi. MP 10.00 mi. 10.00 MI.

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type: 2' AC/6' Grs. 0.38; 1'–2' AC; 4'–6' AC 2.88 (10' AC); 2' AC 3.39; 4' Grs. 4.88; 0 5.10; 6' Grs. 5.42; 0 5.63; 8' Grs. 5.76; 24' AC 5.99; (4' PCC) 0 6.41; 2' Grass 6.86; 0 7.05; 4' Grass 8.64; 0'–2' Grass 8.83; 0'–2' AC

Pavement: Width and Type: 20' AC (10' AC); 20' AC 1.42; 1.95 (8' AC); 20' AC; 10' AC (2' AC); 20' AC 3.92; 18' AC 5.26; 20' AC 5.76; 24' AC 5.99; 24' PCC 6.36; 20' AC; 18' AC

Shoulder: Width and Type: 2' AC/6' Grass 0.46; 1' AC 1.26; 1' AC/6' Grass 1.67; 2'AC/6' Grass 2.01; 2' AC (2' AC); 0 2.53; 2' AC/8' Grs. 3.37; 0 3.57; 8' Grs. 4.57; 0'–1' AC 5.88; 4' PCC 6.34; 0; 2'–4' Grs. 6.93; 0 7.09; 6'–8' Grass 8.83; 0'–2' AC

Divided Highway – Median

Median: Width and Type: (0' 1' AC) (0'–8' Paint); (0'–10' Painted AC) (2' AC/10' Grs.)

Median Barriers: 0.60 0.60; 2.61; 2.79 3.10; 3.17

Divided Highway – Undivided

Shoulder: Width and Type: (0') 0; 0

Pavement: Width and Type: (10' AC) 0; 10' AC (10' AC)

Shoulder: Width and Type: (1' AC) 1.42; 1.50; (1' AC) 2.41; 2' AC (2' AC/10' Grass)

Number of Traffic Lanes: 2–10' (2–9') 1.50; 2–10' 2.79; 2–10' 3.92; 2–9' 5.26; 2–10' 5.76; 2–12' 5.99; 2–10' 6.36; 2–9'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 8' T.Ls 2.42; 10' T.Ls 3.10 3.35

(Right Side): 2.79 2.74

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

Sidewalk: Width and Type (Right and Left): (4' Sidewalk) 2.63 2.62

Curb and/or Gutter: Type (Right and Left): (Conc. Gutter) 0.41 0.38; 1.17 1.13; (Conc. Gutter) 2.41 2.38; (2' Conc. Curb & Gutter); (Conc. Barrier); (Conc. Gutter) 9.41 9.38

Protective Devices: Type, Location and Number (All Metal on Metal unless otherwise noted.): 14 M.V. 0.46 1.11 1.22 1.21 1.49 1.48 1.53 1.63 1.75 1.73 1.86 1.90 1.97 2.18 2.23 2.26 2.28 2.32 2.35 2.37 2.39 2.41 2.43 2.45 2.47 2.49 2.51 2.53 2.63 2.77 3.31; 5 M.V. 4.60 4.84 5.10 5.08 5.50 5.34 5.54 5.55 5.67 5.99 6.05 6.18 6.28 6.33 6.38 6.67 6.74 (Wood) 6.87 (Wood) 6.72 6.93 7.06 7.09 8.40 8.39 9.33 9.37 9.64 9.62 9.66 9.65 9.83 9.82 9.84 9.83; (Wood 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: Rural

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Mountainous Flat 0.06 0.49; Mountainous 1.16; Flat 4.31; Mountainous 5.46; Flat 5.86 6.05; Mountainous 7.16; Flat 8.76; Mountainous Rolling 8.96

Speed: 1–Design, 2–Posted: 35 MPH (2) 2.31; 25 MPH (2) 3.53; 25 MPH (2) / 35 MPH (2) 4.15; 25 MPH (2) 5.64; 35 MPH (2) 6.04; 25 MPH (2) 8.96

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: B73 0560 00000; B73 0560 00038 0.37; B73 0560 00122 1.15; B73 0560 00261 1.49; B73 0560 00391 3.21; B73 0560 00609 6.09; B73 0560 00680 6.80; B73 0560 00877 8.77

