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

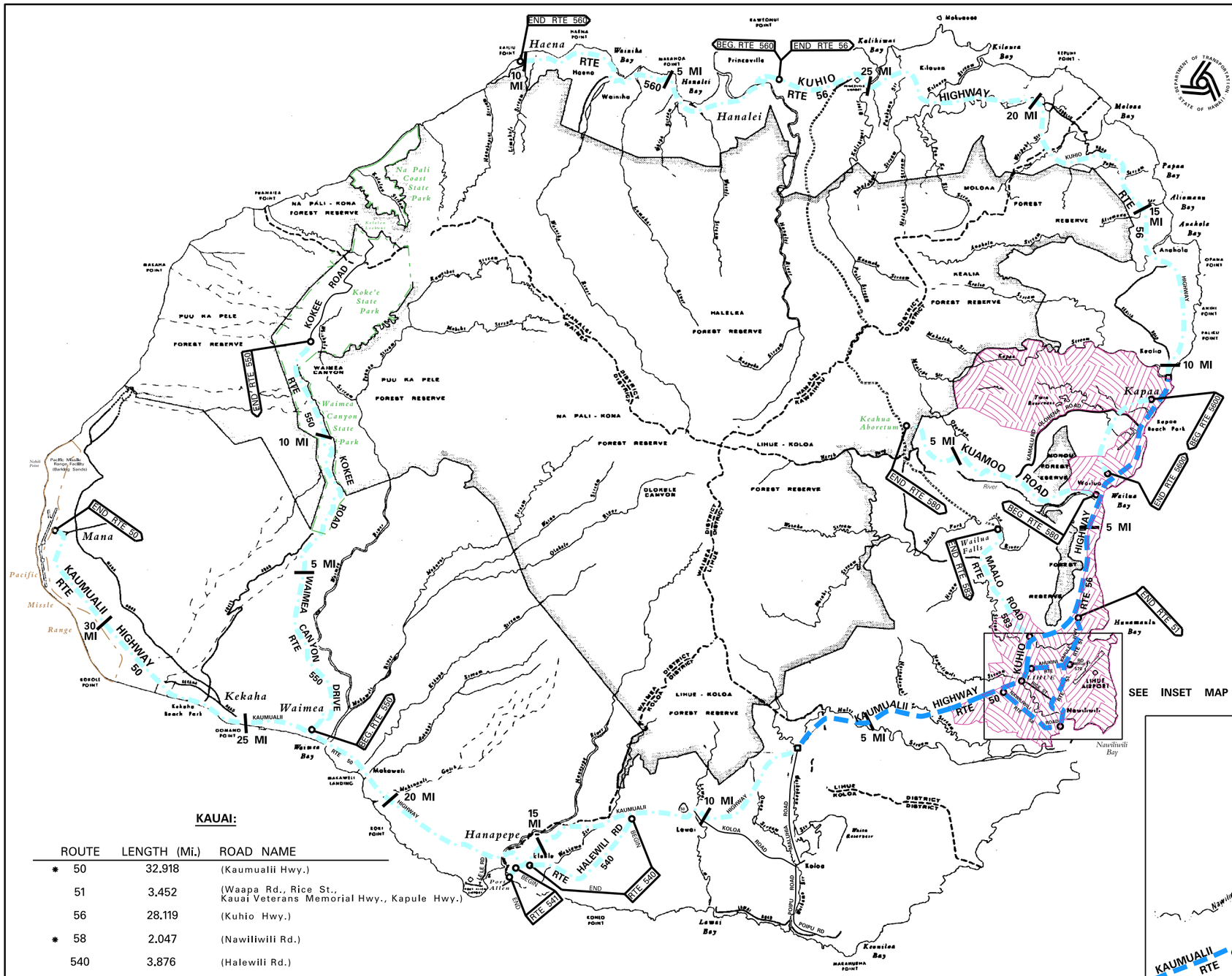
DECEMBER 2017

N

SCALE

1 0 1 2 3 4 MILES

1 0 1 2 3 4 KILOMETERS



SEE INSET MAP

LEGEND

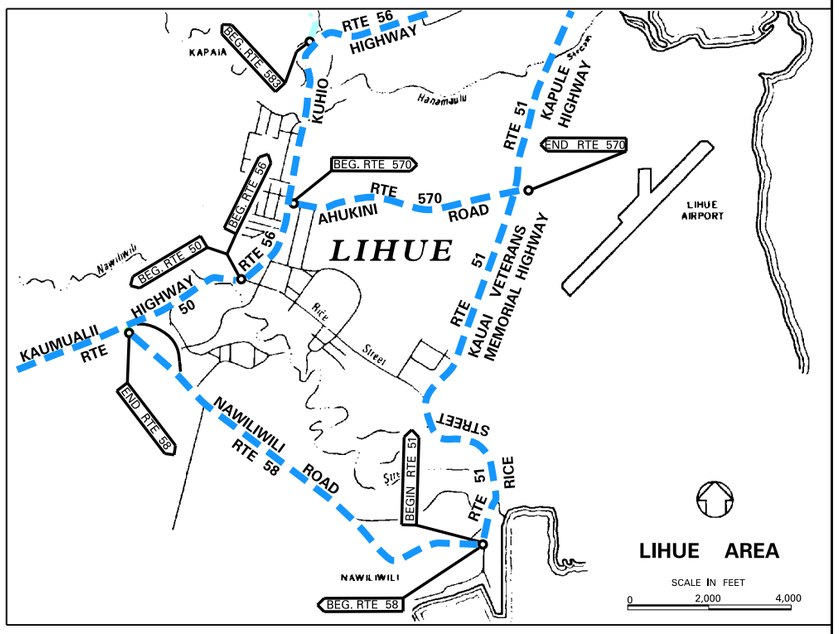
STATE (NHS)

STATE (Non-NHS)

Route termini point

NHS to non-NHS transition point

URBAN AREA



KAUAI:

	ROUTE	LENGTH (Mi.)	ROAD NAME
*	50	32.918	(Kaumualii Hwy.)
	51	3.452	(Waapa Rd., Rice St., Kauai Veterans Memorial Hwy., Kapule Hwy.)
	56	28.119	(Kuhio Hwy.)
*	58	2.047	(Nawiliwili Rd.)
	540	3.876	(Halewili Rd.)
	541	0.370	(Waialo Rd.)
	550	14.072	(Waimea Canyon Drive, Kokee Rd.)
*	560	10.003	(Kuhio Hwy.)
*	570	1.122	(Ahukini Rd.)
*	580	6.68	(Kuamoo Rd.)
	583	3.91	(Maalo Rd.)
*	5600	3.085	(Temporary Kapaa By-Pass Rd.)

TOTAL = **109.654**

* Please Refer to Hwy System Changes List for Route Changes

Date Released	
Dec 2002	JK
Revised	
Apr. 04	DR
May 06	DR
Jan. 07	DR
Feb. 11	DR
Feb. 12	DR
Feb. 13	EPJ
Dec. 13	EPJ
Dec. 14	EPJ
Jan. 16	EPJ
Jan. 17	EPJ
Feb. 18	DR

ROAD INVENTORY

KAUAI RTE 50
KAUMUALII HIGHWAY

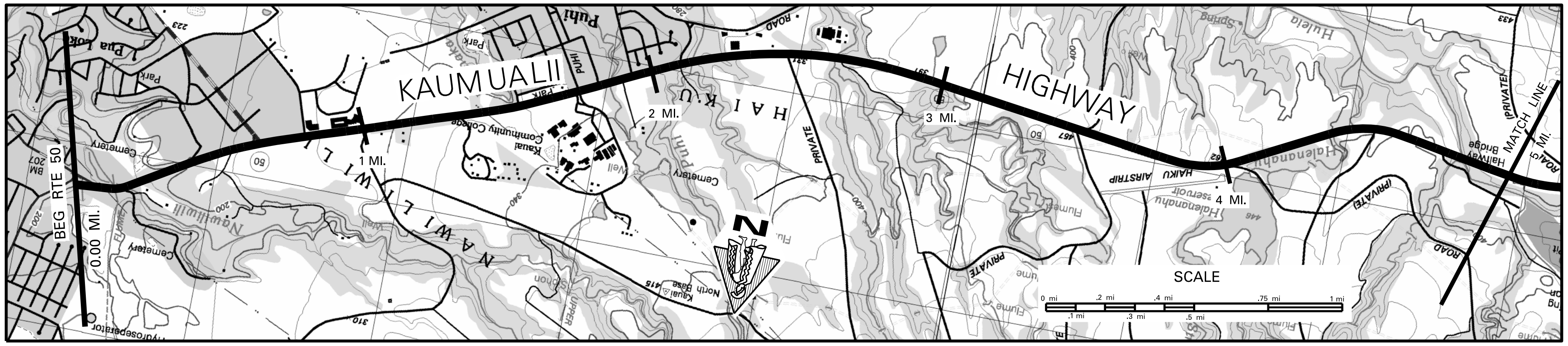
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

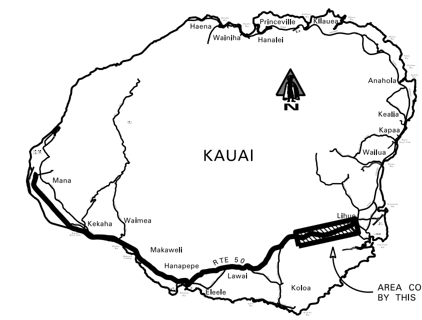
Total Designated Route Length: 32.918 MILES (a + b)
a. Existing Length: 32.918 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 32.918 MILES (a + b, less c)
a. Existing Length: 32.918 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: 0.00 MILES (–)

NEEDS STUDY ROUTE NO. ______ FUNCTIONAL CLASSIFICATION ______



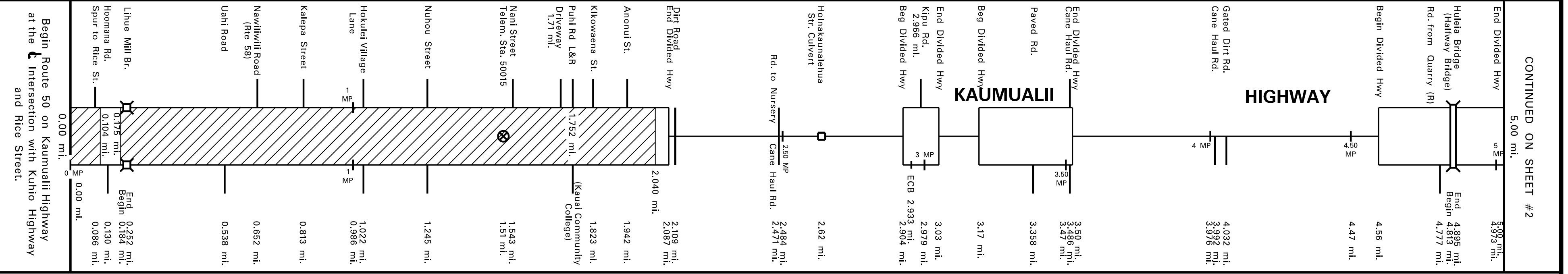
SCALE: (In Miles) 4" = 1 mile

Item		0 – 5 miles
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		359' · ? RC FLAT SLAB ON I STRG. (STR), 1936 ? · 359' · RC TWIN BOX CULVERT (STR) 1950, H20 · 25' · PRESTRESSED CONC. GIRDER HS-20-44, 1990 · 428'
Structure Carrying Road – Vertical Clearance		.184 · 2.62 · 4.81
Structure Carrying Road – Horizontal Clearance		37.5 39.5 · 40' · 52'
Structure Over Road – Vertical Clearance		
Structure Over Road – Horizontal Clearance		
Right of Way Width (min.–max.) if varies		60' · 0.39 · 80' · 0.45 · 60' · 1.45 · 80' · 1.57 · 60' · 1.86 · (80') · 1.88 · 60' · 2.08 · 80' · 2.28 · 60' · 2.63 · 120' · 2.80 · 60' · 2.94 · (100') · 2.97 · 80' · (110') · 3.57 · 3.61 · 60' · 4.19 · 70' · 4.26 · 130' · 4.49 · 80' · 4.67 · 120' · (170') · 4.80 · 150' · 4.96 · (60')
Available Right of Way Width (Needs Study)		Residential + Commercial · 0.21 · Trees + Bushes · 0.57 · Sugar Cane · 1.06 · Residential · 2.02 · Sugar Cane · 4.02 · Trees · 4.76
Right of Way Fence: Type – Right and Left		1.06 · W/W 30'FEP · 1.37 · W/W · 1.55 · 4.01 · W/W 30' FEP · 4.31
Control of Access: 1–None, 2–Partial, 3–Full		NONE · 189+17
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)		13+38.93 · 98+80 · STATE · 194+75 · 189+17 · 94+99.17 · 263+00
Project No., Type of Construction, and Year Constructed	(50E-01-98 Realignment 2001)	0.12 · 0.17 · 50DE-01-05M (R) 2006 · 1.79 · 2.13 · 50D-01-10M, RESURF., 2012 · 2.91 · (HWY-K-03-04M, RESURF., 2008) · 3.01 · 3.03 · 50D-01-11MR, RESURFACE, 2017 · 4.81 · 4.91 · (STP-050-1(039), PREVENTIVE MAINTENANCE, 2017)
Project No., Type of Construction, and Year Constructed	(LIHUE PLANTATION PROJECT, 1964)	0.02 · 0.22 · (HWY-K-01-78M (R), 1978) · STP-050-1(19), 1998 · 1.45 · STP-050-1(22), Guardrail & Shoulder Imprv., 2002



▨ Indicates Grass & / or Physical Barrier on Median.

Road Diagram
* Milepost Signage



SCALE: (In Miles) 4" = 1 mile

Item		0 – 5 miles
Undivided Highway – Shoulder: Width and Type	0.000–2.002 MI. 5' Bike Lane	3'–5' PCC · .745 · 2'–13' PCC · .974 · 6'–8' AC · 2.85 · 4' AC · 3.39 · 6'–8' AC · 3.78 · 6' AC · 3.85 · 6'–8' AC · 4.27 · 5' AC · 4.44 · 8' AC · 4.48 · 4'–5' AC · 4.58 · 8' AC · 4.76 · 8' Conc. · 4.84 · 8' AC
Undivided Highway – Pavement: Width and Type		22' PCC · 12' AC · 23'/24' AC · 12' AC · 23'/24' AC · 12' AC · 23'/24' AC · 4.51 · 12'/13' AC
Undivided Highway – Shoulder: Width and Type		.652 · (3'–7' Raised Conc.) · .913 · 2'–6' PCC · .040 · 0 · 6'–8' AC · 0 · 6'–8' AC · 0 · 6'–8' AC · 5' AC · 4.36 · 8' AC · 18' AC · 8' AC · 0 · CENTERLINE MILLED RUMBLE STRIP
Divided Highway – Median: Width and Type	(7'–18' Raised Grass) (10–19' Painted PCC)	.104 · .175 · .258 · (7' Conc. Barr.) · 6'–12' Raised Grass · .570 · 3'–6' Raised Conc. · .652 · 6'–27' Raised Grass · .748 · .813 · 4'–27' Raised Grass · 3'–4' Raised Conc. · .022 · 5'–27' Raised Grass · .178 · .245 · (3'–6' Raised Conc.) · 10'–27' Raised Grass · .768 · 7'–20' Grass · (0'–16' Painted AC) · CENTERLINE MILLED RUMBLE STRIP · 2.904 · 0'–9' Painted AC · 3.03 · 3.17 · 0'–12' Painted AC · 3.50 · CENTERLINE MILLED RUMBLE STRIP · .56 · .68 · .77 · 0'–12' Painted AC · 5.00
Divided Highway – Shoulder: Width and Type		1'–5' PCC · .040 · 0 · 0 · 0 · 0
Divided Highway – Pavement: Width and Type		22' PCC · .818 · 11' PCC · .974 · 11'/12' AC · 11'/12' AC · 11'/12' AC · 12' AC
Divided Highway – Shoulder: Width and Type	0.000–2.014 MI. 5' Bike Lane	2'–6' AC · 1.91 · 1.93 · 4' AC · (6'–8' AC) · 2.92 · 5' AC · 3.02 · (6'–8' AC) · 4'–8' AC · .800 · 8' AC · 4.77 · 8' Conc · 4.85 · 8' AC · 4.95 · 4' AC
Number of Traffic Lanes		.086 · .120 · .538 · .603 · .652 · .731 · .759 · .813 · 4–11' · .022 · .137 · .163 · .245 · .343 · .438 · .543 · .640 · .689 · .752 · .818 · 2–11' · 1–11' · .942 · .974 · 1–12' · 1–11'/12' · .800 · 1–11'/12' · 1–12' · 1–12'/13'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)		18' · .036 · 12' · 14' · .130 · .177 · .467 · 12' · 12' · .598 · 12' · 13' · 11' · 11' · 12' · 11' · 12' · .337 · 14' · 11' · .650 · .752 · 11' · 11' · .808 · .819 · .884 · .974 · 11' · 11' · .001 · .030 Diverge · .966 · 12' · .10 · .30 · .358 · .41 · .624 · 12' · .777 · 12'
(Right Side)		.551 · 2–12' · .652 · 2–12' · .084 · 2–12' · .245 · 10' · 11' · 10' · 10' · 11' · 13' · 12' · .752 · 11' · 11' · .009 · 11' · 11' · Merge · 11' · .938 · .966 · .998 · 12' · 12' · 12' · 11' · 11' · .30 · .358 · .40 · 15' · .662 · .777 · .896
Frontage Road: No. of Lanes, and Width (Right and Left)		.086 · .252 · .468 · .538 · .578 · .613 · .710 · .732 · .813 · .865 · .890 · .022 · .150 · .245 · .280 · .455 · .543 · .625 · .670 · .752 · .791 · .818 · .848 · .942 · .974 · None
Sidewalk: Width and Type (Right and Left)		(5'–9' Conc. S. W.) · 8' Conc. S. W. · .928 · 6'–12' Conc. S. W. · 8' Conc. S. W. · .765
Curb and/or Gutter: Type (Right and Left)		Conc. Curb & Gutter · .928 · 0.09 · Conc. Curb & Gutter · .765
Protective Devices: Type, Location and Number	Conc. w/ Metal = C/M Metal w/ Metal = M/M	.111 · .244 M/M & Conc Barr · .184 · .256 M/M & Conc Barr · .244 · M/M · .523 · .425 · M/M · .724 · .835 · M/M · .902 · .835 · M/M · .883 · .047 · M/M · .266 · .040 · M/M · .144 · .224 · M/M · .279 · .558 · .674 · .708 · .787 · M/M · M/M · .544 · M/M · .653 · .952 · .979 · M/M · .935 · M/M · .054 · .529 · .572 · .646 · .698 · .816 · .957 · M/M · .410 · M/M · .467 · (M/M) · .541 · .574 · M/M · .643 · .698 · .815 · M/M · .956 · .090 · .193 · M/M · .083 · M/M · .201 · .306 · .467 · M/M · .304 · M/M · .389 · .526 · M/M · .524 · (M/M) · .556 · .593 · .766 · .907 · .980 · M/M · 4.97 · (Metal w/ Metal) · .791 · Metal w/ Metal
Illumination: Type, Location and Number		Luminairs · 0.15
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62)	(B)	0.02 · A · 0.11 · C · 0.18 · A · 1.46 · C · 1.55 · A · 2.06 · C · 2.09 · A
Superelevation (Range)		
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45)		B · 0.19 · C · 0.33 · D · 0.40 · B · 1.35 · A · 1.49 · B · 1.95 · C · 2.02 · B · 2.55 · A · 2.70 · D · 2.92 · C · 3.30 · B · 3.82 · A · 3.97 · C · 4.35 · B · 4.71 · C
Vertical Curve: Crest or Sag, Curve Limits		
Area and Development:		Small Urban (99998) · 2.11 · Rural (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous		Rolling (2) · 0.52 · Flat (1) · 1.24 · Rolling (2) · 2.18 · 2.87 · Flat (1) · 3.36 · Rolling (2)
Speed: 1–Design, 2–Posted		25 MPH ② · 2.11 · 35 MPH · 2.19 · 40 MPH ② · 3.00 · 3.14 · 45 MPH ② · 3.41 · 50 MPH ②
Intersection Control Devices: Type, Location and Cycle Timing		.000 · 3 Phase · .652 · .813 · 3 Phase · .022 · .245 · 3 Phase · 3 Phase · .752
Traffic Stations (Current Year)		B73 0050 00000 · B73 0050 00064 · B73 0050 00175
HPMS Sections – AADT 2016		46,400 · 28,000 · 25,100
HPMS Sections – AADT 2015		46,400 · 0.64 · 26,800 · 1.75 · 25,100
HPMS Sections – AADT 2014		0.09 · N/A · 0.80 · 25,100 · 4.78 · 23.700
DOD Sections		
Census Tracts		
Functional Classification		Principal Arterial (3)
National Highway System (NHS)		On NHS (1)
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 (BRDG & APPRCH)) · 4.53
		0.23 · 0.59 · 0.71 · 0.94 · STP-050-1(15) (R) 1996 · 2.97 · (HWY-K-03-82, 1983 (GUARDRAIL & SHOULDER IMPRV.)) · 4.67
		(50E-01-92M (R), 1993) · 0.96 · 50 DE-01-86M (R), 1986 · 2.98 · 50D-01-87M (R), 1987 · 3.94 · 4.21 · 50 DE-01-86M, 1986 · 4.49 · 4.61 · LT-K-02-79, 1980
		1.59 · HWY-K-01-76M (R) 1976
	(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 1971)
		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.
Mar. 09	D.B.
Dec. 09	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.
Jan 16	C.R.
Aug. 16	D.B.
Jan 17	E.P.J.
Feb. 18	D.B.

ROAD INVENTORY

KAUAI RTE 50
KAUMUALII HIGHWAY

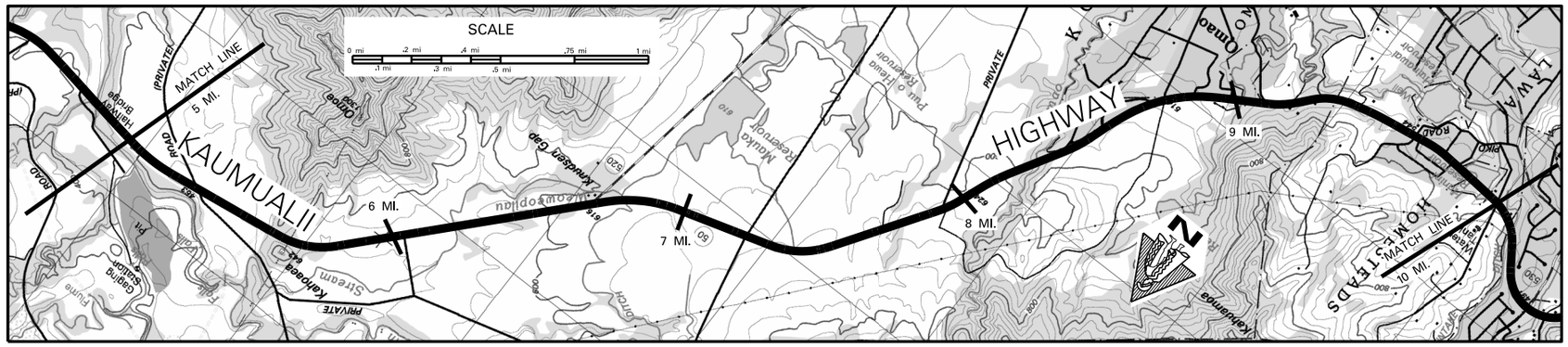
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length:	32.918	MILES (a+b)
a. Existing Length:	32.918	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	32.918	MILES (a+b, less c)
a. Existing Length:	32.918	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; RC FLAT SLAB, H-15 (STR) 1934; CONT. CONC. TEE, H-15 (STR) 1934

Vertical Clearance: 6.23 39'; 6.81 22'; 8.28 140'

Horizontal Clearance: 24'; 24'; 24'

Structure Over Road

Vertical Clearance

Horizontal Clearance

Right of Way Width (min.–max.) If varies: 60' 100' 60' 65' 60' (100') 60' (100') 60' (200') 80' 60' (80') 100' 60' 90' 100' (130') 70' (60') 80' (100') (120')

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

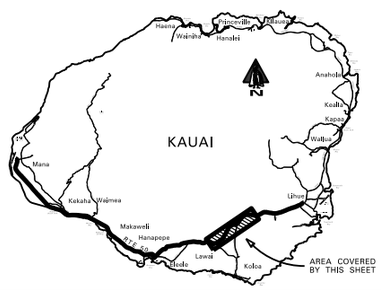
Right of Way Fence: Type – Right and Left: NONE

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

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

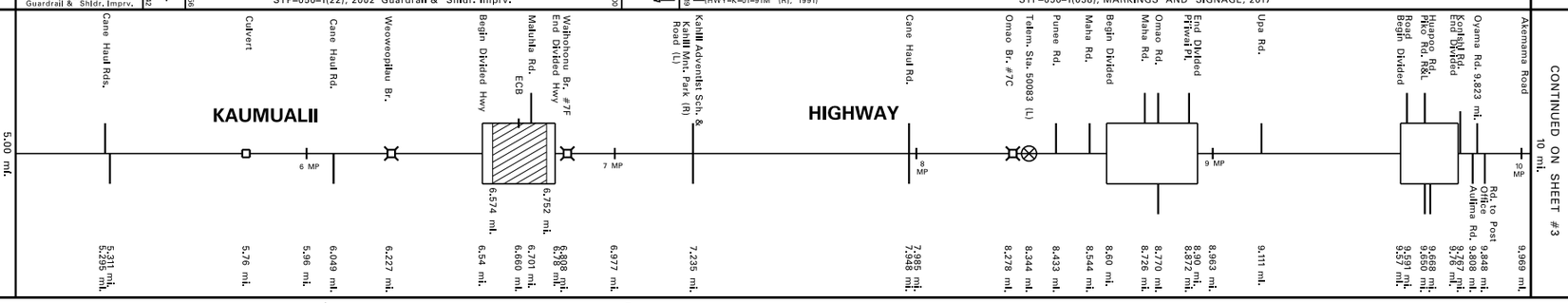
Project No., Type of Construction, and Year Constructed: (STP-050-1(24), GUARDRAIL/SHOULDER IMPRV., 2005); STP-050-1(039), PREVENTIVE MAINTENANCE, 2017

Project No., Type of Construction, and Year Constructed: STP-050-1(22), 2002 Guardrail & Shldr. Imprv.; STP-050-1(22), 2002 Guardrail & Shldr. Imprv.; (HWY-K-01-91M (R), 1991); STP-050-1(038), MARKINGS AND SIGNAGE, 2017



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: 8' AC; 4' AC; 6' AC; 3' AC; 4' AC

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

Shoulder: Width and Type: (4' AC); 8' AC; 8' AC; 4' AC; 0; 4' AC; 0; 4' AC; 0; 4' AC

Divided Highway

Median: Width and Type: CENTERLINE MILLED RUMBLE STRIP; 6'–12' Flush Grass; (0'–8' Painted AC); (6'–0' Painted AC); 0'–11' Painted AC; 0'–8' Painted AC; CENTERLINE MILLED RUMBLE STRIP

Shoulder: Width and Type: 0; 0; 0

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

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

Number of Traffic Lanes: 2–11'; 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 12' Truck Climb Lane; 13' Truck Climb Lane; Bus

(Right Side): 12' Truck Climbing Lane; Merge; Bus

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): Conc. Gutter; 4' AC Gutter

Protective Devices: Type, Location and Number: ALL METAL RAILS ON METAL POSTS

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

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

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

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

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

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B73 0050 00175; B73 0050 00669

HPMS Stations – AADT 2016: 25,100; 14,900

HPMS Stations – AADT 2015: 25,100; 14,600

HPMS Stations – AADT 2014: 23,700; 14,200

DOD Sections

Census Tracts

Functional Classification: Principal Arterial (3); Minor Arterial (4)

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

Previous Projects: Project No., Date and Limits

Previous Projects: Project No., Date and Limits: STP-050-1(22), 2002 Guardrail & Shldr. Imprv.; 50D-01-99M (R), 2000; STP-050-1(19), 1998; 50D-01-98, Accel. Ln., 2000; HWY-K-01-91M (R), 1991; 50D-01-60M, Resurf., 2002; 50CD-01-87M (R), 1987; 50 D-01-86 (GUARDRL., SHLDRS.) 1986; HWY-K-03-82 (GUARDRAILS & SHOULDER IMPROVEMENTS), 1983; 50 D-02-88M (R), 1988; 50 CD-01-75M, 1975; STP-050-1(11), R, 1993; HWY-K-01-76M (R), 1976; 50 CD-01-75M, 1975; 50-02-76, R, 1976; 50-D-03-69, 1971; D-50-01-64, 1964; K-01-72, 1972; WHF-12H, 1935-1937; 50D-01-67, 1968; NRH-12B, 1933; 50 CD-01-70, 1974; 50-01-90M, 1990; 50CD-01-75M, 1975; (50D-01-67, 1968)

(BR-F-050-1(7) (BRIDGE & APPROACH), 1990); (LT-K-02-79, 1980); (FAP 12 I, (1937))

SCALE: (In Miles) 4" = 1 mile

Date Released
Nov. 2001

Revised	
Apr. 04	D.B.
Jan. 06	D.B.
Sept 10	D.B.
Feb. 11	D.B.
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Feb. 13	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.
Jan 16	C.R.
Aug. 16	D.B.
Jan 17	E.P.J.
Feb. 18	D.B.

ROAD INVENTORY

KAUAI RTE 50
KAUMUALII HIGHWAY

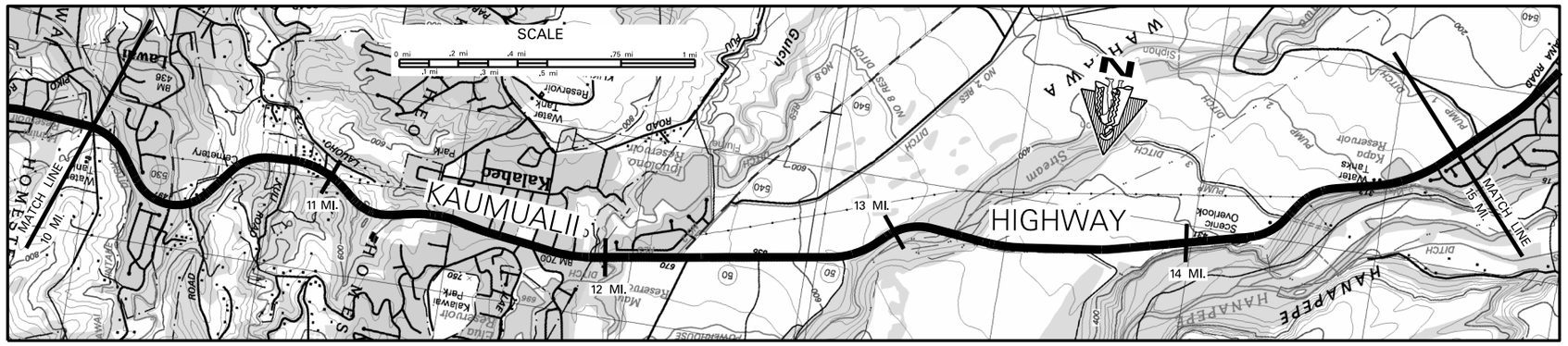
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length:	32.918	MILES (a+b)
a. Existing Length:	32.918	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	32.918	MILES (a+b, less c)
a. Existing Length:	32.918	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')
Structure Carrying Road: Vertical Clearance	10.43
Structure Carrying Road: Horizontal Clearance	60'
Structure Over Road: Vertical Clearance	
Structure Over Road: Horizontal Clearance	
Right of Way Width (min.–max.) If varies	120' 110' 80' 100' 80' 90' 120' 210' 80' 80' 120' 70' 60' 100' 60' 90' 100' 100' 60' 70' 80' 60'
Available Right of Way Width (Needs Study)	Bushes & Trees
Right of Way Fence: Type – Right and Left	(Chain Link)
Control of Access: 1–None, 2–Partial, 3–Full	NONE
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	STATE
Project No., Type of Construction, and Year Constructed	STP-050-1(039) PREVENTIVE MAINTENANCE, 2017
Project No., Type of Construction, and Year Constructed	50C-01-15M, RESURFACE, 2017

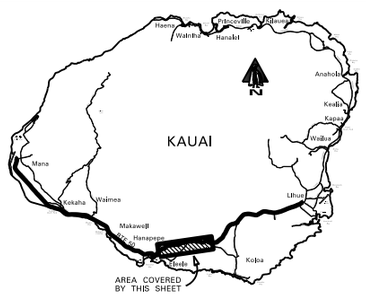
CONTINUED FROM SHEET #2

CONTINUED ON SHEET #4

Aleamama Rd. · Begin Divided · Kolo Rd. (Old Rte 530) · Lawai Br. · Wawae Rd. · .470 mi. · Kua Rd. · 10.5 MP · End Divided · Kuli Rd. · Lauoho Rd. · 11 MP · Anuhea Pl. · 11.5 MP · End Divided & Koloa Rd. · Begin Divided · Papalina Rd. · End Divided · .750 mi. · Puuwai Rd. · Opu Rd. · Begin Divided · 12 MP · Hatewili Rd. (Rte 540) · 12.276 mi. · Road to Olu Pua Gardens · End Divided · Cane Haul Rds. · 13 MP · Wahiawa Br. · Road · Hanapepe Valley Lookout · 14 MP · Road to Water Tank · Road to Water Tank · Laulea St. · Begin Divided · 15 MP

KAUMUALII HIGHWAY

10.003 mi. · 10.25 mi. · 10.425 mi. · 10.403 mi. · 10.460 mi. · 10.51 mi. · 10.58 mi. · 10.849 mi. · 10.966 mi. · 10.971 mi. · 11.245 mi. · 11.40 mi. · 11.451 mi. · 11.51 mi. · 11.68 mi. · 11.701 mi. · 11.762 mi. · 11.81 mi. · 11.968 mi. · 12.12 mi. · 12.40 mi. · 12.524 mi. · 12.969 mi. · 13.092 mi. · 13.192 mi. · 13.963 mi. · 14.10 mi. · 14.327 mi. · 14.706 mi. · 14.83 mi. · 14.928 mi. · 14.975 mi.



Road Diagram

* MP = Milepost Signage

SCALE: (In Miles) 4" = 1 mile

Divided Highway, Undivided: Shoulder: Width and Type	4' AC · 6' AC · 4' AC · 6' AC
Undivided: Pavement: Width and Type	24' AC · 12' AC · 24' AC · 12' AC · 24' AC · 12' AC · 24' AC · 12' AC · 24' AC · 12' AC
Undivided: Shoulder: Width and Type	4' AC · 0 · 4' AC · 7' AC · 0 · 7' AC · 0 · 4'–6' AC · 0 · 6' AC · 0
Divided: Median: Width and Type	CENTERLINE MILLED RUMBLE STRIP · 0–10' Painted AC · (0'–6' Painted AC) · 0'–11' Painted AC · 0'–13' Painted AC · 0'–10' Painted AC
Divided: Shoulder: Width and Type	0 · 0 · 0 · 0 · 0
Divided: Pavement: Width and Type	12' AC · 12' AC · 12' AC · 12' AC · 12' AC
Divided: Shoulder: Width and Type	4' AC · 4'–5' AC · 7' AC · 4'–8' AC · 6' AC · 6' AC
Number of Traffic Lanes	2–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	12' Truck Climbing Lane · 12' Truck Climbing Lane
(Right Side)	
Frontage Road: No. of Lanes, and Width (Right and Left)	None
Sidewalk: Width and Type (Right and Left)	
Curb and/or Gutter: Type (Right and Left)	Conc. Gutter
Protective Devices: Type, Location and Number	Metal Rails on Metal Posts
Illumination: Type, Location and Number	M.V. · M.V.
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)	B A C A C A B A C A A B A B A B A
Superelevation (Range)	
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)	A D B C D B A C D A B C
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	Small Urban (99998)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Mountainous (3) · Rolling (2) · Flat (1) · Mountainous (3) · Rolling (2)
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 Stations (Current Year)	B73 0050 00669 · B73 0050 01040 · B73 0050 01227
HPMS Sections – AADT 2016	14,900 · 18,800 · 10,400
HPMS Sections – AADT 2015	14,600 · 20,500 · 15,100
HPMS Sections – AADT 2014	14,200 · 19,800 · 14,500
DOD Sections	
Census Tracts	
Functional Classification	Minor Arterial (4)
National Highway System (NHS)	Not on NHS (0)
Previous Projects: Project No., Date and Limits	(STP-050-1(17) WIDENING 2003) · STP-050-1(24), GUARDRAIL/SHOULDER IMPROVEMENTS, 2005 · 50CD-02-00M RESURF 2002 · STP-050-1(17) WIDENING 2003 · 50C-01-01M 2004 RESURFACE · STP-050-1(9) · 50C-01-07M, (R), 2009 · 50C-01-00M (R), 2000 · 50C-02-01M (R) 2004 · STP-050-1(11) (R), 1993 · 50C-01-90M (R), 1991 · HWY-K-01-91M, 1991 · (WIDENING), 1996 · STP-050-1(9), 1995 · HWY-K-01-91M (R), 1991 · STP-050-1(12) (GUARDRAIL & SHLDR. IMPRV.), 1995 · 50C-01-87M (R), 1987 · (STP-050-1(11), R, 1993) · (50CD-01-87M (R), 1987) · HWY-K-01-87 SECTION 1 (GARDRAIL & SHLD. IMPRV.), 1987 · HWY-K-01-91M (R), 1991 · 50D-01-67, 1968 · 50 CD-01-75M, 1975 · 50D-01-67, 1968 · 50-D-02-67, 1967 · 50A-01-71, 1970 · (50CD-01-75M, 1975) · (50CD-01-70, 1974) · NRH-12B, 1933 · NRH-12C, 1935 · 50 CD-01-70, 1974 · NRH-12D, 1935 · FAP 12J, 1938

SCALE: (In Miles) 4" = 1 mile

Date Released
Nov. 2001

Revised	
Apr. 04	D.B.
Jan. 06	D.B.
Dec. 09	D.B.
Sept. 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Aug. 12	E.P.J.
June 13	D.B.
Dec. 13	E.P.J.
July 14	D.B.
Jan 16	C.R.
Aug. 16	D.B.
Jan 17	E.P.J.
Feb. 18	D.B.