HPMS Station

AADT (Year 2005): 10,047; 0.38 8,869; 1.22 9,381; 2.61 6,114; 3.91 5,407; 6.09 5,407; 6.80 3,834; 8.77 2,503

DOD Sections

Census Tracts

Functional Classification: Major Collector (7)

National Highway System (NHS): None

Previous Projects: Project No., Date and Limits

560A–02–96M, 1997 (0.01 – 2.35); 560A–01–90M, 1990 (2.35 – 2.46); HWY–K–01–82M. 1982 (R) (2.46 – 4.20); FR–0700(22) 1988 (Resurf.) (4.20 – 5.03); (S–0560(1), 1965) 6.03 – 6.14; (FR–0700(22) 1983 (R)) 6.14 – 6.63; 56D–01–85M, (Resurf.) 1985 (6.63 – 8.50); 56D–02–70 1970 (8.50 – 10.01)

0.39 (LT–K–03–80M (R) 1980); 1.42 – 1.50 (56D–01–80, 1980 (Safety Improv. & Resurf.)); 3.38 LT–K–03–80M 1980 (R) 3.97; 4.43 56D–02–70 1970 5.33 County; 5.46 5.66 (56D–02–70 1970) (S–0560(1) 1965); 5.79 79 + 50; 6.00 68 + 00; 6.63; 56D–02–70 1970; 8.66 – 8.84 (56D–02–70 1970); 8.77 8.70; 56D–02–70 1970

SCALE: (In Miles) 2" = 1 mile

Date Released	
Dec 2003, D.B.	
Revised	
Jan. 06	D.B.
Sept. 06	D.B.

ROAD INVENTORY

KAUAI RTE 570
AHUKINI ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

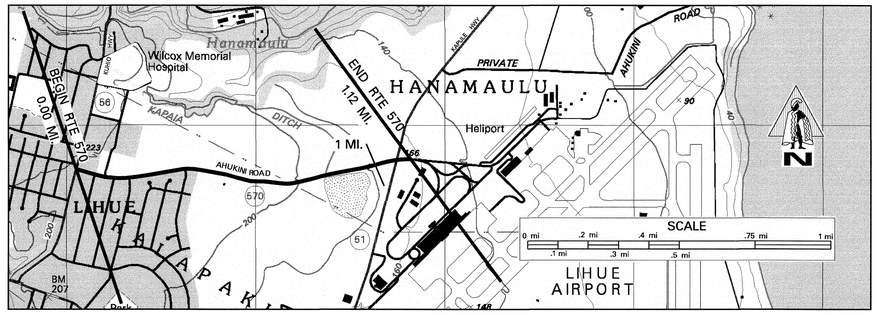
Total Route Length: 1.12 miles

a. **Survey Length:** 1.12 miles

b. **Proposed Length:** 0.00 miles

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

*

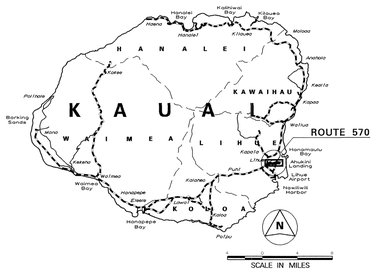


SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

BEGIN 570 A ON AHUKINI RD. 30' S.E. OF CENTER-LINE INTERSECTION / KUHIO HWY. — 570 A (1.12 MI.) — END 570 A – SAME AS END RTE 570

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	120'
Available Right of Way Width (Needs Study)	RESIDENTIAL (0.46) CLEAR 1000' – SUGAR CANE
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	(0.12) HWY-K-02-98 IMPRV., 2000 (0.29)
Project No., Type of Construction, and Year Constructed	570A-01-92M (R), 1993 (0.91) F-051-1(7), 1988



Road Diagram

* MP = Milepost Signage

BEGIN RTE 570 ON AHUKINI RD. AT THE S.E. EDGE OF PAV'T. OF KUHIO HIGHWAY (RTE 56). 0.00 MI.

0 MP — UMI ST. BEG. PAINTED MED. (0.17 MI.) — END PAINTED MED. (0.13 MI.) — EVT TO WALMART (0.06 MI.) — AKAHI ST. (0.06 MI.) — PALAI ST. (0.29 MI.) — CANE HAUL ROADS—DRIVEWAY TO HELICOPTER TOURS (0.36 MI.) — AHUKINI ROAD (0.53 MI.) — BEG PAINTED MED. (0.50 MI.) — KAPULE HWY (RTE 51) (0.91 MI.) — 1 MP (1.06 MI.)