ROAD INVENTORY
KAUAI RTE 50
KAUMUALII HIGHWAY

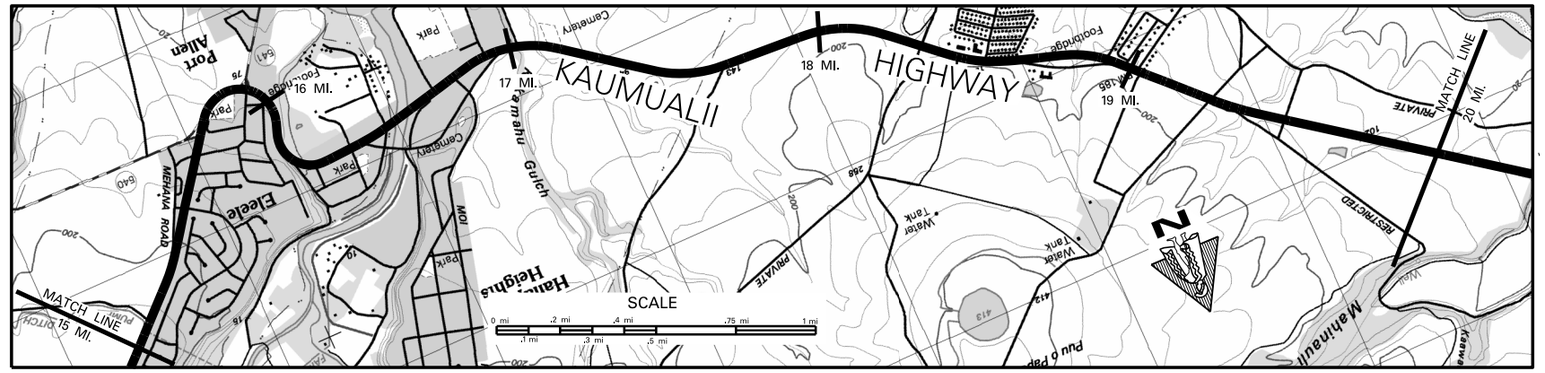
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length:	32.918	MILES (a+b)
a. Existing Length:	32.918	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	32.918	MILES (a+b, less c)
a. Existing Length:	32.918	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.)

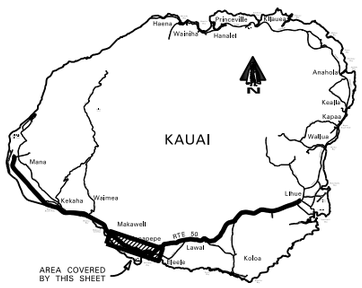
Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed	TEE BEAM 1939, H15 44'; TEE BEAM 1938, H20 277'
Vertical Clearance	16.26; 16.57
Horizontal Clearance	38'; 24'

Structure Over Road

Vertical Clearance	RC FLAT SLAB ON STEEL (PED. O.P.), 1939; RC FLAT SLAB (PED. O.P.), 1948 15'–11"; RC DECK GIRDER (RD), 1948 15'–02"
Horizontal Clearance	(90°); 31'; 40'

Right of Way Width (min.–max.) If varies	60'; 80'; 90'; 110'; 80'; 80'; 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 (HWY–K–01–07M, PAVE. MARK., 2007); (STP–050–1(14), 1998)
Project No., Type of Construction, and Year Constructed	STP–050–1(038), MARKINGS AND SIGNAGE, 2017
Project No., Type of Construction, and Year Constructed	STP–050–1(24), GUARDRAIL & SHLDR. IMPRV., 2005; 50C–03–07M, REPAVEMENT, 2013; STP–050–1(040), PREVENTIVE MAINTENANCE, 2016



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #3 — 15 mi. — KAUMUALII HIGHWAY — 20 mi. — CONTINUED ON SHEET #5

End Divided; Begin Divided; Mahea Rd.; Laukea St.; End Divided; Ulaula Rd.; Hakewill Rd.; Kaneha Rd.; Mehana Rd.; Spur; Begin Divided; End Divided; Eleele Rd.; Walaka Rd. (Rte. 541); Eleele Rd.; 16 MP; Puna Rd. (R) Road(U); Centerline Hanapepe Rd.; Hanapepe Rd.; Hanapepe Br.; Iona Rd.; Pepe Rd.; Hana Rd.; Kona Rd.; 16.50 MP; Begin Divided; Puoo Rd.; Mol Rd.; Hanapepe Rd.; Begin Divided; Culvert 16.934 mi.; End Divided; 17 MP; End Divided; Lele Rd.; Hanapepe Rd.; Begin Divided; Culvert 17.205 mi.; Kaumakani; School Rd.; Kaumakani; Village Rd.; Culvert; End Divided; Begin Divided; Pedestrian O.P.; Paved Rd.; Makaweli Ave.; Paved Rd.; Kaumakani Sch. Rd.; 19 MP; 18.931 mi.; Begin Divided; End Divided; Cane Haul Rds.; Road O.P.; Cane Haul Rd.; 18 MP; 20 MP

SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided — Shoulder: Width and Type	6' AC; 8' AC; 6'–14' AC
Undivided — Pavement: Width and Type	12' AC; 23' AC; 12' AC; 23' AC; 12' AC; 23' AC; 22' AC; 11' AC; 22' AC; 11' AC; 23' AC; 12' AC; 23' AC; 12' AC; 24' AC
Undivided — 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' AC
Median: Width and Type	(0'–10' Painted AC); 0'–9' Painted AC; 0'–10' Painted AC; 0'–10' Painted AC; (0'–40' Painted AC); MILLED CENTERLINE RUMBLE STRIP; 0'–12' Painted AC; 0'–12' AC; MILLED CENTERLINE RUMBLE STRIP
Shoulder: Width and Type	0; 0; 0; 0; 0; 0; 0
Pavement: Width and Type	11' AC; 11' AC; 11' AC; 11' AC; 11' AC; 11' AC
Shoulder: Width and Type	6' AC; 6' AC; 6' AC; 6'–14' AC; 6'–14' AC; 9' AC

Number of Traffic Lanes	1–12' 1–11'; 2–11'; 1–12' 1–11'; 2–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	Bus
(Right Side)	12'; Bus
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; Conc.; Conc. Curb
Protective Devices: Type, Location and Number	All Metal w/ Metal
Illumination: Type, Location and Number	M.V.
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)	A; D; A; A; B; A
Superelevation (Range)	
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)	C; B; A B A; B; D; B; C; B; A; B; A; B; C; B
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	Small Urban (99998); Rural (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Rolling (2)
Speed: 1–Design, 2–Posted	35 MPH (2); 45 MPH (2); 50 MPH (2); 45 MPH (2); 35 MPH (2); 45 MPH (2); 50 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	4 PHASE
Traffic Stations (Current Year)	B73 0050 01227; B73 0050 01569; B73 0050 01592; B73 0050 01702; B73 0050 01853
HPMS Sections – AADT 2016	10,400; 15,900; 17,200; 11,200; 11,100
HPMS Sections – AADT 2015	15,100; 16,900; 15,800; 11,200; 10,700
HPMS Sections – AADT 2014	14,500; 15,900; 17,800; 12,300; N/A
DOD Sections	
Census Tracts	
Functional Classification	Minor Arterial (4)
National Highway System (NHS)	Not on NHS (0)
Previous Projects: Project No., Date and Limits	STP–050–1(24), GUARDRAIL & SHLDR. IMPRV., 2005; 50C–02–01M (R) 2004; STP–050–1(10), 1993; (HWY–K–01–07M, PAVE. MARK., 2007); (STP–050–1(14), 1998); (HWY–K–02–98 (IMPRV.), 2000); STP–050–1(12) (GUARDRAILS & SHLDR. IMPRV.), 1995; STP–050–1(18), 1997; 50C–01–90M (R), 1991; 50B–02–93M (FOG SEALING), 1994; (HWY–K–01–77M (R), 1977); 50B–01–74, 1974); 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; 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.
Feb. 08	D.B.
Dec. 09	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.
Jan 16	C.R.
Aug. 16	D.B.
Feb. 18	D.B.

ROAD INVENTORY
KAUAI RTE 50
KAUMUALII HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length:	32.918	MILES (a+b)
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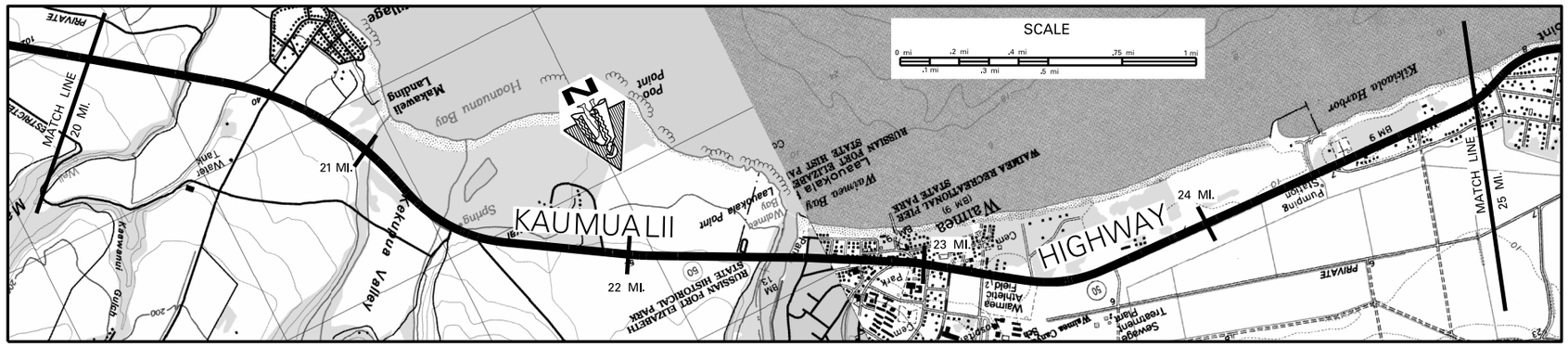
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	32.918	MILES (a+b, less c)
a. Existing Length:	32.918	MILES
b. Temporary Length:	0.00	MILES
c. Length used as T.W. for another Route:	0.00	MILES (–)

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.)

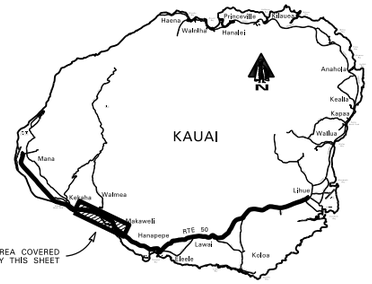
Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed	TEE BEAM 1948, H20 115' (20.36, 20.64)	TEE BEAM 1948, H20 50' (21.03)	TEE BEAM 1948, H20 75' (21.35)	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' (20.41) 80' (20.64) 120' (20.76) 100' (20.90) 80 (20.96) 90' (21.50) 80'
Available Right of Way Width (Needs Study)	Sugar Cane; Trees + Bushes (21.50); Sugar Cane; Residential/Commercial (22.36); Residential; Ranch/Pasture (L), Sugar Cane (R) (24.01); Trees & Bushes; (Residential (R) Beach (L))
Right of Way Fence: Type – Right and Left	W/W 20' (21.00); W/W 20' (21.26); WW / WOOD / WW
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(038), MARKINGS AND SIGNAGE, 2017
Project No., Type of Construction, and Year Constructed	STP–050–1(040), PREVENTIVE MAINTENANCE, 2016; 50B–01–15M, RESURFACE, 2017; STP–050–1(041), PREVENTIVE MAINTENANCE, 2016



Road Diagram
* MP = Milepost Signage

CONTINUED FROM PAGE #4

20 mi. | Makaweli Flume (O.P.) | Mahinauli Br. | Makaweli Post Office Begin Divided | End Divided | Paved Road 20.626 mi. | Road to Makaweli Landing | Cane Haul Rd. 20.832 mi. | 21 MP | Aakukui Br. | KAUMUALII | Cane Haul Rd. | Cane Haul Rd. | Mahaikona Br. | Cane Haul Rd. | Gay & Robinson Plantation Rd. | Cane Haul Rd. | 22 MP | HIGHWAY | Waimea Bay Recreational Parking Lot Telem. Sta. 50223 | Road | Alawai Rd. | Panako Rd. | Menehune Rd. | Hakipuu Rd. | Moana Rd. | Ola Rd. | Poloke Rd. | 23 MP | Makeke Rd. | Waimea Canyon Dr. (Rte 550) | Waimea Canyon Road (L) | Hauikai Rd. (L) Driveway (R) | Waimea Plantation Cottages | Kikiaola Ranch | Cane Haul Rd. | 24 MP | Kikiaola Harbor Rd. | Culvert | Kekaha Rd. | Kekaha Rd. | Begin Divided | End Divided | Kikiaola Place | Mamo Rd. | 25 MP | 25 mi.

20.275 mi. | 20.336 mi. | 20.53 mi. | 20.72 mi. | 20.966 mi. | 21.025 mi. | 21.351 mi. | 21.408 mi. | 21.507 mi. | 21.824 mi. | 21.915 mi. | 22.013 mi. | 22.289 mi. | 22.391 mi. | 22.476 mi. | 22.472 mi. | 22.598 mi. | 22.691 mi. | 22.844 mi. | 22.892 mi. | 22.957 mi. | 22.942 mi. | 23.019 mi. | 23.083 mi. | 23.138 mi. | 23.205 mi. | 23.206 mi. | 23.342 mi. | 23.663 mi. | 23.739 mi. | 23.880 mi. | 24.402 mi. | 24.412 mi. | 24.503 mi. | 24.475 mi. | 24.608 mi. | 24.55 mi. | 24.687 mi. | 24.794 mi. | 24.941 mi.

CONTINUED ON PAGE #6

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type	6'–14' AC; 0 (22.44); 8' AC (23.08); (6' AC) (23.21); 4' AC
Pavement: Width and Type	24' AC; 12' AC; 24' AC; 23' AC; 22' AC; 11' AC; 22' AC
Shoulder: Width and Type	6' AC; 0; 6' AC; 0; 4' AC; 0; 4' AC
Median: Width and Type	MILLED CENTERLINE RUMBLE STRIP (.53); 0'–9' Painted AC (.72); MILLED CENTERLINE RUMBLE STRIP (20.74, 22.37); MILLED CENTERLINE RUMBLE STRIP (23.44); 0'–13' Painted AC (.55, .67)
Shoulder: Width and Type	0
Pavement: Width and Type	12' AC
Shoulder: Width and Type	6' AC

Number of Traffic Lanes	2–12'; 1–12' (.30); 1–11' (.35); 2–11'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	12' (.676, .726)
(Right Side)	12' (.676, .726); 8' Parking Lanes (.619, .674); 8' Parking Lanes (.619, .674); 13' (.659, .689); 13' (.659, .689); 13' (.659, .689); 9' (.269, .319); 9' (.269, .319); Bus (.269, .342); 11' (.650, .692); 11' (.650, .692)
Frontage Road: No. of Lanes, and Width (Right and Left)	None
Sidewalk: Width and Type (Right and Left)	3' Conc. (.464, .259); 4' Conc. (.202, .259)
Curb and/or Gutter: Type (Right and Left)	Conc. Curb (.786, .259); Conc. Curb (.464, .786); Conc. Curb (.249); Conc. Curb (.071); (Conc. Curb + 2' Conc. Gutter); (Conc. Curb + 2' Conc. Gutter); Conc. Curb (.399, .447)
Protective Devices: Type, Location and Number	ALL GUARDRAILS METAL ON METAL
Illumination: Type, Location and Number	(1) M.V. (.026, .258, .517, 20.66, .594, .071, .659, .667, .811, .039, 2.00, 22.59, 22.96, 23.35, .365, .419, 24.54, 24.96)
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)	A; B
Superelevation (Range)	
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)	B (20.36) A (20.51) B (20.81) A (21.35) B (22.38) C (22.57) B (22.66) A
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	Rural (99999); Small Urban (99998)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Rolling (2); Flat (1)
Speed: 1–Design, 2–Posted	50 MPH (2); 45 MPH (2) (20.53); 45 MPH (2); 35 MPH (2) (20.67); 50 MPH (2); 35 MPH (2) (22.47); 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 Stations (Current Year)	B73 0050 01853; B73 0050 02247; B73 0050 02308; B73 0050 02447
HPMS Sections – AADT 2016	11,100; 11,600; 9,000; 6,700
HPMS Sections – AADT 2015	10,700; 11,600; 9,811; 7,000
HPMS Sections – AADT 2014	N/A; 11,200; 9,600
DOD Sections	
Census Tracts	
Functional Classification	Minor Arterial (4)
National Highway System (NHS)	Not on NHS (0)
Previous Projects: Project No., Date and Limits	STP–050–1(040), PREVENTIVE MAINTENANCE, 2016; 50B–01–06M, REHABILITATION, 2014; STP–050–1(25), GUARDRAIL/SHOULDER IMPR., 2005; [HWY–K–02–98 (IMPRV.) 2000] 20.54 – 20.70; STP–050–1(18), 1997; STP–050–1(12) (GUARDRL. & SHLDR. IMPRV.), 1995; 50B–01–00M, Resurf., 2003; STP–050–1(12) (GUARDRL. & SHLDR. IMPRV.), 1995; 50B–01–67, 1967; (F–050–1(1), 1957); STP–050–1(10) (R), 1993; BD 66–341 (R) 1967; BD 66–341 (R), 1967; 50B–02–03M (FOG SEALING), 1994; 20.36 (HES–060–03) (SHLDR.& GUARDRAIL IMPRV.), 1990; 50B–01–92M (R), 1992; STP–050–1(13) (R), 1995; 50B–01–86M (R), 1986; HWY–K–01–78M (R), 1978; LT–K–03–80M (R), 1980; FAP–F29(4), 1946; FAP 29 A(1), 1938; FAP 29 D(1), 1940; 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.
Sept. 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.
Jan 16	C.R.
Aug. 16	D.B.
Feb. 18	D.B.

ROAD INVENTORY

KAUAI RTE 50
KAUMUALII HIGHWAY

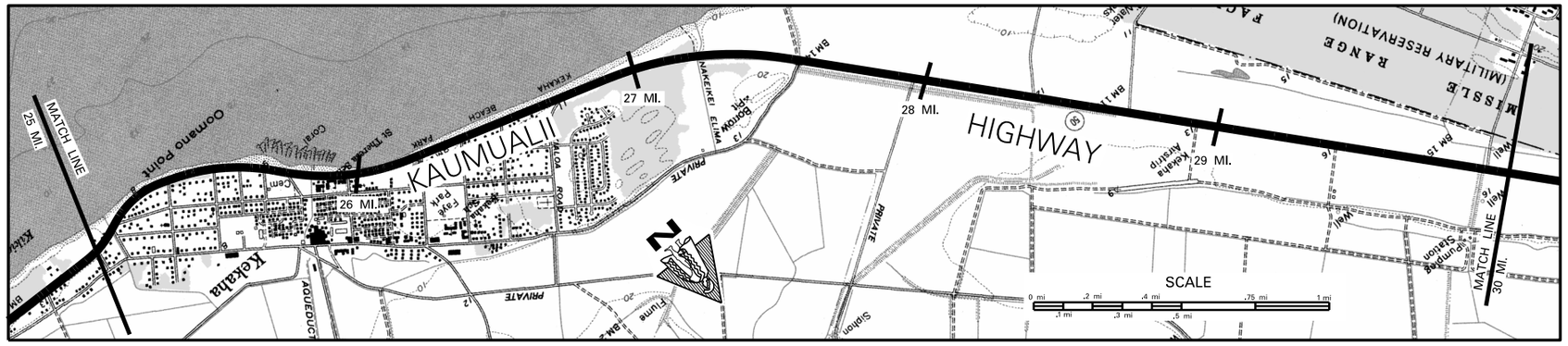
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length:	32.918	MILES (a+b)
a. Existing Length:	32.918	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	32.918	MILES (a+b, less c)
a. Existing Length:	32.918	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 A (8.45 MI.)