END RTE 570 ON AHUKINI ROAD 30' FROM THE CENTERLINE INTERSECTION WITH KAPULE HWY (RTE 51) (SAME AS "END STATE HIGHWAY" SIGN) 1.12 MI.

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided: Shoulder: Width and Type	6' GRAVEL / 8' AC
Pavement: Width and Type	24' AC / 12' AC / 24' AC / 12' AC
Shoulder: Width and Type	0 / 0 / 6' GRAVEL / 0
Divided Highway: Median: Width and Type	12' PAINTED AC (0.03–0.29) / 12' PAINTED AC (0.70)
Median Barriers:	
Shoulder: Width and Type	0 / 0
Pavement: Width and Type	12' AC / 12' AC
Shoulder: Width and Type	2' AC (0.13) (4' AC/6' GRASS) / 8' AC
Number of Traffic Lanes	2–12' (0.97)
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	(0.13) 12' (L) T.L. (0.24); (0.97) 12' (L) 12' (0.96) 12' AC T.L.
(Right Side)	
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	4' CONC. (0.13)
Curb and/or Gutter: Type (Right and Left)	(CONC. CURB W/ 2' CONC. GUTTER)
Protective Devices: Type, Location and Number	NONE
Illumination: Type, Location and Number	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 (1) (0.88)
Speed: 1–Design, 2–Posted	35 MPH (2) — NOT POSTED / 35 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	(0.91) 3 PHASE (1.06)
Traffic Station	B73 0570 00000 — B73 0570 00017 — (B73 0570 00106)
HPMS Section	
AADT (Year 2005)	9,177 (0.07) 13,593 (1.06) (10,495)
DOD Sections	
Census Tracts	
Functional Classification	PRINCIPAL ARTERIAL (14)
National Highway System (NHS)	NHS
Previous Projects: Project No., Date and Limits	S-0570 (1), 1964

SCALE: (In Miles) 4" = 1 mile

Date Released
Oct. 04, D.B.
Revised

ROAD INVENTORY

KAUAI RTE 580
KUAMOO ROAD

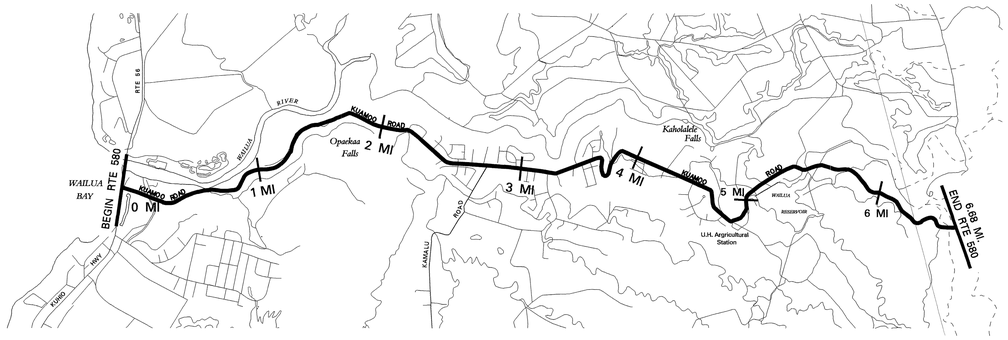
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Designated Route Length: 6.68 MILES (a+b)
- a. Existing Length: 6.68 MILES
- b. Proposed Length: 0.00 MILES

Total Travel Way Length: 6.68 MILES (a+b, less c)
- a. Existing Length: 6.68 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) 2" = 1 mile

Maintenance Control Sections : Length and Description

BEGIN 580A ON KUAMOO RD. 25' N.W. OF THE CENTER LINE INTERSECTION OF KUHIO HWY. (RTE 56) — 580 A (6.68 MI.) — END 580A SAME AS END RTE 580

Structure Carrying Road — Bridges (Over 20'): Length, Type, Capacity and Year Constructed: TEE BEAM 1936 H15 53'

Structure Carrying Road — Vertical Clearance

Structure Carrying Road — Horizontal Clearance: 24'