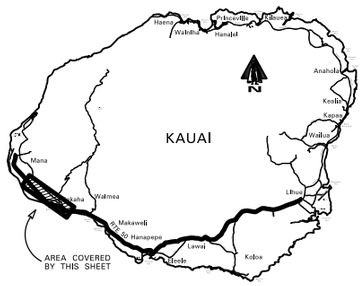
Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed	RC CONT. FLAT SLAB (CNL) HS–20, 1957 68' (22.22); RC FLAT SLAB (CNL) 1957 33' (27.57)
Vertical Clearance	
Horizontal Clearance	42'; 42'

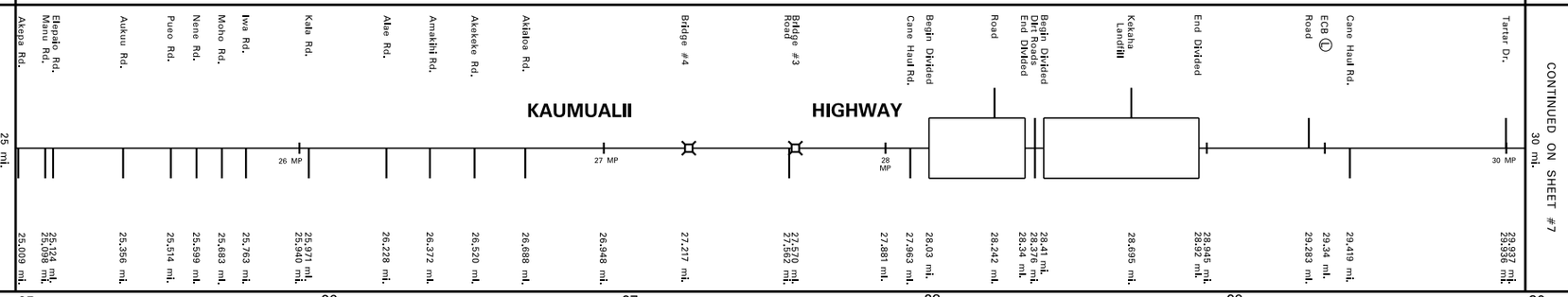
Structure Over Road

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) (26.81); 1000' Clear (Bushes & Sugar Cane 20' F.E.P.)
Right of Way Fence: Type – Right and Left	Wood 25' FEP (25.29, 25.37); WW 50' FEP (28.01, 28.29); WW 50' FEP (28.01, 28.71); WW 75' FEP (28.86)
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(038), MARKINGS AND SIGNAGE, 2017
Project No., Type of Construction, and Year Constructed	STP–050–1(041), PREVENTIVE MAINTENANCE, 2016



Road Diagram
MP = Milepost Signage



SCALE: (In Miles) 4" = 1 mile

Divided Highway

Undivided — Shoulder: Width and Type	4' AC (25.09); 20' AC (25.36); (4' AC) (25.51); 5' AC; (34' AC) (27.56); 4' AC; (26.81); 6' AC
Undivided — Pavement: Width and Type	22' AC; 11' AC; (22' AC) 11' AC; 22' AC
Undivided — Shoulder: Width and Type	4' AC (26.03); 6' AC; 0; (6' AC) 0; 6' AC
Median: Width and Type	MILLED CENTERLINE RUMBLE STRIP (25.54, 27.07); 0'–11' Painted AC (.03, .34); 0'–18' Painted AC (.41, .02); MILLED CENTERLINE RUMBLE STRIP
Shoulder: Width and Type	0; 0
Pavement: Width and Type	11' AC; 11' AC
Shoulder: Width and Type	6' AC; 6' AC

Number of Traffic Lanes	2–11'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	.642, .699, .781; .380, .288, .396; 11' 11'
(Right Side)	.564; 13' 13' .271; .496; 10' (27.963, 27.924); 11' (28.124, 28.242)
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)	.088, .317; .242, .201; .569, .569; None
Protective Devices: Type, Location and Number — ALL GUARDRAILS METAL ON METAL	.25.51, .25.69; .28.63, .28.71
Illumination: Type, Location and Number	M.V. (.000, .079); (25.55, 25.69); (M.V.); (26.01, 26.206); M.V. (26.27, .248); (.538, .594)
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)	B (.000, .079); A (25.11, 25.36); B (25.36); A
Superelevation (Range)	
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)	A
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	Small Urban (99998) (27.21); Rural (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Flat (1)
Speed: 1–Design, 2–Posted	35 MPH (2) (26.14, 26.78); 50 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	None
Traffic Stations (Current Year)	B73 0050 02447; B73 0050 02668; (B73 0050 02993)
HPMS Sections – AADT 2016	6,700; 3,400; (2,500)
HPMS Sections – AADT 2015	7,000 (26.68); 3,699; (2,900) (29.93)
HPMS Sections – AADT 2014	9,600 (25.68); 1,200; 470
DOD Sections	
Census Tracts	
Functional Classification	Minor Arterial (4)
National Highway System (NHS)	Not on NHS (0)
Previous Projects: Project No., Date and Limits	(F–050–1(1), 1957) (BD 66–341 (R), 1967); STP–050–1(25), GUARDRAIL AND SHOULDER IMPROVEMENTS, 2005 (28.37, 28.92); 50AB–01–08M, Pav't Marking, 2009; ER–10(2) (STORM DAMAGE RECONSTRUCTION), 1984 (25.11, 27.26); ER–11(2), 1997 (25.06, 25.34); (F–050–1(1), 1957) (25.78, 25.84); 50E–03–68 (R), 1968 (26.46, 27.08); HWY–K–01–82M (R), 1968; STP–050–1(12) (GUARDRL. & SHLDR. IMPRV.), 1995; STP–050–1(13) (R), 1995; BD 66–341 (R), 1967 (26.23); (F–050–1(1), 1957); 50E–03–68 (R), 1968; 28.42; 50A–01–89M (R), 1990; LT–K–03–80M (R), 1980 (25.87); 50E–03–68 (R), 1968 (26.46, 27.21); 27.26; LT–K–03–80M (R), 1980; 50 E–03–68 (R), 1968 (27.59, 28.30); DAWR 1, 1942 – 1944 (27.22); DAWR 1, 1942 – 1944

SCALE: (In Miles) 4" = 1 mile

Date Released	
Nov. 2001	
Revised	
Jan. 06	D.B.
Sept. 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.
Jan 16	C.R.
Aug. 16	D.B.
Feb. 18	D.B.

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

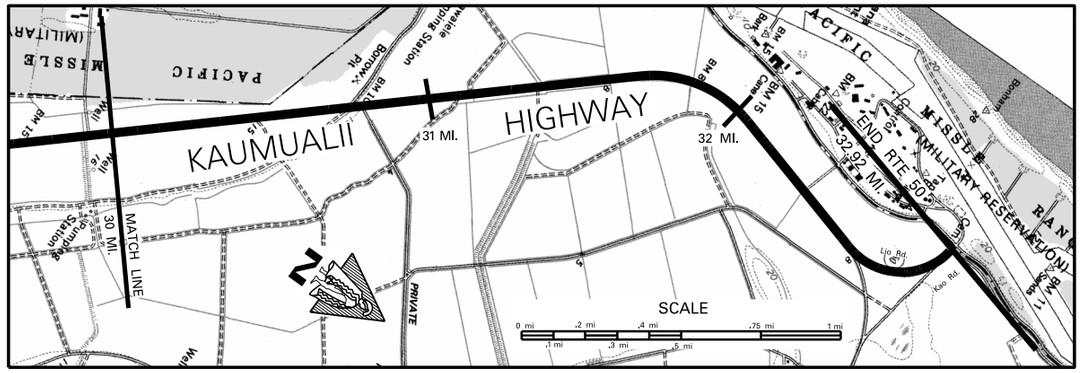
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length:	32.918	MILES (a+b)
a. Existing Length:	32.918	MILES
b. Proposed Length:	0.00	MILES
Total Travel Way Length:	32.918	MILES (a+b, less c)
a. Existing Length:	32.918	MILES
b. Temporary Length:	0.00	MILES
c. Length used as T.W. for another Route:	0.00	MILES (–)

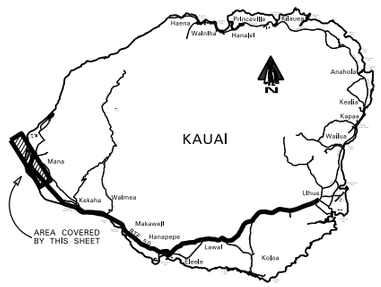
NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



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); RC FLAT SLAB (CNL) HS–20, 1957 41' (31.57)
Structure Carrying Road: Vertical Clearance	
Structure Carrying Road: Horizontal Clearance	42' ; 42'
Structure Over Road: Vertical Clearance	
Structure Over 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 (0+00)
Project No., Type of Construction, and Year Constructed	STP–050–1(038), MARKINGS AND SIGNAGE, 2017 (133+00)
Project No., Type of Construction, and Year Constructed	STP–050–1(041), PREVENTIVE MAINENANCE, 2016 (30.96); STP–050–1(25), (GUARDRL. & SHLDR. IMPRV.), 2005 (31.60); 50A–01–02M 2004 RESURFACE



Road Diagram

* MP = Milepost Signage

CONTINUED FROM SHEET #6

30 mi.

Cane Haul Rd. 30.747 mi.; Kila Rd. 30.795 mi.; Bridge #2 30.946 mi.; Bridge #1 31.142 mi.; Imiloa Rd. 31.570 mi.; ECB 31.990 mi.; Hwy Spur 32.323 mi.; Kao Rd. 32.428 mi.; 32.571 mi.; 32.918 mi. 32.868 mi.

KAUMUALII HIGHWAY — 31 MP — 32 MP — 32.97 MP — LIO RD. — KAO RD.

* 32.918 mi.

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '15 VIDEOLOG & '15 FEATURES DATABASE.
END RTE 50 ON KAO ROAD AT THE NORTH ENTRANCE GATE OF THE PACIFIC MISSLE RANGE FACILITY.

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; 57 20'–22' AC
Divided Highway – Undivided: Shoulder: Width and Type	6' AC
Divided Highway: Median: Width and Type	MILLED CENTERLINE RUMBLE STRIP (30.95)
Divided Highway: Shoulder: Width and Type	
Divided Highway: Pavement: Width and Type	
Divided Highway: Shoulder: Width and Type	
Number of Traffic Lanes	2–11'; 57 2–(10'–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; .175 .141; .169 .119; .569 .562; .581 .549; .535 .511; .530 .506; 32.425 32.375; 32.475 32.425
Protective Devices: Type, Location and Number	ALL GUARDRAILS METAL ON METAL
Illumination: Type, Location and Number	NONE
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)	A; B; 32.75 A
Superelevation (Range)	
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)	A
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	Rural (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Flat (1)
Speed: 1–Design, 2–Posted	50 MPH (2); 32.22 32.32; 35 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	NONE
Traffic Stations (Current Year)	B73 0050 02993; B73 0050 03074
HPMS Sections – AADT 2016	2,500; 510
HPMS Sections – AADT 2015	2,900; 30.74; 480
HPMS Sections – AADT 2014	470; 32.25; 8,900
DOD Sections	
Census Tracts	
Functional Classification	Minor Arterial (4)
National Highway System (NHS)	Not on NHS (0)
Previous Projects: Project No., Date and Limits	STP–050–1(25), (GUARDRL.& SHLDR. IMPRV.), 2005 (31.60); STP–050–1(12) (GUARDRL.& SHLDR. IMPRV.), 1995 (30.94); 50A–01–02M 2004 RESURFACE; STP–050–1(12) (GUARDRL.& SHLDR. IMPRV.), 1995; 50A–01–89M (R), 1990; DAWR 1, 1942 – 1944 (31.17) (F–050–1(1), 1957) (31.18) (31.61) (31.60); 50A–02–70 (R), 1970 (F–050–1(1), 1957) (32.54) (32.55)

SCALE: (In Miles) 4" = 1 mile

30 | 31 | 32 | 33 | 34 | 35

Date Released	
Nov. 2001	
Revised	
Jan. 06	D.B.
Sept. 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.
Jan 16	C.R.
Aug. 16	D.B.
Feb. 18	D.B.

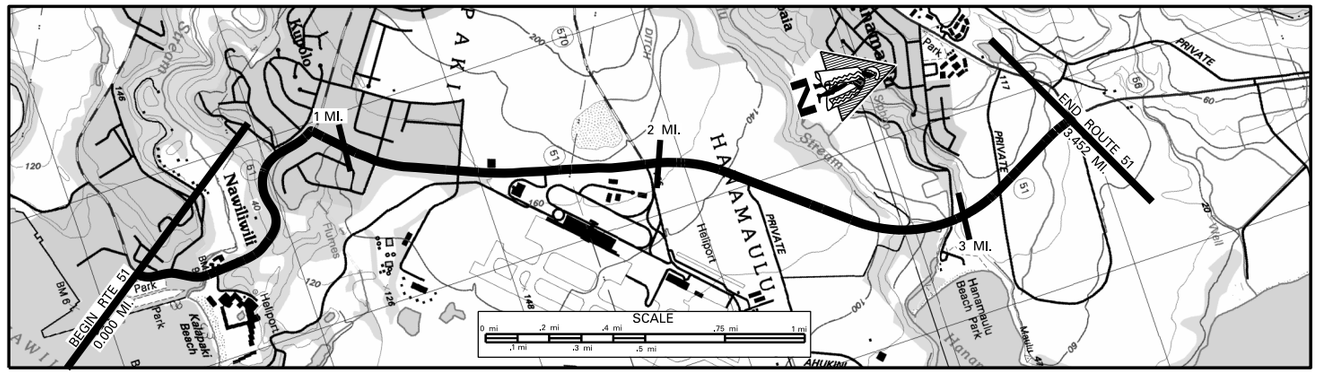
ROAD INVENTORY
KAUAI RTE 51
WAAPA RD., RICE ST., KAUAI VETERANS MEMORIAL HWY., KAPULE HWY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 3.452 miles
- a. Survey Length: 3.452 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)

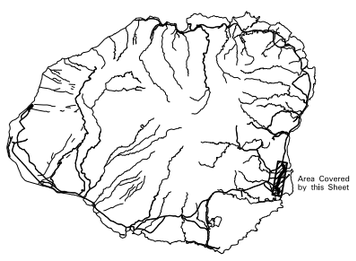
Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed	SS-CONC. TEE 1933 H-15 (50') (0.21); PRESTRESSED CONC. GIRDER, 1988 HS-20-40 (1140') (2.78)
Vertical Clearance	
Horizontal Clearance	(24'); (40')

Structure Over Road

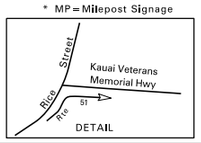
Vertical Clearance	
Horizontal Clearance	

Right of Way Width (min.-max.) If varies	80' (0.11), 50' (0.35), 60' (0.60), 70' (0.66), 60' (0.77), 50', 100' (3.18), 160' (3.27), 150'-155' (3.49), 180' (3.89), 190' (3.15), 120'-165' (2.81), 205'-285' (2.86), 120'-195' (3.02), 180'-210' (3.15), 150'-165'
Available Right of Way Width (Needs Study)	Res./Comm. (0.56), Trees & Bushes (0.93), Res./Comm. (1.77)
Right of Way Fence: Type - Right and Left	Wire (1.48) (1.52)
Control of Access: 1-None, 2-Partial, 3-Full	None
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	State (66+00) (134+38)
Project No., Type of Construction, and Year Constructed	NH-051-1(10), R, 2002 (0.00); STP-051-1(9), Imprv., 2000 (1.01); STP-051-1(20), Imprv., 2000 (1.20); NH-051-1(011), RESURFACE, 2014 (2.13) (3.43)
Project No., Type of Construction, and Year Constructed	STP-0700(38), 1998 (0.43) (0.72); 51B-01-92M, (R) 1993 (0.84) (1.50); DP-F-051-1(3), 1975 (1.74); 570A-01-15M, 2017 (1.95)



Road Diagram

* MP = Milepost Signage



Begin Rte 51 on Waapa Road at the Center Line with Nawiliwili Road Intersection, (Rte 58) — 0.000 mi.

End Rte 51 on Kapule Hwy at the South East Edge of Pavement of Kuhio Highway (Rte 56). 3.452 mi.

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

Waapa Rd. (0.086 mi.) — Rice St. — Kauai Veterans Memorial Hwy — Kapule Hwy

End Divided; End Divided & Rd. to Kauai Marine; Begin Divided; Kalapaki Rd.; Nawiliwili Br.; Parking Area (R); Driveway (R); Lala Rd. (L); Begin Divided; End Divided; Takino Sta. 51007; Mokoi St.; Begin Divided; End Divided; Rice St.; Begin Divided; Halau St.; End Divided; Nihiiti Point St. (R); Road to Vidinha Stadium (L); Kauai Vet. Center; Begin Divided; Kaana St.; Cane Haul Rd.; Anukini Rd. (Rte 570); End Divided; Cane Haul Rd.; Hanamaulu Viaduct; Begin Divided

0.248 mi. 0.202 mi. 0.184 mi. 0.329 mi. 0.374 mi. 0.810 mi. 0.879 mi. 0.914 mi. 0.379 mi. 1.011 mi. 1.099 mi. 1.209 mi. 1.361 mi. 1.460 mi. 1.521 mi. 1.635 mi. 1.764 mi. 1.970 mi. 1.952 mi. 2.218 mi. 2.288 mi. 2.471 mi. 2.787 mi. 3.037 mi. 3.006 mi. 3.235 mi. 3.235 mi.

Divided Highway

Undivided — Shoulder: Width and Type	8' AC; 4'-6' Grs.; 4'-6' AC; 2' AC/ 4' Grass; 10' AC; 10' PCC; 8' PCC; 8' AC; 8' UTW; 8' PCC; 8' UTW; (8' AC)
Pavement: Width and Type	(23'/24' AC) (11'/12' AC); 11'/12' AC; 23'/24' AC; (11'-12' AC); 23'/24' AC; 11'/12' AC; 23'/24' AC; 11'/12' AC; 11'/12' PCC; 23'/24' PCC; 11'/12' PCC; 12' PCC; 12' AC; (12' UTW); 24' UTW; 24' PCC; 24' UTW; 12' UTW; (12' AC)
Shoulder: Width and Type	8' AC; 0; 8' AC; 0; 2'-4' AC; 0; 9' AC; 0; 8'-10' PCC; 0; 8' UTW; 8' PCC; 8' UTW; 0
Median: Width and Type	(0'-13' Paint); 0'-9' Paint; (0'-11' Paint); (0'-10' Painted AC); 0'-9' Painted; 0'-12' Painted PCC; 0'-27' Painted AC; (0'-18' Painted UTW); 0'-8' Painted UTW; (0'-8' Painted AC)
Median Barriers:	AC; PCC
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' PCC; 12' PCC; 12' AC; (12' UTW); 12' UTW; (12' AC)
Shoulder: Width and Type	8' AC; 8'-10' AC; (4'-8' AC); 8' AC; 10' AC; 10' PCC; 8'-10' PCC; 8'-10' AC; (8' UTW); 8' UTW; (8' AC)

Number of Traffic Lanes	1-11'/12'; 1-12'; 2-12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	10'; 12'; 10'; 12'; 10'; 12'; 10'; 12'; 12'
(Right Side)	12'; 12' Truck Climb Lane; 10'; 12'; 12'; 12'; 18'; AUX LANE; 12'; 12'
Frontage Road: No. of Lanes, and Width (Right and Left)	None
Sidewalk: Width and Type (Right and Left)	(6' Conc.); 5' Conc.
Curb and/or Gutter: Type (Right and Left)	(Conc. Curb); BP Curb; Conc. Gutter; (Curb); (Conc. Curb); AC Curb; Conc. Curb; 8' Conc. Gutter; Conc. Curb; (8' Conc. Gutter); (AC Curb)
Protective Devices: Type, Location and Number	Metal Rails on Metal Posts; (Metal Wire on Metal Posts)
Illumination: Type, Location and Number	M.V.; Inc.; Inc.; M.V.; M.V.
Curves Class: +/- Degree (A(0-3.45) B(3.45-5.44) C(5.44-8.48) D(8.48-13.85) E(13.85-28.62) F(<28.62)	D C A C A C D A D A; A
Superelevation (Range)	
Grades Class: +/- % (A(0-.45) B(.45-2.45) C(2.45-4.45) D(4.45-6.45) E(6.45-8.45) F(<8.45)	A; D; B
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	Small Urban (999/98)
Terrain: 1-Flat, 2-Rolling, 3-Mountainous	Flat (1); Mountainous (3); Flat (1)
Speed: 1-Design, 2-Posted	(Not Posted) 25 MPH (2); 35 MPH (2); 40 MPH (2); 35 MPH (2); MS2012 (-) side 50 MPH (2); 35 MPH(2); (Not Posted)
Intersection Control Devices: Type, Location and Cycle Timing	Stop Sign; 4 Phase; Traffic Light; 4 Phase; 2 Phase
Traffic Stations (Current Year)	B73 0051 00000; B73 0051 00088; B73 0051 00196
HPMS Sections - AADT 2016	13,400; 12,800; 17,800
HPMS Sections - AADT 2015	14,100; 15,700; 20,700
HPMS Sections - AADT 2014	15,200; 22,200; N/A
DOD Sections	
Census Tracts	
Functional Classification	Principal Arterial (3)
National Highway System (NHS)	On NHS (1)
Previous Projects: Project No., Date and Limits	(STP-058-1(2), Realign, 1993); (50E-05-69, 1969, Resurf. & Truck Climb); 51A-01-98M, (R) 1988; County; FAP E-12-A, 1932; 50E-05-69, 1969; (FAP-E-12-A, 1932); DP-F-051-1(3), 1975; DP-F-051-1(3), 1974; F-051(7), 1988; 51B-01-00M, 2001, Imprv.; F-015-1(7), 1988; F-051-1(8), 1988; F-051-1(7), 1988

SCALE: (In Miles) 4" = 1 mile

Date Released
April 04, D.B.