Structure Over Road — Vertical Clearance

Structure Over Road — Horizontal Clearance

Right of Way Width (min.-max.) if varies: VARIES 40'-46'

Available Right of Way Width (Needs Study): 40' | 40' | 28' | 23' | 80' | 40'-60'

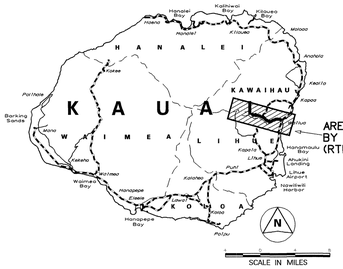
Right of Way Fence: Type - Right and Left: W/W 20'EP | WOOD | WIRE ON WOOD 15'EP | W/W

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. and Type of Construction: 580A-01-01, (R) 2002 | 580A-01-88M (R) 1988

Year Project Constructed: STP-0700(38), 1998 | 580A-01-99M, (R) 2000



Road Diagram
• MP=Milepost Signage

BEGIN RTE 580 ON KUAMOO ROAD AT THE W. EDGE OF PAVEMENT OF KUHIO HWY. (RTE 56) — 0.00 MI.

WAILUA ROAD — WAILUA RIVER STATE PARK ENT — CULVERT (SKEW) — CHANA ST. — WAILUA RIVER STATE PARK — OPAEKAA BRIDGE — 1 MP — STATE PARK ROADS — ENTRANCES TO SCENIC LOOKOUT — EXTRA FOOT LOOKOUT — KAMILOA HAWAIIAN VILLAGE — ECB — 2 MP — OHELO ROAD — LILIA PLACE — MELIA STREET — OHELO ROAD — MALA STREET — LANI ALII PLACE — KAMALU RD (RTE 581) — POKUKALA STREET — 3 MP — OPAEKAA ROAD — KALOHELI ROAD — LAUONE ROAD — PAAKO STREET — HIE STREET — LIHAU STREET — 4 MP — 3.98 MI. — HAWAIANA STREET — WAIKOLIA STREET — KAHOLALELE ROAD — ANA PONO STREET — U.H. AGR. STATION (R) — ECB — 4.83 MI. — ANA PONO STREET — PAVED ROAD — 5 MP — CULVERT — TRACTOR CROSSING — CULVERT — TRACTOR CROSSING — "END OF IMPROVED HWY." SIGN — 6 MP — FOREST RESERVE SIGN — KULAU RIDGE TRAIL — 6.68 MI. — END RTE 580 ON KUAMOO ROAD AT THE BEG OF FORD CROSSING.

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided — Shoulder: Width and Type: 4' AC | 4' - 6' AC | 6' - 12' GRS | 2' - 4' GRS

Divided Highway — Undivided — Pavement: Width and Type: 22' AC | 20' AC | 18' AC | 16' AC | 14' AC

Divided Highway — Undivided — Shoulder: Width and Type: 4' AC | 6' AC | 4' AC | 4' - 6' AC | 6' - 12' GRS | 2' - 4' GRS

Divided Highway — Median: Width and Type

Divided Highway — Shoulder: Width and Type

Divided Highway — Pavement: Width and Type

Divided Highway — Shoulder: Width and Type

Number of Traffic Lanes: 2 - 11' | 2 - 10' | 2 - 9' | 2 - 8' | 2 - 7'

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

(Right Side): NONE

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

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

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

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

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 | MOUNTAINOUS | ROLLING

Speed: 1-Design, 2-Posted: 35 MPH ② NOT POSTED | 35 MPH ② | 25 MPH ②

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station: B73 0580 00000 | B73 0580 00163 | B73 0580 00277 | B73 0580 00391 | B73 0580 00483

HPMS Section

AADT: 11,855 | 10,957 | 3,610 | 2,303 | 2,303

DOD Sections

Census Tracts

Functional Classification: MAJOR COLLECTOR (7)

National Highway System (NHS): NONE

Previous Projects: Project No., Date and Limits
- 580A-01-93M, (RESURFACE) 1994
- RS-0850(2), (RESURFACE AND IMPROVEMENTS), 1980
- 580A-01-88M(R), 1988
- COUNTY, MAINTAINED BY STATE
- 580A-01-70(R), 1971
- A-580-01-64 PHASE 2 1964
- A-580-01-64 PHASE 1, 1965
- WRDC-15(1), 1947
- COUNTY