Revised	
Sept. 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Feb. 13	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.
Jan 16	C.R.
Aug. 16	D.B.
Feb. 18	D.B.

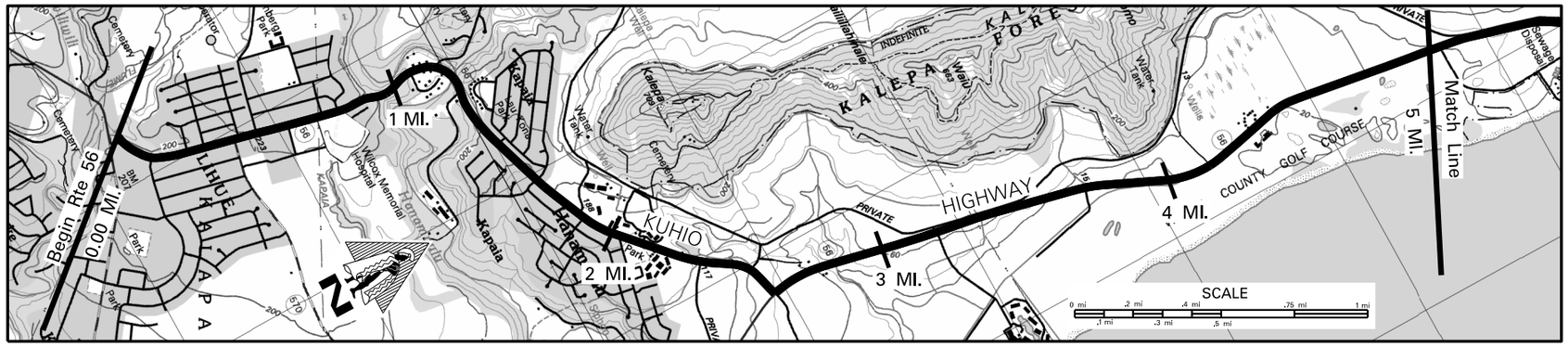
ROAD INVENTORY

KAUAI RTE 56
KUHIO HIGHWAY

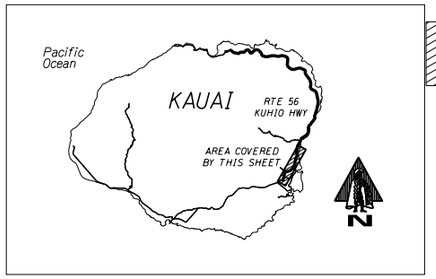
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Designated Route Length: 28.119 MILES (a+b)
a. Existing Length: 28.119 MILES
b. Proposed Length: None MILES
Total Travel Way Length: 28.119 MILES (a+b, less c)
a. Existing Length: 28.119 MILES
b. Temporary Length: None MILES
c. Length used as T.W. for another Route: None MILES (–)
NEEDS STUDY ROUTE NO. ______ FUNCTIONAL CLASSIFICATION ______



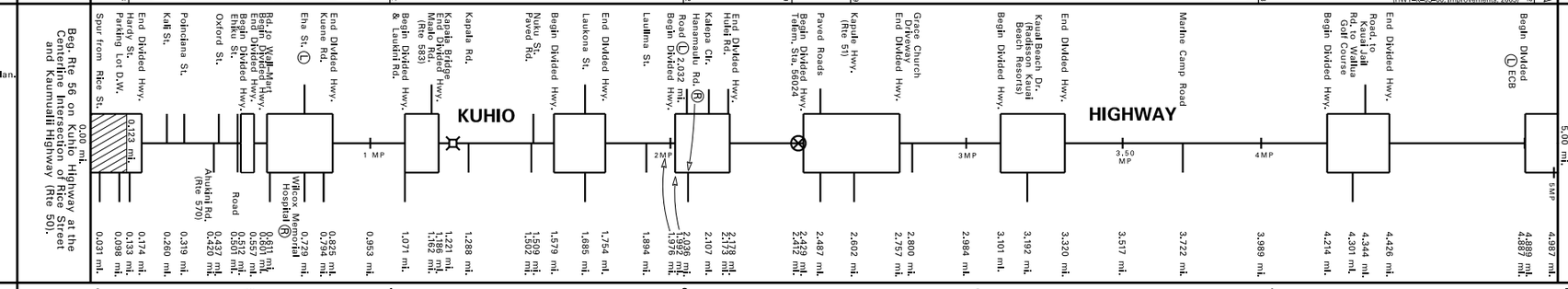
SCALE: (In Miles) 4" = 1 mile	0 / 1 / 2 / 3 / 4 / 5
Maintenance Control Sections : Length and Description	0.00 ← Begin 56A on Kuhio Hwy at the Centerline Intersection with Kaumualii Hwy and Rice St. / 56A (9.86 MI.)
Structure Carrying Road – Bridges (Over 20'): Length, Type, Capacity and Year Constructed	Tee Beam (STR) 1933 H15 / 157'
Structure Carrying Road – Vertical Clearance	1.22
Structure Carrying Road – Horizontal Clearance	27'
Structure Over Road – Vertical Clearance	
Structure Over Road – Horizontal Clearance	
Right of Way Width (min.–max.) if varies	85' / 0.14 / 50' / 0.92 / 70' / 0.98 / 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)	(56A–01–04M, RESURF., 2005) / 133+47.30 / 139+00 / 144+50 / 223+82.59 / State / 250+00 / 250+00
Project No., Type of Construction, and Year Constructed	(50E–01–98, 2001 (REALIGNMENT)) → 0.12 / 56A–01–00M 2004 RESURFACE / 0.80 / 0.91 / 1.01 / 56A–01–04M, RESURF., 2005 / 2.42 / HSIP–056–1(54) INTER. IMPRV. 2014 / 2.80 / 2.98 / HSIP–056–1(53), 2012, SAFETY IMPROVEMENTS / 352+98
Project No., Type of Construction, and Year Constructed	0.13 / 97+75.91 / 56A–01–13M,(R),2015 / 144+50 / 1.02 / 2.02 / 56A–01–90M (R) 1991 / 2.39 / F–051–1(7) 1988 / 2.59 / STP–056–(41) (R) 1999 / 303+55 / 3.98 / STP–0700(58), GUARDRAILS, 2008 / (HWY–K–03–00, Improvements, 2003) / 4.92



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP=Milepost Signage



Continued on Sheet #2

SCALE: (In Miles) 4" = 1 mile	0 / 1 / 2 / 3 / 4 / 5
Undivided – Shoulder: Width and Type	2'–8' AC / 0.10 / 0' / (20' AC) / (40' AC) / 2' AC / 0.78 / 2'–5' AC / 1.16 / 4' AC / 1.82 / 6'–10' AC / 2.17 / 4' AC / 2.40 / 6'–8' AC / 2.79 / 40' AC / 2.87 / 6' AC
Undivided – Pavement: Width and Type	24' AC / (20' AC) / 40' AC / 20' AC / 30' AC / .000 / 22' AC / 11' AC / 22' AC / 11' AC / 22' AC / 11' AC / 22' AC / 12' AC / .602 / 10' AC / 30'/31' AC / 10' AC / 30'/31' AC / 10' AC / 30'/31' AC / 12' AC
Undivided – Shoulder: Width and Type	0' / 0.14 / 0' / 0' / 0' / 0' / 0' / 1.03 / 4' AC / 0' / 2'–4' AC / 1.52 / 4' AC / 0' / 7' AC / 0' / 4' AC / 2.38 / 0' / (8' AC) / 2.80 / 6' AC / 2.98 / 0' / 6' AC / 0' / 6' AC / 0'
Divided Highway – Median: Width and Type	6' Raised Conc. / .123 / .174 / 0'–13' Painted AC / (0'–10' Painted AC) / 0.51 / .557 / .601 / 0'–13' Painted AC / .825 / .071 / 0'–11' Painted AC / .186 / .579 / 0'–12' Painted AC / .754 / .992 / 0'–10' Painted AC / .178 / (8'–10' AC) / .429 / 0'–6' Painted AC / .757 / (Milled C/L Rumble Strip) / .101 / 0'–7' Painted AC / .320 / Milled C/L Rumble Strip / .214 / 0'–10' Painted AC / .426 / Milled C/L Rumble Strip / .889 / 0'–18' Painted AC
Divided Highway – Shoulder: Width and Type	0' / 0' / 0' / 0' / 0' / 0' / 0' / 0' / 0' / 0'
Divided Highway – Pavement: Width and Type	24' AC / (20' AC) / 20' AC / 20' AC / .662 / 10' AC / 11' AC / 11' AC / 11' AC / 12' AC / .646 / 20'/21' AC / 20'/21' AC / 20'/21' AC / 20'/21' AC
Divided Highway – Shoulder: Width and Type	0' / 0.14 / 0.23 / 0' / 0' / 4' AC / 1.15 / (2–4'' AC) / 4' AC / 1.73 / (7' AC) / (7' AC) / 2.02 / 4' AC / 8'–10' AC / 2.53 / 8' AC / 6' AC / 6' AC / 6' AC
Number of Traffic Lanes	4–12' / .140 / 4–10' / .662 / 2–10' / 1–10' / .000 / 2–11' / .059 / .107 / Bus .079 / .429 / 1–12' / .602 / 1–12' / .646 / 1–10' / 2–10'/11' / .889 / 1–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	12' / 11' / 13' / .557 / .601 / 12' / .671 / .729 / .768 / .794 / 11' / 10' / AUX / 11' / 11' / .120 / .14 / .18 / .685 / 11' / 11' / Bus / 12' / 13' / .160 / .602 / 12' / .702 / (Same as Through Lane) / .148 / .192 / .263 / .270 / .301 / .331 / .962
Auxiliary Lanes and Parking Lanes (Right Side)	.100 / .133 / .155 / .611 / .664 / 12' / 10' / 12' / Bus / .662 / .748 / .768 / .045 / .071 / .112 / 11' / .162 / 1.30 / .458 / .563 / 11' Truck Climbing Lane (R) / .629 / 11' / .733 / .757 / .779 / 10' / 11' / .007 / .032 / .071 / 11' / 11' / .014 / .036 / .063 / .107 / .144 / (Same as Through Lane) / 11' / 11' / 12' AUX / .544 / .602 / .646 / 10' / .084 / .192 / .261 / 10' / 10' / .280 / .301 / .320 / .344 / .371 / 10' / .960
Frontage Road: No. of Lanes, and Width (Right and Left)	None
Sidewalk: Width and Type (Right and Left)	13' Conc. / .107 / 6' Conc. / .350 / 4' Conc. / .803 / .008 / 6' Conc. / .171 / .031 / 4'–6' Conc. / .790 / 4' AC / .027 / .666 / 4' Conc. / .029 / .088
Curb and/or Gutter: Type (Right and Left)	Conc. Curb / .800 / AC Curb / .931 / Conc. Curb / Conc. Curb & Gutter / AC Curb / .027 / .168 / .261 / .666 / Conc. Curb / .029 / .889 / (Type 2 Conc. Gutters) / .015 / .960 / (Conc. Curb)
Protective Devices: Type, Location and Number (All Metal Rail on Metal Post)	.107 / .150 / 0.50 / 0.78 / .912 / .039 / .175 / .276 / .324 / .429 / .594 / .662 / .746 / .894 / .805 / .885 / .006 / .984 / .050 / .917
Illumination: Type, Location and Number	0.13 / Mercury Vapor / 2.16 / 4.27 / Mercury Vapor
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)	C / 0.09 / A / 0.11 / D / 0.17 / A / 0.78 / B / 0.86 / A / 0.92 / D / 1.01 / C / 1.29 / A / 1.71 / B / 1.74 / A / 2.41 / C / 2.54 / A / F / 2.62 / A / 4.41 / B / 4.53 / A
Superelevation (Range)	2.58
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)	C / 0.14 / B / 0.23 / A / 0.77 / C / 1.24 / E / 1.42 / C / 1.54 / B / 1.96 / C / 2.29 / B / 3.14 / A / 3.31 / B / 3.58 / C / 3.71 / A / 4.89 / B
Contra–Flow Lane	2.60 / Contra–Flow 5:53–8:30 AM ← Traffic Flow
Area and Development:	Small Urban (99998)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	0.78 / Mountainous (3) / 1.51 / Rolling (2) / .701 / 2.94 / Flat (1)
Speed: 1–Design, 2–Posted	25 MPH / Not Posted / .477 / 25 MPH (2) / .328 / 35 MPH / 25 MPH / .701 / 40 MPH / 35 MPH / .909 / 40 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	0.00 3 Phase / .319 / 3 Phase / .420 / 2 Phase / .501 / .611 / 3 Phase / .729 / 3 Phase / .685 / .036 / 2 Phase / .602 / .700
Traffic Stations (Current Year)	B73 0056 00000 / B73 0056 00042 / B73 0056 00116 / B73 0056 00204 / B73 0056 00260
HPMS Sections – AADT 2016	46,400 / 19,800 / 16,800 / 15,500 / 24,900
HPMS Sections – AADT 2015	46,400 / 0.42 / 21,500 / 1.16 / 18,100 / 2.04 / 15,200 / 30,400
HPMS Sections – AADT 2014	0.03 / N/A / 0.49 / N/A / 1.50 / 17,300 / 2.17 / 14,200 / 2.60 / 28,700
DOD Sections	
Functional Classification	Principal Arterial (3)
National Highway System (NHS)	On NHS (1)
Previous Projects: Project No., Date and Limits	(HWY–K–03–00, Improvements, 2003) — 4.88 →
	56A–01–89M (R) 1989 / 0.79 / 56A–01–93M (R) 1994 / 2.02 / 2.59 / STP–056–(41) (R) 1999
	(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 / (F–12(18), 1950) / (A–56–01–64, (R) 1965) / F–12(18) 1950 / (LT–K–02–79 (SHLDR. & GUARDRAIL IMPRV.) 1980)
SCALE: (In Miles) 4" = 1 mile	0 / 1 / 2 / 3 / 4 / 5

Date Released	
Nov. 2001	
Revised	
Apr. 04	D.B.
July 04	D.B.
Jan. 06	D.B.
Mar. 09	D.B.
Sept. 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
May 13	D.B.
Dec. 13	E.P.J.
July 14	D.B.
Jan 16	C.R.
Aug. 16	D.B.
Feb. 18	D.B.

ROAD INVENTORY
KAUAI RTE 56
KUHIO HIGHWAY

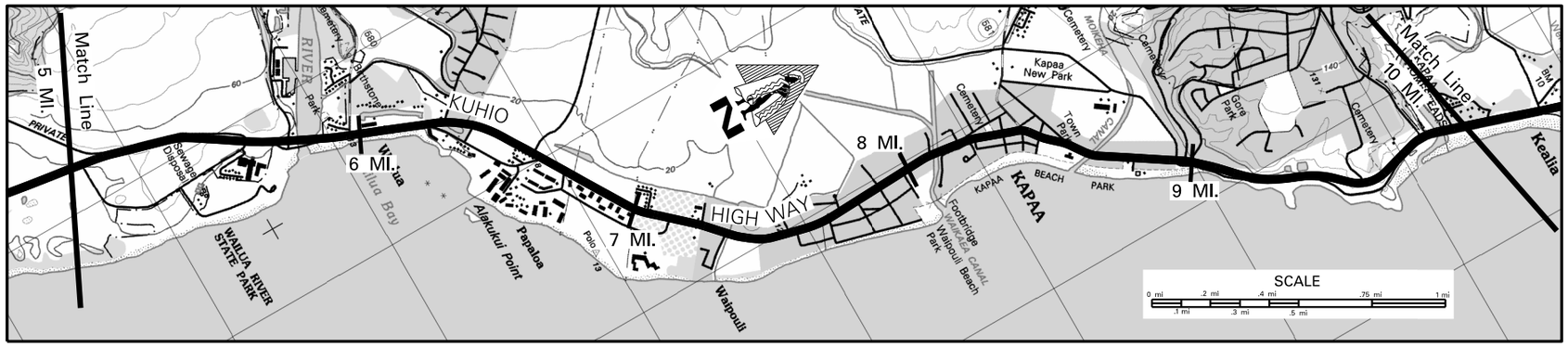
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length:	28.119	MILES (a+b)
a. Existing Length:	28.119	MILES
b. Proposed Length:	None	MILES
Total Travel Way Length:	28.119	MILES (a+b, less c)
a. Existing Length:	28.119	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' (7.32) (Widened in 1993); Prestressed Conc. Plank HS-20-44 81' (8.10) (Widened In 2001); Tee Beam H20 (CNL) 1948 81' (8.64); Tee Beam (STR) 1953 152' (9.90)

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' (5.69) | 80' (6.12) | 60' | 70' (8.36) | 60' (8.69) | Varies 80'–120' (8.81) | 50' (9.09) | (Varies 50'–90') 50' (9.22) | Varies 50'–80' (9.62) | (70') 60' (9.84) | 50' (9.92) | 100'

Available Right of Way Width (Needs Study) (FEP=From Edge of Pav't) — Clear 1000' – Sugar Cane 20' FEP (5.85) | Residential (6.38) | (Sugar Cane – Clear 1000') (6.52) | Resort / Residential (8.16) | 2' FEP Chain Link (8.36–8.52) | 30' FEP W/W (9.28–9.38) | Open Range (9.74) | Residential

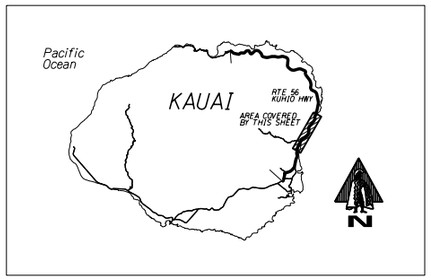
Right of Way Fence: Type – Right and Left