SCALE: (In Miles) 2" = 1 mile

Date Released	
March 95	
Revised	
Pd Tom	3—95
Pd Tom	6—95
JK	4—96
JK	5—97

ROAD INVENTORY

KAUAI RTE 583
MAALO ROAD

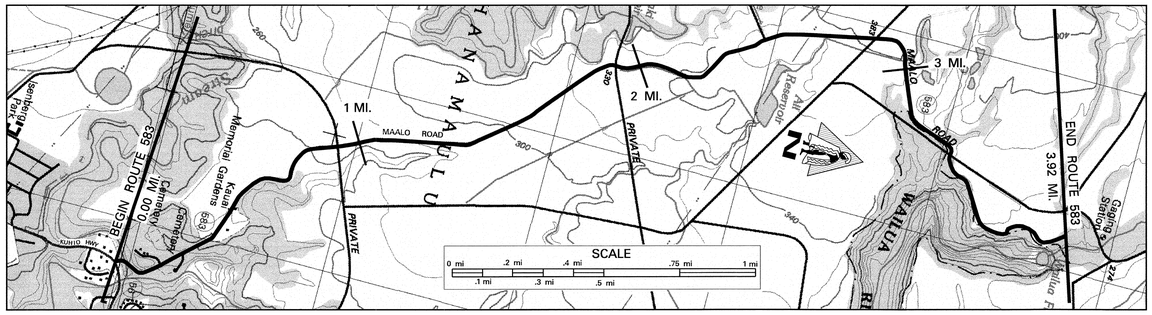
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

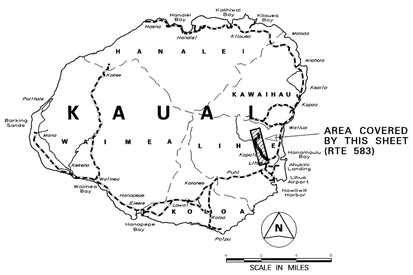
Total Route Length: 3.92 miles
- **a. Survey Length:** 3.92 miles
- **b. Proposed Length:** 0.00 miles
- **c. Other Length: *** 0.00 miles

*



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description	BEGIN 583A – ON MAALO ROAD 18' N.W. OF KUHIO HIGHWAY (RTE 56). 583A (3.92 MI.) END 583A – SAME AS ROUTE END 3.92
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)	CLR 1000' SUGAR CANE 20' FROM EDGE OF PAVEMENT
Right of Way Fence: Type – Right and Left	NONE
Control of Access: 1–None, 2–Partial, 3–Full	NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	STATE (159+75) 2.97 (209+10) 3.92
Project No., Type of Construction, and Year Constructed	(583A-01-71, 1971) 0.01 583-01-95M (RESURFACE) 1996 1.98 HWY-K-01-70, 1970 2.31 583A-01-71, 1971
Project No., Type of Construction, and Year Constructed	583A-01-01M, RESURFACE, 2005



Road Diagram
* MP = Milepost Signage

BEGIN RTE 583 ON MAALO RD. NORTHWEST EDGE OF PAV'T OF KUHIO HWY. (RTE 56) 0.00 mi.

BRIDGE (1927) 0.03 MI. · ROAD (L) 0.05 MI. · RD TO CEMETERY 0.15 MI. · 0.25 MI. · KAUAI MEMORIAL GARDENS ROAD 0.48 MI. · CULVERT 0.68 MI. · CULVERT 0.82 MI. · QUARRY ROAD (L) CANE HAUL RD. (R) 0.92 MI. · CULVERT 1.02 MI. · 1.10 MI. · ECB (L) 1.39 MI. · CULVERT 1.82 MI. · DIRT ROAD 1.92 MI. · CANE HAUL ROAD 1.99 MI. · 2.25 MI. · CANE HAUL ROAD 2.45 MI. · CULVERT 2.57 MI. · PAVED ROAD 2.82 MI. · CULVERT 2.90 MI. · 2.97 MI. · HWY. OVERPASS CULVERT 3.31 MI. · CULVERT 3.33 MI. · 3.45 MI. · CULVERT 3.80 MI. · ECB (R) 3.84 MI. · END OF PAV'T 3.92 MI.