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

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

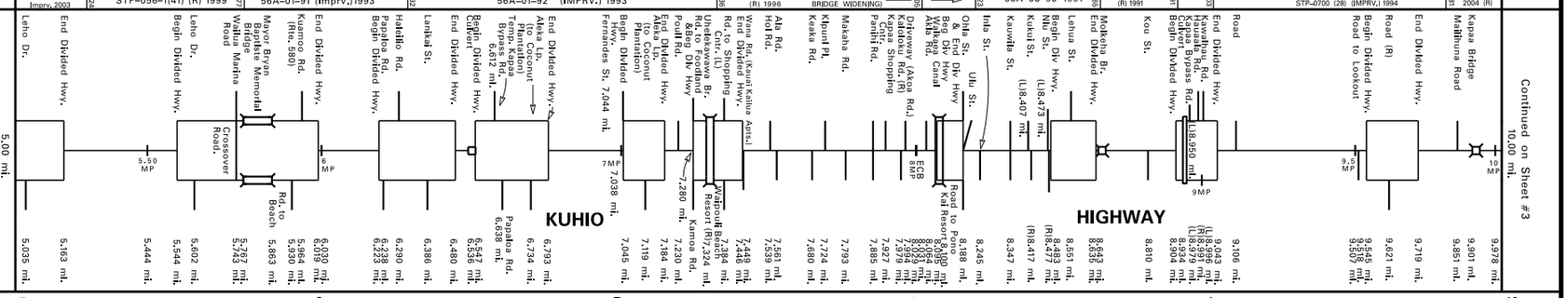
Project No., Type of Construction, and Year Constructed — HSIP-056-1(53), 2012, SAFETY IMPROVEMENTS; 56A-01-12M RESURFACE 2015; 56A-01-05M, RESURF., 2010; ARR-056-1(52), RESURF., 2010

Project No., Type of Construction, and Year Constructed — HWY-K-03-00 Imprv. 2003; STP-056-1(41) (R) 1999; 56A-01-91 (Imprv.)1993; 56A-01-92 (IMPRV.) 1993; STP-056-1(37) (R) 1996; (BR-STP-056-1(35), 2001 BRIDGE WIDENING); 56A-08-90 1991; 56A-03-90M (R) 1991; (56A-01-97 ((L) TURN LANE) 1998); STP-0700 (28) (IMPRV.) 1994; 56B-01-01M 2004 (R)



Road Diagram

* MP=Milepost Signage



SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided

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

Pavement: Width and Type — 12' AC | 32' AC | 11' AC | 33' AC | 11' AC | 33' AC | 11' AC | 22' AC | 11' AC | 27' AC | 14' AC | 26' AC | 12' AC | 24' AC | 11' AC | 23' AC

Shoulder: Width and Type — 0 | 6' AC | 0 | 6' AC | 0 | 4' AC | 0 | 4' AC | 0 | 6' AC | 4' AC | 0 | 0 | 0 | 12' AC | 0 | 6' AC | 4'–6' AC | 0 | 6' AC

Divided Highway — Median

Median: Width and Type — 0'–17' Painted AC | Milled C/L Rumble Strip | 0'–11' Painted AC | 0'–105' Grass | 105'–0' Guard-Rail | 0'–77' Painted AC | 0'–10' Painted AC | 0'–12' Painted AC | 0'–12' Painted AC | 0'–14' Painted AC | (0'–13' Painted AC) | 0'–10' Painted AC | 0'–9' Painted AC | 0'–11' Painted AC

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

Pavement: Width and Type — 22' AC | 22' AC | 22' AC | 22' AC | 22' AC | 11' AC | 13' AC | 12' AC | 12' AC

Shoulder: Width and Type — 6' AC | (6' AC) 4' AC | (6' AC) 4' AC | 4' AC | 4' AC | 0 | 0 | 12' AC (6' AC) | (4'–6' AC) | (6' AC)

Number of Traffic Lanes — 1–12' | 1–10' | 2 – 11' | 1 – 11' | 2–11' | 1–13' | 1–14' | 1–12' | 1–11'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — Aux; 2–Way (L) TL; Bus; 8' Parking

(Right Side) — 2–Way (L) TL; Bus; 8' Parking

Frontage Road: No. of Lanes, and Width (Right and Left) — 2–Way (L) TL; None

Sidewalk: Width and Type (Right and Left) — Conc; 5' Conc.; 6' CONC.

Curb and/or Gutter: Type (Right and Left) — (Conc. Curb); Conc. Curb; 2' CONC.CURB & GUTTER

Protective Devices: Type, Location and Number — All Metal Rail on Metal Post

Illumination: Type, Location and Number — Mercury Vapor

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

Superelevation (Range)

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

Contra–Flow Lane — Contra-Flow 5:53–8:30 AM; Traffic Flow

Area and Development: — Small Urban (99998)

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

Speed: 1–Design, 2–Posted — 40 MPH (2); 25 MPH; 35 MPH; 25 MPH (2); 35 MPH (2); 25 MPH (2); 35 MPH (2); 25 MPH (2); 40 MPH (2)

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

Traffic Stations (Current Year) — B73 0056 00260; B73 0056 00596; B73 0056 00818; B73 0056 00899; B73 0056 00995

HPMS Sections – AADT 2016 — 24,900; 30,400; 22,700; 14,800; 14,800

HPMS Sections – AADT 2015 — 30,400; 30,400; 22,700; 16,000; 16,800

HPMS Sections – AADT 2014 — 28,700; 29,200; 22,600; 15,300

DOD Sections — (Minor Arterial (4))

Functional Classification — Principal Arterial (3)

National Highway System (NHS) — On NHS (1); (Not on NHS (0))

Previous Projects: Project No., Date and Limits — STP-056-1(41) (R) 1999; STP-056-1(40) 1998; STP-056-1(37) (R) 1996; 56A-01-90M (R) 1991; 56A-01-91 (IMPRV.) 1993; 56A-08-90 (IMPRV.) 1991; 56A-03-90M (R) 1991; STP-0700 (28) (IMPRV.) 1994; (56B-01-89M 1989 (R)); (56C-01-87M 1987); HWY-K-02-79 (SHLDR. & GUARDRAIL IMPRV.) 1980; HWY-K-01-77M (R) 1977; (HWY-K-01-77M 1977); (56A-01-67 (R) 1967); 56A-01-90M (R) 1991; 56A-02-72 1976; 56A-02-65 (R) 1967; 56A-02-72 1976; 56A-01-72 1976; A-56-02-64 1968; HWY-K-01-78M (R) 1978; A56-02-65 (R) 1967; 56A-01-74 1976; (56A-01-67 (R) 1967); F-12(18) 1950; F-12(18) 1950; County; County; F-12(18) 1950; F-12(20) 1951; (F-12(15) 1948); (F-12(14) 1945)–8.01; (F-12(14) 1945)

SCALE: (In Miles) 4" = 1 mile

Date Released
Nov. 2001

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

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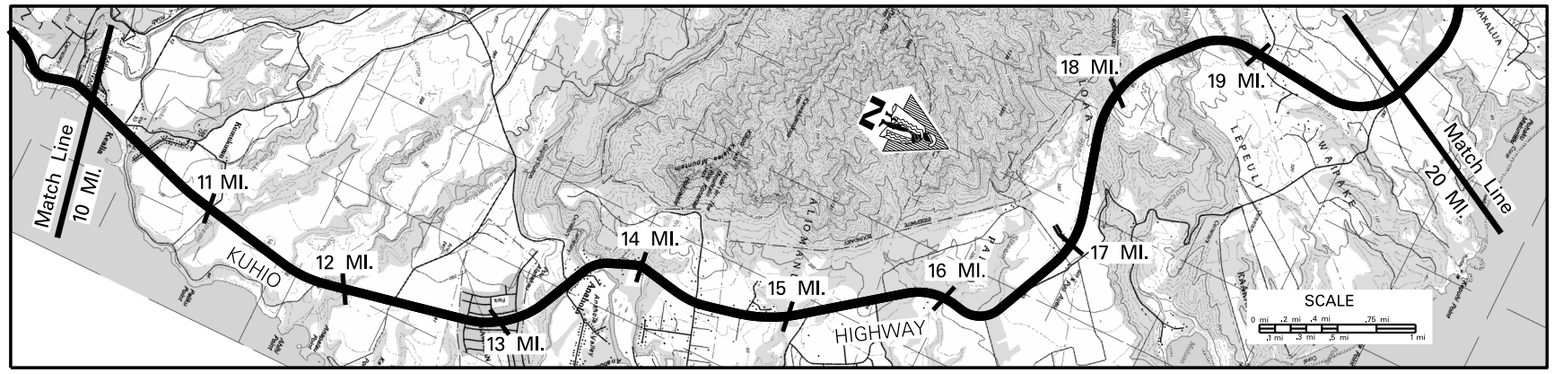
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length: 28.119 MILES (a+b)
- a. Existing Length: 28.119 MILES
- b. Proposed Length: None MILES

Total Travel Way Length: 28.119 MILES (a+b, less c)
- a. Existing Length: 28.119 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. (13.54); 56 C (9.82 MI.)

Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed	RC Box Girder (STR) 1960	RC RGD FM FL SL (STR) 1960	RC Deck Girder (GTR) 1957	Prestressed Conc. Girder (STR) 1965
Vertical Clearance	214' (13.63)	20' (14.03)	68' (15.86)	240' (18.48)
Horizontal Clearance	28'	28'	40'	28'

Structure Over Road

Vertical Clearance	
Horizontal Clearance	

Right of Way Width (min.–max.) If varies: (100') (80') 30.00 30.00 Varies 80' to 160'; 18.19 Varies 80' to 260'.

Available Right of Way Width (Needs Study): 10.07 10.89 Residential; 10.89 12.75 Clear 1000' – Sugar Cane; 12.75 14.04 Residential; 14.04 15.52 Clear 1000' – Pineapple / Sugar Cane; 15.52 17.22 Bushes and Trees

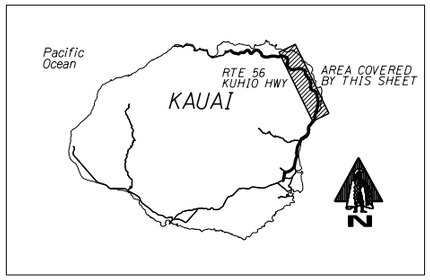
Right of Way Fence: Type – Right and Left (FEP – From Edge of Pav't.): 12.94 C.L. 13.09; 12.96 C.L. 13.11 (25' FEP); 14.18 C.L. 14.30 (15' FEP); 15.38 C.L. 15.50 (20' FEP); 17.22 Wire on Wood 35' FEP; 17.34 Wire on Wood 35' FEP 18.68

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): State; (32 + 80); (26 + 00); (45 + 60); (43 + 60)

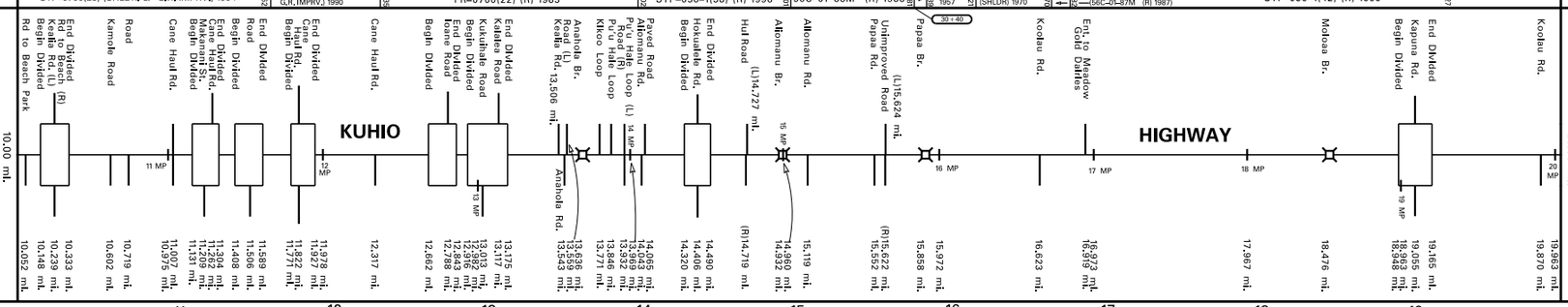
Project No., Type of Construction, and Year Constructed: 56B–01–01M 2004 (R); 11.00 56 BC–01–99M, RESURF., 2000; 14.18 56C–02–07M, (R), 2008; 15.31 (STP–0700(58), GUARDRAILS, 2008); (STP–0700(58), GUARDRAILS, 2008) 19.31

Project No., Type of Construction, and Year Constructed: STP–0700(28) (SHLDR. & G.R. IMPRV.) 1994; 11.62 HES–056–1(32) (SHLDR. & G.R. IMPRV.) 1990; 12.35 FR–0700(22) (R) 1983; 14.02 STP–056–1(38) (R) 1996; 15.01 56C–01–88M (R) 1988; 15.31 ER 5(1) 1957; 15.88 50D–56AB–01–70 (SHLDR) 1970; 16.70 (56C–01–87M (R) 1987); 19.27 STP–056–1(42) (R) 1999



Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 2" = 1 mile

Divided Highway

Undivided	Shoulder: Width and Type	8' AC	6' AC	11' AC	8'AC	6'AC	12' AC	6' AC	10' AC	6'AC	4'AC	6'AC	11' AC	6'AC	4'AC	6'AC	4'–8' AC	10' AC	4'AC		
Undivided	Pavement: Width and Type	23' AC	11' AC	22' AC		11' AC	22' AC	11' AC	22' AC	11' AC	22' AC	11' AC	22' AC	11' AC	22' AC	24' AC	12' AC	24' AC	22' AC	11' AC	22' AC
Undivided	Shoulder: Width and Type	6' AC	0	8' AC	6'AC	0	6' AC	0	6'AC	0	4' AC	0	6'AC	0	6'AC	0	6'AC	4'–8' AC	4'–8' AC	4' AC	0	4' AC
Median: Width and Type			0'–12' Painted AC		0'–10' Painted AC	0'–12' Painted AC		(0'–11' Painted AC)		(0'–9' Painted AC)		0'–10' Painted AC		(0'–12' Painted AC)						0'–11' Painted AC	
Shoulder: Width and Type			0		0	0		0		0		0		0						0	
Pavement: Width and Type			12' AC		11' AC	11' AC		11' AC		11' AC		11' AC		12' AC						11' AC	
Shoulder: Width and Type			6' AC		6'AC	6'AC		6' AC		6' AC		5'–7' AC		(10' AC)	(6' AC)					4' AC	

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

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): Bus 10'; Bus 11'; Bus 12'; Bus 13'

(Right Side): Bus 12'; Bus 14'; Bus 11'; Bus 10'; Bus 12'; Bus 13'; Bus 12'

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

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

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

Protective Devices: Type, Location and Number (All Metal Rail on Metal Post)

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

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

Superelevation (Range)

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

Contra Flow Lane

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

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 Stations (Current Year): B73 0056 00995; B73 0056 01060; B73 0056 01355; B73 0056 01663; (B73 0056 01987)

HPMS Sections – AADT 2016: 14,800; 15,600; 13,700; 10,600; (12,900)

HPMS Sections – AADT 2015: 16,800; 16,700; 14,500; 10,600; (13,286)

HPMS Sections – AADT 2014: 15,300; 16,000; 15,700; 14,300; N/A

DOD Sections

Functional Classification: Minor Arterial (4)

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

Previous Projects: Project No., Date and Limits: (HWY–K–01–77M) (R) 1977; DF–056–1(6) 1960; 56C–01–88M (R) 1988; ER 5(1) 1957; 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.
Mar. 09	D.B.
Sept. 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	D.B.
July 14	D.B.
Jan 16	C.R.
Aug. 16	D.B.
Feb. 18	D.B.

ROAD INVENTORY

KAUAI RTE 56
KUHIO HIGHWAY

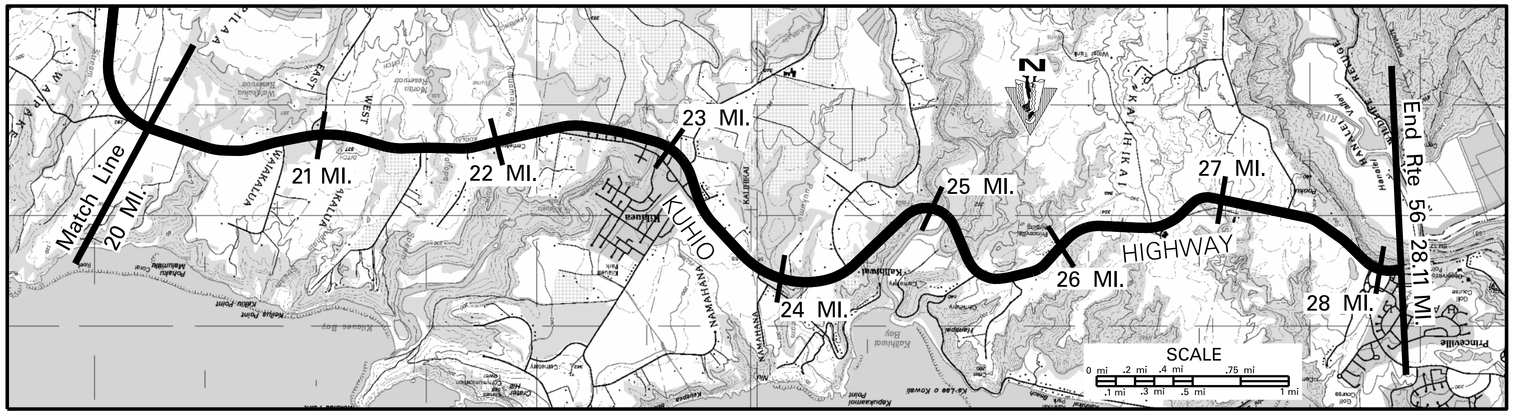
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

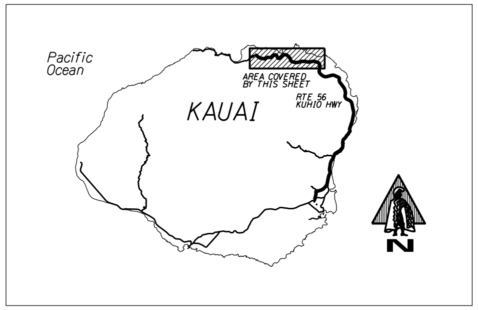
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Designated Route Length:	28.119	**MILES (a+b)**
a. Existing Length:	28.119	**MILES**
b. Proposed Length:	None	**MILES**
Total Travel Way Length:	28.119	**MILES (a+b, less c)**
a. Existing Length:	28.119	**MILES**
b. Temporary Length:	None	**MILES**
c. Length used as T.W. for another Route:	None	**MILES (–)**

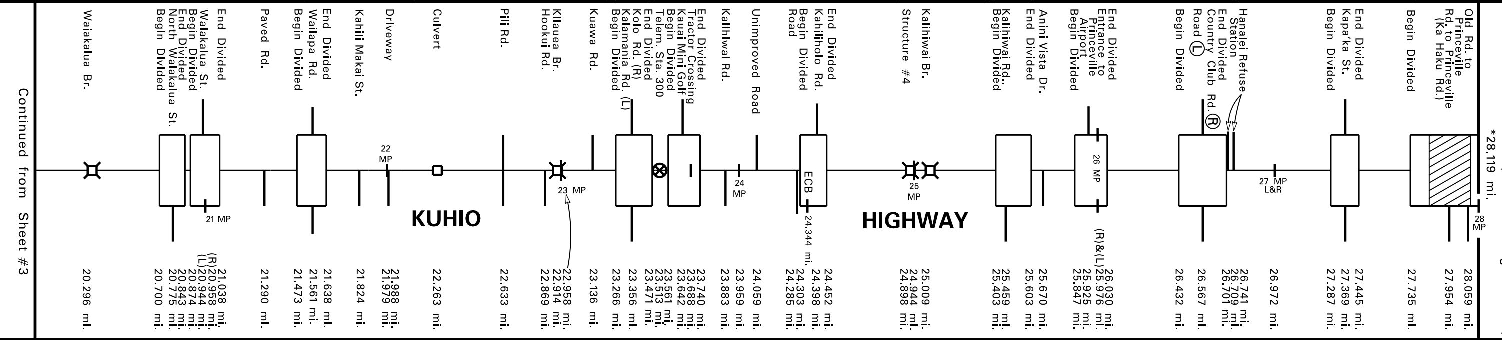
NEEDS STUDY ROUTE NO. ____________ **FUNCTIONAL CLASSIFICATION** ____________