MAALO ROAD — MP 0, MP 1, MP 2, MP 3

END RTE 583 ON MAALO RD. AT THE END OF PAVEMENT. 3.92 MI.

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided: Shoulder: Width and Type	GRASS 2' (0.10) 6' (0.46) 2'–4' (1.90) 6' (2.28) 0' (2.36) 4' (3.03) 8' (3.13) 4'–6' (3.62) 4' (3.79) 2'
Divided Highway – Undivided: Pavement: Width and Type	20' AC (1.98) 10'–15' AC (2.97) 17'–20' AC
Divided Highway – Undivided: Shoulder: Width and Type	GRASS 2'–4' (0.10) 6'–8' (0.88) 4'–6' (2.24) 3' (2.34) 6' (2.84) 2'–4' (3.16) 8' (3.43) 6'
Divided Highway – Divided: Median: Width and Type	
Divided Highway – Divided: Median Barriers:	
Divided Highway – Divided: Shoulder: Width and Type	
Divided Highway – Divided: Pavement: Width and Type	
Divided Highway – Divided: Shoulder: Width and Type	
Number of Traffic Lanes	2–10' (1.98) 2–(5'–7.5') (2.97) 2–(8.5'–10')
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	
(Right Side)	PARKING APRONS (R) 3.63 3.68 3.91 3.96
Frontage Road: No. of Lanes, and Width (Right and Left)	
Sidewalk: Width and Type (Right and Left)	
Curb and/or Gutter: Type (Right and Left)	
Protective Devices: Type, Location and Number	ALL METAL ON METAL UNLESS OTHERWISE NOTED 3.30 3.45 3.50 3.62 3.80 3.84 3.79 (STEEL RAILING ON CONCRETE WALL)
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 (0.92) RURAL
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	ROLLING
Speed: 1–Design, 2–Posted	25 MPH (2) (3.26) NOT POSTED 25 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Station	B73 0583 00000 · B73 0583 00092 · B73 0583 00198 · B73 0583 00331
HPMS Section	
AADT (Year 2005)	932 (0.92) 932 (1.98) 969 (3.37) 969
DOD Sections	
Census Tracts	
Functional Classification	MAJOR COLLECTOR (17) (0.92) MAJOR COLLECTOR (7)
National Highway System (NHS)	NONE
Previous Projects: Project No., Date and Limits	PHASE II 583A-01-71, 1971 0.50 HWY-K-01-70 (PHASE II), 1970 2.30 583A-01-71, 1971

SCALE: (In Miles) 4" = 1 mile

Date Released	
Oct. 04,	D.B.
Revised	
Jan. 06	D.B.

ROAD INVENTORY

KAUAI RTE 5600
TEMP. KAPAA BY–PASS ROAD.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH

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

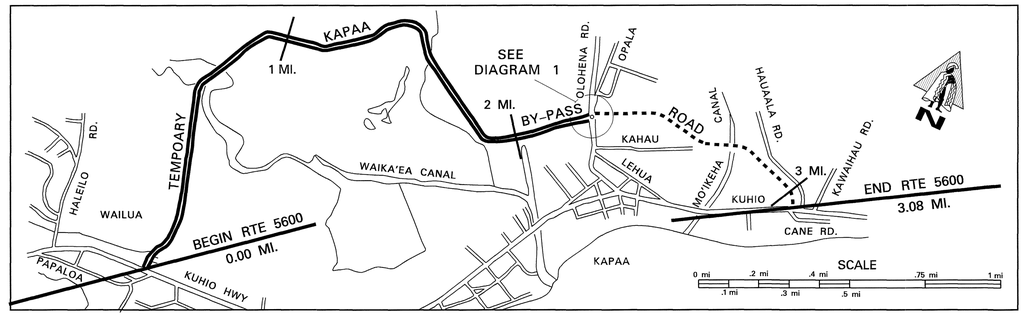
Total Route Length: 3.08 miles

a. Survey Length: 2.31 miles

b. Proposed Length: 0.77 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 — ACROW PANEL TRUSS, HL–93, 2006

Vertical Clearance — 94' (2.79)

Horizontal Clearance — 16'– 4"