SCALE: (In Miles) 2″ = 1 mile	20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30
Maintenance Control Sections : Length and Description	56C (9.82 MI.); 23.36 ⟵ End 56C – Begin 56D on Kuhio Hwy. at the Centerline Intersection with Kolo Rd.; 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	20.30; 22.91; 24.90; 25.01
Horizontal Clearance	36′; 40′; 34′; 28′
Structure Over Road — Vertical Clearance	
Horizontal Clearance	
Right of Way Width (min.–max.) if varies	(80′–260′) ⟶ 20.14; 60′–500′; 22.16; 100′–200′; 23.55; 100′; 23.76; (200′); 23.85; (Varies 110′–160′); 23.96; 100′; 24.27; (Varies 175′–210′); 24.41; Varies 160′–295′; 24.87; (100′); 24.99; (Varies 300′–360′); 25.09; (Varies 160′–165′); 25.25; 130′; 25.47; 70′–200′; 27.01; 40′
Available Right of Way Width (Needs Study)	(Bushes & Trees) ⟶ 20.30 Clear 1000′ Sugar Cane; 23.08 Residential; 23.82 Trees; 25.65 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; 27.95
Control of Access: 1–None, 2–Partial, 3–Full	None; 25.75; 56D–01–13,INTERSECTION IMPROV.,2015; 569+39.75; 27.29; 27.45; 561+05.99
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	78+77.04; 61+00; 80+25; 24+73; 46+00; State; 72+29; 56D–01–07 RESURF 2012; 1+00; 584+00; 1+40
Project No., Type of Construction, and Year Constructed	(56C–01–09, 2012, INTERSECTION IMPROVEMENTS) 20.70 ⟶; 21.04; 21.72; 56C–02–08M, RESURF., 2010; 22.17; 22.82; 56CD–01–09M, MARKINGS, 2015; 24.30; 24.46; 42+51; 15+65; 25.31; 657+20; 25.63; 25.81; 26.04; 56D–03–08M, RESURF., 2010 (56D–03–08M, RESURF., 2010); 27.01; 56D–01–08M, RESURF., 2010
Project No., Type of Construction, and Year Constructed	STP–056–1(42) (R) 1999; 21.53; 56C–01–90M (R) 1990; 22.14; STP–056–1(38) (R) 1996; 23.26; 23.47; 23.67; (HWY–K–02–98, IMPRV. 2000); 50D–01–92M (R) 1993; 24.85; (HWY–K–01–07M,PAVEMENT MARKING, 2007); 25.36; 25.61; STP–0700(58), GUARDRAILS, 2008; 598+23; 26.74; F–056–1(31) (New Alignment) 1993; 27.76; LT–K–03–80M (R) 1980



Road Diagram
* MP = Milepost Signage



End Rte. 56 on Kuhio Highway at Route Markers 56 and 560 (Same as Beg. Rte. 560)
*28.119 mi.

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

▨ Indicates Grass & / or Physical Barrier on Median.

SCALE: (In Miles) 2″ = 1 mile	20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30
Undivided — Shoulder: Width and Type	4′ AC; 20.13; 6′ AC; 4′ AC; 6′ AC; 21.72; 4′–6′ AC; 22.17; 8′ AC; 23.68; 4′ AC; 24.20; 8′ AC; 10′ AC; 4′ AC; 7′ AC; 6′ AC
Pavement: Width and Type	22′ AC; (22′ AC); 11′ AC; 11′ AC; 22′ AC; 11′ AC; 21′ AC; .100; 24′ AC; 12′ AC; 24′ AC; 12′ AC; 22′ AC; 11′ AC; 22′ AC; 12′ AC; 24′ AC; 12′ AC; 24′ AC; 12′ AC; 24′ AC; 12′ AC; 24′ AC; 12′ AC
Shoulder: Width and Type	4′ AC; 20.15; 6′–12′ AC; (4′ AC); 0; 0; 6′–12′ AC; 0; 21.72; 4′–6′ AC; 22.17; 22.47; 16′ AC; 22.63; 6′–12′ AC; 0; 8′ AC; 0; 4′–8′ AC; 0; 4′–8′ AC; 0; 7′ AC; 0; 7′ AC; 0; 7′ AC; 0; 7′ AC; 0; 2′ AC ⟵ 0
Divided Highway — Median: Width and Type	(0–8′ Painted AC); .700; .843; .874; (0–12′ Painted AC); .038; .473; 0′–10′ Painted AC; .638; (6′–12′ AC); .266; 0′–12′ Painted AC; .471; .561; 0′–12′ Painted AC; .740; .303; 0′–11′ Painted AC; .452; .403; 0′–14′ Painted AC; .603; .847; 0′–14′ Painted AC; .030; .432; 0′–15′ Painted AC; .701; .287; 0′–12′ Painted AC; .445; .735; .841; .074; (3′–13′ Raised Grass); (0′–8′ Painted AC); (0′–12′ Painted AC)
Shoulder: Width and Type	0; 0; 0; 0; 0; 0; 0; 0; 0; 0; 0; 2′ AC ⟵ 0
Pavement: Width and Type	11′ AC; 11′ AC; 10′ AC; 12′ AC; 12′ AC; 11′ AC; 12′ AC; 12′ AC; 12′ AC; 12′ AC; 12′ AC; 11′ AC
Shoulder: Width and Type	4′ AC; 4′ AC; 6′–12′ AC; 20′ AC; 8′ AC; 8′ AC; 5′ AC; 4′–8′ AC; 8′ AC; 8′ AC; 7′ AC; 7′ AC; 7′ AC; 4′ AC
Number of Traffic Lanes	2–11′; .473; 1–11′ 1–10′; .100; 2–12′; 2–11′; .403; 2–12′; .735; 1–12′ 1–11′
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	.746 11′ .775 11′ .819; 12′ .899 .944 .983 11′; 12′ .507 .561 .619 12′; 11′ .607 11′; 9′ Bus .290 .310; 12′ .356 .415; 11′ 11′ .583 .642 .705; 16′ .371 .398 .443 16′; 11′ .459 .553; 13′ .846 .925 12′ .030; 11′ .484 .567 .652 11′; 12′ .420; Bus 10′; 11′ .954 .018
(Right Side)	9′ .738 .775 .818 11′; .899 .944 .973 11′; 10′ .514 .544 .580 .561 12′; 9′ 10′ .792 .824 .853; 12′ 12′ .600 .633 .666; 18′ 18′ .839 .869 .899; .310 12′; Bus 12′ .301 .330; 12′ 11′ .594 .696; 11′ 11′ .331 .398 .430; .862 12′ .925; 11′ .449 .567 12′ .701; .319 12′ .369; 11′ .845 .954 .991 18′; .066 .093
Frontage Road: No. of Lanes, and Width (Right and Left)	None
Sidewalk: Width and Type (Right and Left)	.009 3′ AC .161; .009 3′ AC .161
Curb and/or Gutter: Type (Right and Left) All 2′ Conc. Gutters.	.636 .692; .848 .934; .282 .412; .628 .780; .878 .004; .851 .977; .723 .753 .745; .026 .070 .161; .461 .506; .632 .720; .831; .009 .161; .266 .298; .583 .619; .727; .014; .294; .746 .824; .894 .988; .138 .242; .285 .335 .393 .446; 4 AC Curbs
Protective Devices: Type, Location and Number M/M = Metal Rails on Metal Posts	.274 .322; .267 .321; .582 .672; .826 .922; .295 .381; .620 .746; .883 .981; .877 .983; .040 .107; .868; .890 .162; .460 .496; .619; .851 .891; .178; .265 .303; .360; .364 .609; .952; .136 .204 .296; .375 .544; .729 .851; .900 .974; .135 .227; .289 .335 .380 .446; .013 .047
Illumination: Type, Location and Number	None
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)	A; 21.80; B; 21.88; A; 25.18; C; 25.18; A; 25.35; C; 25.60; A; 25.77; B; 25.90; A; 26.04; B; 26.27; A; 26.50; B; 26.75; A; 26.82; C; 26.95; A; 27.48; B; 27.57; A; 27.90; B; 28.08 ⟵ (A)
Superelevation (Range)	
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)	B; 20.23; A; 20.43; B; 20.99; A; 21.42; B; 21.99; A; 22.18; B; 23.48; C; 23.85; B; 24.21; C; 25.01; B; 25.16; D; 25.86; B; 26.11; A; 26.30; B; 26.36; C; 26.46; A; 26.67; C; 26.89; B; 27.57; C; 27.75; B; 27.88; C
Contra Flow Lane	
Area and Development:	Rural (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Flat (1); 23.74; .309; .498; .593; Mountainous (3); .656; 25.74; Flat (1); 26.89; Rolling(2); 27.54; Flat (1)
Speed: 1–Design, 2–Posted	50 MPH (2); .825; .826; 40 MPH (2); .406; 50 MPH (2) 40 MPH (2); (40 MPH (2)); 50 (2); 40 (2); (30 MPH (2)); 35 MPH (2) 30 MPH (2); .092; .310; .496; .718; 40 MPH (2); .575; 35 MPH (2); .978 ⟵ (Not Posted)
Intersection Control Devices: Type, Location and Cycle Timing	None
Traffic Stations (Current Year)	B73 0056 01987; B73 0056 02336; B73 0056 02546
HPMS Sections – AADT 2016	12,900; 15,000; 13,300
HPMS Sections – AADT 2015	13,286; 23.36; 14,700; 25.46; 14,206
HPMS Sections – AADT 2014	N/A; 21.56; 13,000; 23.88; 14,100; 25.92; 13,900
DOD Sections	
Functional Classification	Minor Arterial (4)
National Highway System (NHS)	Not on NHS (0); 42+51; 15+65; 614+50; 600+50
Previous Projects: Project No., Date and Limits	24.85; 25.36; (HWY–K–01–07M,PAVEMENT MARKING, 2007); 26.42; 26.69
	56C–01–90M (R) 1990; 22.14; STP–056–1(38) (R) 1996; 23.67; 25.65; F–056–1(31) (New Alignment) 1993; 27.76
	.14 ⟵ (56C–01–87M (R) 1987); 26.42; STP–056–1(36) 1998; 26.75
	⟵ (50D–56AB–01–70 1970); 50D–01–92M (R) 1993
	(S–0560(2) U–2 1963) ⟶ 20.13; F–056–1(8) 1967; 22.14; DP–RF–056–1(10) (New Alignment) 1973; 23.67; HWY–K–01–77M (R) 1977; (ER–7(1) U–2 1963) ⟶ .01; 25.16; HWY–K–01–77M (R) 1977; 25.65; COUNTY; 27.52; LT–K–03–80M 1980 (R)
SCALE: (In Miles) 2″ = 1 mile	20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30

Date Released	
Nov. 2001	
Revised	
Aug 04	*D.B.*
Sept. 06	*D.B.*
Feb. 08	*D.B.*
Mar. 09	*D.B.*
Sept. 10	*D.B.*
Feb. 11	*D.B.*
Feb. 12	*D.B.*
Sept. 12	*E.P.J.*
Dec. 13	*D.B.*
July 14	*D.B.*
Jan 16	*C.R.*
Aug. 16	*D.B.*
Feb. 18	*D.B.*

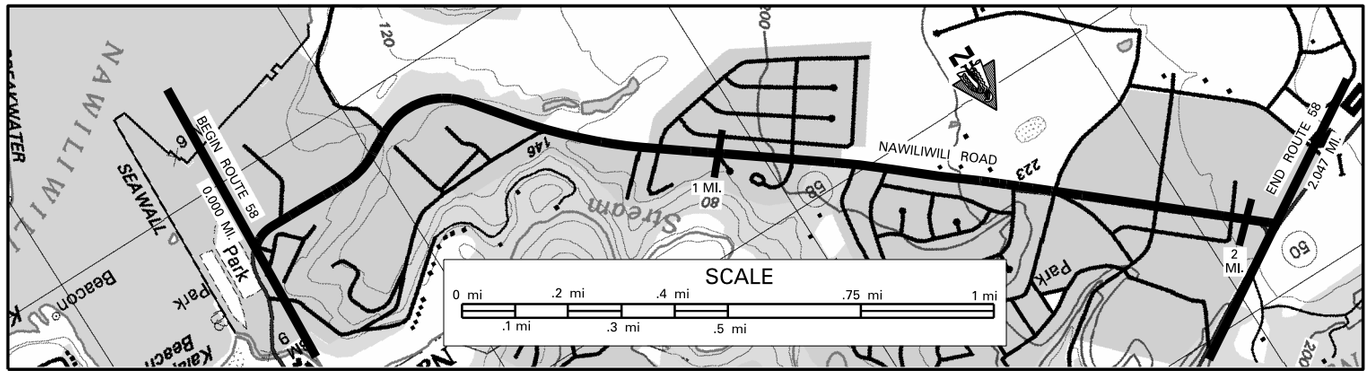
ROAD INVENTORY
KAUAI RTE 58
NAWILIWILI ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 2.047 miles
- a. Survey Length: 2.047 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 Waapa 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' (0.16), 120' (0.20), 140' (0.26), 150' (0.32), 110' (0.42), 90' (0.51), 110' (0.56), 100' (0.64), 80', 120' (1.97)

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

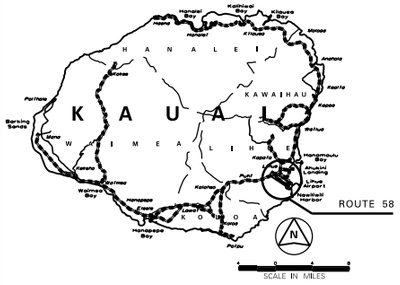
Right of Way Fence: Type – Right and Left: 6' Chainlink (1.71–1.84), 6' Chainlink (1.84–1.86), 6' Chainlink (1.86–1.98)

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: CMAQ–058–1(4), Bikeway, 2012

Project No., Type of Construction, and Year Constructed: NH–051–1(10) Resurf., 2002 (0.00); NH–058–1(3), Resurface, 2002



Road Diagram
* MP = Milepost Signage

BEGIN RTE 58 ON NAWILIWILI ROAD AT THE CENTERLINE INTERSECTION OF WAAPA ROAD (RTE 51) (L) & KAILIKEA STREET (R) — 0.000 mi.

NAWILIWILI ROAD

Point	Mile
Wilcox Rd., & Beg Div Hwy (MP 0)	0.009 mi.
	0.079 mi.
Niumalu Rd.	0.356 mi.
	0.334 mi.
Lala Rd.	0.682 mi.
Eleki Pl.	0.849 mi.
Apapane St.	0.891 mi.
Beg Measured Mile Begin Divided (MP 1)	1.00 mi.
	0.974 mi.
Nokekula St. (L) Nokekula Ctr. (R)	1.136 mi.
End Divided	1.233 mi.
Nawiliwili Road (Grove Farm Museum)	1.260 mi.
Aheahe St.	1.314 mi.
Tekem Sta. 58014 Begin Divided	1.435 mi.
	1.414 mi.
Kanani St.	1.557 mi.
Pikake St.	1.634 mi.
Rd. to Kukui Grove Shopping Ctr. (L) Haleko Rd. (R)	1.827 mi.
Rd. to Kukui Grove Shopping Ctr. (L) Kukui Grove St. (R)	1.972 mi.

END RTE 58 ON NAWILIWILI ROAD AT THE SOUTH E.P. OF KAUMUALII HIGHWAY (RTE 50) — *2.047 mi.

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

Indicates Grass & / or Physical Barrier on Median.

SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided
- Shoulder: Width and Type: 8' AC, 10' Dirt (0.07), 4' AC (0.15), 9' AC (0.49), 4' AC (0.66)
- Pavement: Width and Type: 11' AC, 23' AC (.43), 24' AC, 12' AC, 23' AC, 11' AC, 11' PCC (.63), 22' PCC
- Shoulder: Width and Type: 0, 10' Dirt (0.15), 8'–10' AC (0.28), 4'–22' AC, 0, (4' AC), 9' AC (1.25), 4' AC (1.31), 0

Divided Highway — Median
- Median: Width and Type: 0'–13' Painted AC (.079–.974), 0'–11' Painted AC (.233–.414), 0'–20' Paint (.557), 0'–20' Raised Grass (.972), 0'–20' Raised Conc.
- Shoulder: Width and Type: 0, 0, 0
- Pavement: Width and Type: 12' AC, 12' AC, 11' AC, 22' PCC (.972)
- Shoulder: Width and Type: 8' AC (.42), 4' AC, 4' PCC BIKE LANE, 10' AC, 0

Number of Traffic Lanes: 1–11' (.34), 1–12' (.42), 1–12' (.41), 1–11' (.63), 2–11'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side) — All 12' T.Ls.; 10' (L) T.L.
(Right Side) — All 12' T.Ls.; (Same as 2–11' Through Lanes)

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

Sidewalk: Width and Type (Right and Left): (8' Conc.)

Curb and/or Gutter: Type (Right and Left): 6' Concrete Gutter (.094–.671), 4' Conc. (1.59–1.67), Concrete Curb (1.67–1.98)

Protective Devices: Type, Location and Number — All Guardrails M/M

Illumination: Type, Location and Number: None; 61 HPS (1.45–1.86)

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62): E (0.06), A, C (0.27), A (0.32), C (0.53), A, C (1.95), B (1.98), A (2.03)

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45): C (0.77), B, C (1.99)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban (99998)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Flat (1) (0.08), Rolling (2) (0.18–0.71), Flat (1) (1.82–2.05)

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 (.634); 3 Phase (.827); 3 Phase

Traffic Stations (Current Year): B73 0058 00000; B73 0058 00034; B73 0058 00069; B73 0058 00183

HPMS Sections – AADT 2016: 11,700; 8,700; 11,500; 6,500

HPMS Sections – AADT 2015: 12,730 (0.24); 10,400 (0.69); 12,500 (1.83); 6,500

HPMS Sections – AADT 2014: 9,100 (0.08); 10,700; 8,600 (1.64); 7,100

DOD Sections

Census Tracts

Functional Classification: Principal Arterial (3)

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

Previous Projects: Project No., Date and Limits
- STM–059–1(2), Realignment, 1960 (0.15)
- 0.11 HWY–K–01–87 Improvements, 1987
- 0.68 58A–01–88M, Resurface, 1988
- 58–01–71 (Reconstruction) 1971
- S–254(1) 1954, 55
- 1.38 F–058–1(1), 1991
- 2.12
- 1+32
- 112+52.87

SCALE: (In Miles) 4" = 1 mile

Date Released	
Aug. 2004	D.B.

Revised	
Jan. 06	D.B.
Sept. 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	D.B.
July 14	D.B.
Jan 16	C.R.
Aug. 16	D.B.
Feb. 18	D.B.