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) if varies — 60' | 1.19 | 100' | 1.36 | 60' | 1.52 | 100' | 1.60 | 120' | 2.07 | 60' | 2.17 | 100' | 2.27 | 60' | 2.31 | 80'

Available Right of Way Width (Needs Study) — 2.86

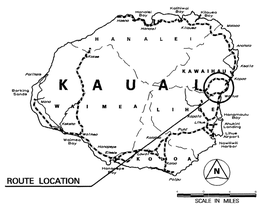
Right of Way Fence: Type – Right and Left — 2.33: WIRE 35'–40' FROM E.P.; 6' CHAINLINK FENCE 25'–30' FROM E.P. (3.02)

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 — (0+00); (–)2+79.55; 2.25; (123+00); (40+79.03); 56A–03–00, NEW CONSTRUCTION

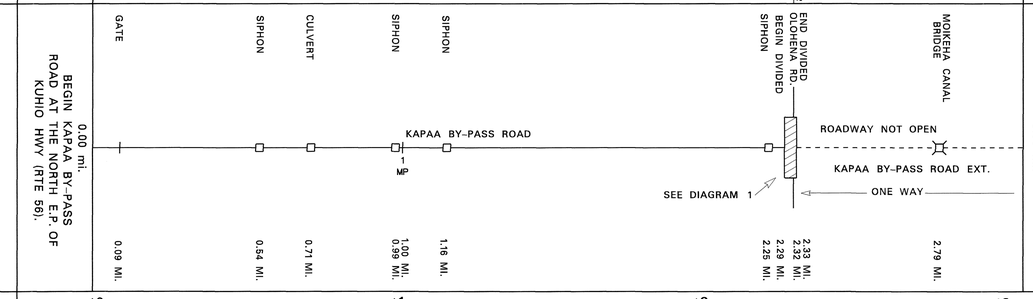
Project No., Type of Construction, and Year Constructed — 2.32; 56A–02–95

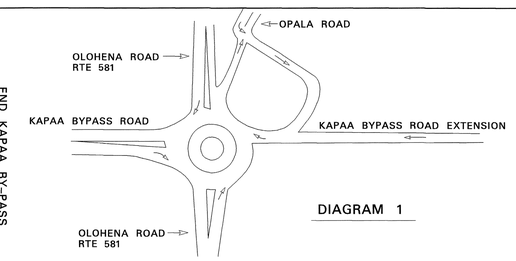


Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage





SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

Shoulder: Width and Type — 2' AC; (0); 5' AC; 2.73; 2'–6"– 2'–8" AC; 2.86; 5' AC

Pavement: Width and Type — 22' AC; (15' AC); 11' AC (ONE WAY (–) DIRECTION)

Shoulder: Width and Type — 2' AC; (0); 2' AC; 2.73; 2'–6"– 2'–8" AC; 2.86; 2' AC

Median: Width and Type — (100' CONC. ROUNDABOUT); 2.29; 2.33

Shoulder: Width and Type — (0)

Pavement: Width and Type — (15' AC)

Shoulder: Width and Type — (0)

Number of Traffic Lanes — 2–11'; 2.31; 1–11'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — (2–15')

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number — ALL METAL RAILS ON METAL POSTS — 0.20; 0.25; 0.32; 0.45; 0.52; 0.54; 0.69; 0.71; 0.91; 0.97; 0.98; 1.05; 1.06; 1.14; 1.15; 1.17; 1.16; 1.22; 1.24; 1.28; 1.37; 1.52; 1.58; 1.61; 1.62; 1.95; 2.08; 2.24; 2.27; 2.71; 2.89

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Grades: % Grade, Positive or Negative

HOV Lanes/Contra–Flow Lanes

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: — URBAN; 0.88; RURAL; 2.00; URBAN

Terrain: 1–Flat, 2–Rolling, 3–Mountainous — 0.13; ROLLING; (25 MPH (2)); FLAT

Speed: 1–Design, 2–Posted — (25 MPH (2)); (NOT POSTED); 0.17; 35 MPH (2); 1.33; 25 MPH (2); 1.71; 35 MPH (2); 2.18; 2.31; 25 MPH (2); (15 MPH (2)); 2.33

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Station

HPMS Section

AADT

DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

SCALE: (In Miles) 4" = 1 mile

Date Released	
May 2006,	D.B.
Revised	
Sept. 06	D.B.