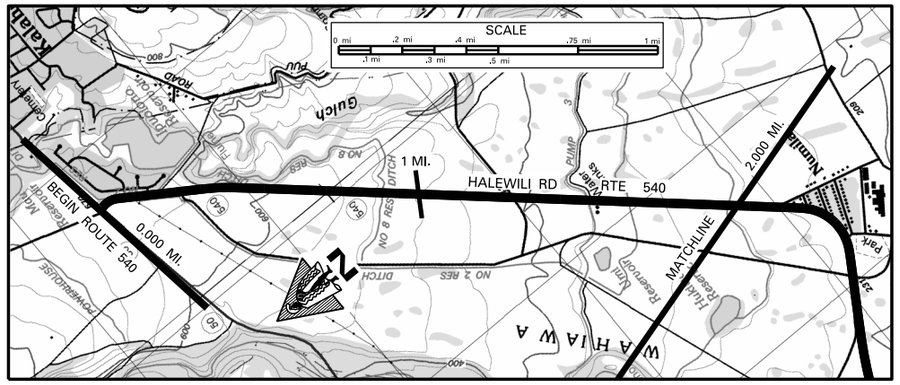
ROAD INVENTORY
KAUAI RTE 540
HALEWILI ROAD

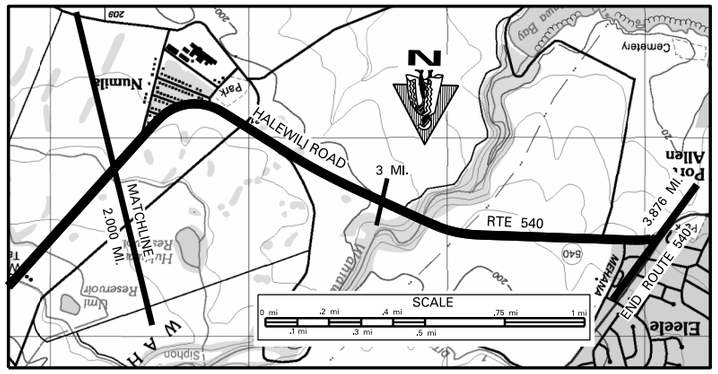
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 3.876 miles
- a. Survey Length: 3.876 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: 0.00 miles



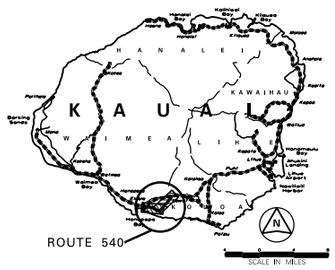


SCALE: (In Miles) 4" = 1 mile

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 3.91

Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed
	Vertical Clearance
	Horizontal Clearance
Structure Over Road	Vertical Clearance
	Horizontal Clearance
Right of Way Width (min.–max.) If varies	60' (1.02–1.06) 60' (2.47–2.48) 80' (3.85–3.89) 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
Project No., Type of Construction, and Year Constructed	(126+15) (0.03) (200+68) STP–0540(3), (R), 2007 (72+10) (1.56)
Project No., Type of Construction, and Year Constructed	(STP–050–1(9) (Realignment), 1996) (0.06) (0.01) (STP–0700–(35) SHLDR & GRD, RL, IMPROV, 1997) STP–0540(2), 2006, GUARDRAILS AND SHOULDER IMPROVEMENTS (12+00) (540A–01–02M 2004 RESURFACE) (3.71)



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). 0.000 mi.

Haku St. End Divided — Haku St. Begin Divided — Culvert Kau Wai St. — Coffee Haul Rd. — Water Tank Culvert — McBryde New Mill Rd. — Rd. to Park — Coffee Haul Rd. (R) Paved Rd. (L) — Waihoun Kai Stream Br. Quarry Dr. — Huehu Rd. Huna St. Road — Ramp Begin Divided 3.801 mi.

HALEWILI ROAD — 1 MP — 2 MP — 3 MP — 3.95 MP

0.070 mi. 0.042 mi. — 0.165 mi. 0.146 mi. — 0.978 mi. — 1.290 mi. — 1.558 mi. 1.538 mi. — 1.978 mi. — 2.112 mi. — 2.369 mi. — 2.499 mi. — 2.933 mi. — 3.081 mi. 3.089 mi. — 3.168 mi. — 3.766 mi. 3.709 mi. 3.694 mi. — 3.870 mi. 3.831 mi.

End Route 540 on Halewili Road at the East E.P. of Kaumualii Hwy (RTE 50). 3.876 mi.

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

SCALE: (In Miles) 4" = 1 mile

Divided Highway – Undivided	Shoulder: Width and Type — 6' AC; 12' AC (3.22); 6' AC
	Pavement: Width and Type — (12' AC); 24' AC; (.969); (12' AC)
	Shoulder: Width and Type — 0; 6' AC; (2.86) 12' AC 6' AC; 12' AC; 6' AC; 0
	Median: Width and Type — (AC Curb (0'–63') & Flush Grass (0'–40') w/ AC Fridge (NO Shoulder))
	Median Barriers: (0'–15' Painted AC); (.831)
	Shoulder: Width and Type — 0; (.042); 0
	Pavement: Width and Type — (12' AC); (12' AC)
	Shoulder: Width and Type — (20' Grass); (10' Grass)
Number of Traffic Lanes	2–12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	(.865) (Same as Through Lane)
(Right Side)	(.667) (.709)
Frontage Road: No. of Lanes, and Width (Right and Left)	None
Sidewalk: Width and Type (Right and Left)	
Curb and/or Gutter: Type (Right and Left)	(.360) (.271) (.469) (.589) (.868) (.912) (.529) (.573) (.077) (.171) (.197) (.361) (.269) (.718)
Protective Devices: Type, Location and Number — Metal Rails on Metal Posts	(.141) (.177) (.836) (.235) (.491) (.546) (.180) (.201) (.257) (.309) (.079) (.073) (.235) (.541) (.542) (.877)
Illumination: Type, Location and Number	(0.01)
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)	(F) D (0.06) A (2.20) C (2.44) A (3.85) D
Superelevation (Range)	
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)	C (0.77) D (1.15) C (2.14) B (2.51) A (2.68) B (2.76) C (2.92) B (3.85) C
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	Rural (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Rolling (2) (.022) (.572) (.766)
Speed: 1–Design, 2–Posted	(Not Posted) 35 MPH (2) (.197) 35 MPH (2) 50 MPH (2) (.049) (.033) 35 MPH (2) (.503) 50 MPH (2) (.505) 45 MPH (1) (.633) 35 MPH (1) (Not Posted)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Stations (Current Year)	B73 0540 00000
HPMS Sections – AADT 2016	2,500
HPMS Sections – AADT 2015	2,400
HPMS Sections – AADT 2014	(0.44) 2,200
DOD Sections	
Census Tracts	
Functional Classification	Major Collector (5)
National Highway System (NHS)	Not on NHS (0)
Previous Projects: Project No., Date and Limits	(0.06) STP–0700–(35) (Shoulder and Guardrail Improvements), 1997
	(0.07) (STP–050–1(9) (Realignment), 1996) (1.03) HWY–K–01–91M (Resurface), 1991 540A–01–72 (Resurface), 1972 540A–01–02M 2004 RESURFACE
	FAS 5A(1), 1939 (1.50) S–5(2), 1950 (3.11) (RS–640(1), 1974) (3.18) HWY–K–01–91M (Resurface), 1991 (3.09) (3.25) 540A–01–72 (Resurface), 1972
	(127+84.80) (–1+55.07) (79+44.07) (3.95) (0+55.15) (Spur – Port Allen Leg)

SCALE: (In Miles) 4" = 1 mile

Date Released	
Aug. 2004	DB

Revised	
Sept. 06	D.B.
Feb. 08	D.B.
Sept. 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	D.B.
July 14	D.B.
Jan 16	C.R.
Aug. 16	D.B.
Feb. 18	D.B.

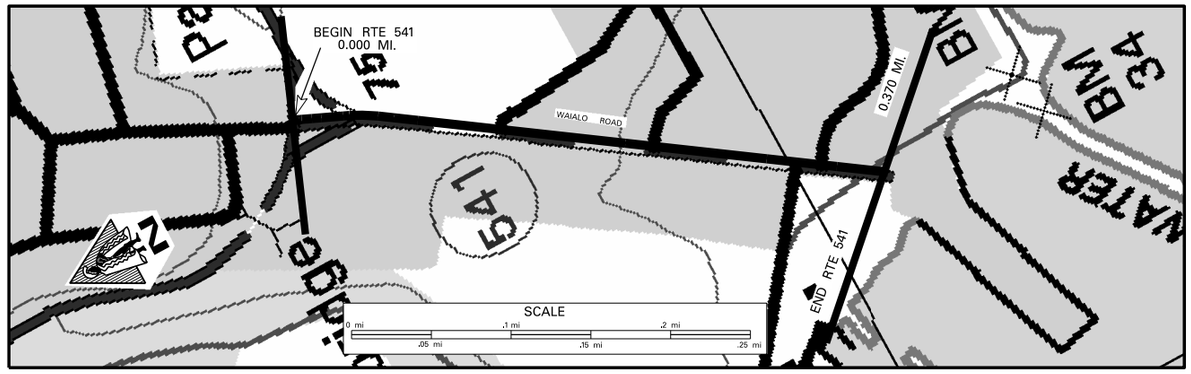
ROAD INVENTORY
KAUAI RTE 541
WAIALO ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 0.370 miles
- a. Survey Length: 0.370 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
- Vertical Clearance
- Horizontal Clearance

Structure Over Road
- Vertical Clearance
- 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

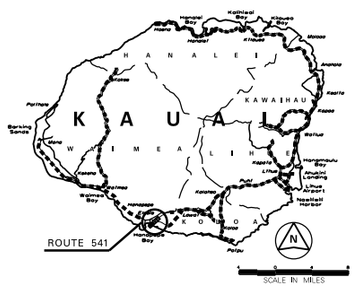
Right of Way Fence: Type – Right and Left: None

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: 16 + 09 — 541A–01–04M, Resurf., 2008 — (–) 3 + 60

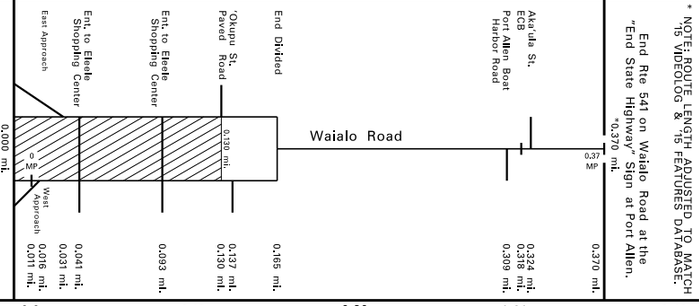
Project No., Type of Construction, and Year Constructed: 541A–01–89M (R) 1990



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage



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

End Rte 541 on Waialo Road at the "End State Highway" Sign at Port Allen. "0.370 mi.

SCALE: (In Miles) 20" = 1 mile

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

Divided Highway — Undivided
- Shoulder: Width and Type: 5'–12' AC | 0.17 | 6'–8' AC
- Pavement: Width and Type: 16' AC | .053 | 20' AC | 0.17 | (30' AC) | 25'–26' AC
- Shoulder: Width and Type: 0 | 10' Dirt | 0.20 | 6' AC | .309 | 10' AC

Divided Highway — Median
- Median: Width and Type: 4'–15' Raised Grass | .041 | 4' Raised Grass | .125 | 0'–5' Paint | .296
- Shoulder: Width and Type: 0
- Pavement: Width and Type: 15'–18' AC | .055 | 22' AC | .132 | 10' AC
- Shoulder: Width and Type: 10' Dirt | 0.04 | 4' AC | 0.09 | 10' Dirt

Number of Traffic Lanes: 1–16' | .053 | 2–10' | 1–12' ; 1–(15'–18') | .055 | 2–11' | .132 | 1–10' | 1–13'/14'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): 11' | .055 | .170

(Right Side): 11' | .028 | .139 | .137 | .170

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number: None

Illumination: Type, Location and Number: None

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62): C | 0.02 | B | 0.07 | A

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45): C | 0.26 | B

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: Small Urban (99998)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: Rolling (2) | .296

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

Intersection Control Devices: Type, Location and Cycle Timing: .092

Traffic Stations (Current Year): B73 0541 00000

HPMS Sections – AADT 2016: 3,400

HPMS Sections – AADT 2015: 2,900

HPMS Sections – AADT 2014: 0.14 | 2,700

DOD Sections

Census Tracts

Functional Classification: Major Collector (5)

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

Previous Projects: Project No., Date and Limits: 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	
Mar. 09	D.B.
Dec. 09	D.B.
Sept. 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	D.B.
July 14	D.B.
Jan 16	C.R.
Aug. 16	D.B.
Feb. 18	D.B.

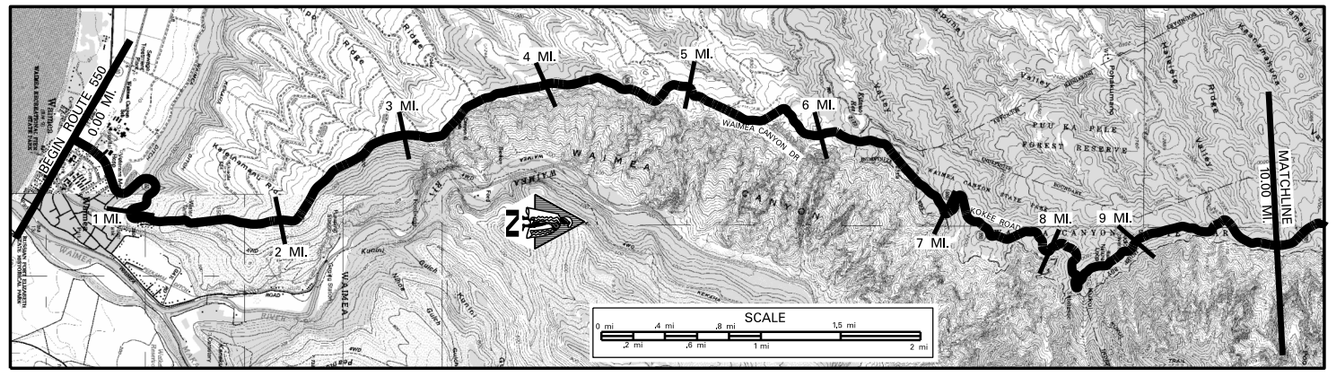
ROAD INVENTORY
KAUAI RTE 550
WAIMEA CANYON DRIVE & KOKEE RD.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 14.072 miles
- **a. Survey Length:** 14.072 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 KAUMUALI 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 W/YH 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' (0–1.19); 80' (1.19–4.16); 40' (4.16–5.78); 80' (5.78–10)

Available Right of Way Width (Needs Study): RESIDENTIAL (0–0.07); CLEAR 1000' BUSHES AND GRASS (0.07–7.00); TREES (7.00–10)

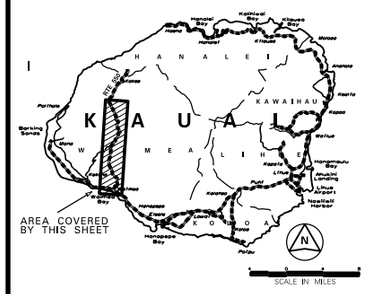
Right of Way Fence: Type – Right and Left: NONE

Control of Access: 1–None, 2–Partial, 3–Full: SFL SILT FENCE (0.41–4.33); (312 + 84.30); (445 + 66); (492 + 53)

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE; STP–0550(004),(R),2015 (385 + 99); (538 + 53)

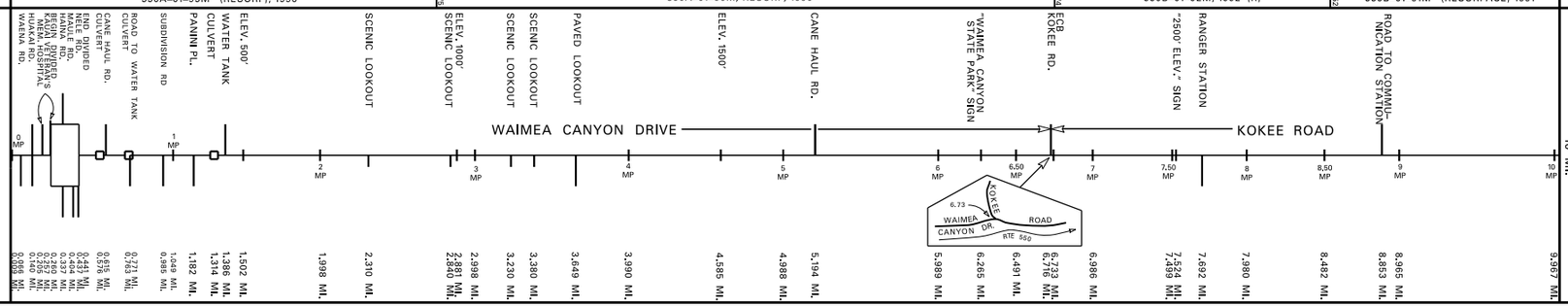
Project No., Type of Construction, and Year Constructed: 550AB–01–06,GUARDRAIL & SHOULDER IMPV., 2012 (0.75–4.64); 550A–01–01M, (RESURF.) 2002 (4.98–6.00); STP–0700(58),GUARDRAIL & SHOULDER IMPV., 2008 (7.28–8.38)

Project No., Type of Construction, and Year Constructed: 550A–01–95M (RESURF), 1996 (0–2.35); 350A–01–90M, RESURF, 1990 (2.35–6.24); 550B–01–92M, 1992 (R) (6.24–8.92); 550B–01–91M (RESURFACE) 1991 (8.92–10)



Road Diagram

* MP = Milepost Signage



SCALE: (In Miles) 2" = 1 mile

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

Number of Traffic Lanes: 2–9' (0–.100); 2–8' (.100–.754); 2–(8'–12') (.754–10)

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

(Right Side)

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

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

Curb and/or Gutter: Type (Right and Left): CONC. GUTTER

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

Illumination: Type, Location and Number

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: SMALL URBAN (99998)

Terrain: 1–Flat, 2–Rolling, 3–Mountainous: FLAT (1) (0–0.58); MOUNTAINOUS (3) (0.58–10)

Speed: 1–Design, 2–Posted: 25 MPH (2)

Intersection Control Devices: Type, Location and Cycle Timing

Traffic Stations (Current Year): B73 0550 00000; B73 0550 00118; B73 0550 00672

HPMS Sections – AADT 2016: 2,700; 1,100; 1,400

HPMS Sections – AADT 2015: 2,759; 715; 1,400

HPMS Sections – AADT 2014: 2,700; 700; N/A

DOD Sections

Census Tracts

Functional Classification: MAJOR COLLECTOR (5)

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

Previous Projects: Project No., Date and Limits
- HVY–K–01–82M (R) 1982 (1.02–3.48)
- HWY–K–01–70, 1970 (R) (1.05–3.48)
- RS–0550(2) RESURFACE, SAFETY & IMPROV., 1982
- LAND AND NATURAL RESOURCES (CONST. & MAINT. BY D.O.T.) 1963
- 6.74 550B–01–74, (RESURF), 1974 (6.67–8.73)
- PHASE II
- COUNTY
- 8.73 550–A–01–73, (R), 1973

SCALE: (In Miles) 2" = 1 mile

Date Released	
Sept. 04	D.B.

Revised	
Sept. 06	D.B.
Mar. 09	D.B.
Sept. 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	D.B.
July 14	D.B.
Jan 16	C.R.
Aug. 16	D.B.
Feb. 18	D.B.

ROAD INVENTORY
KAUAI RTE 550
KOKEE ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

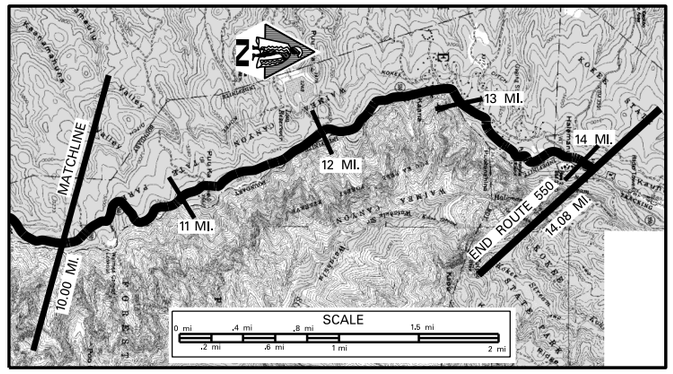
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 14.072 **miles**

a. Survey Length: 14.072 **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

550 B (7.37 MI.)

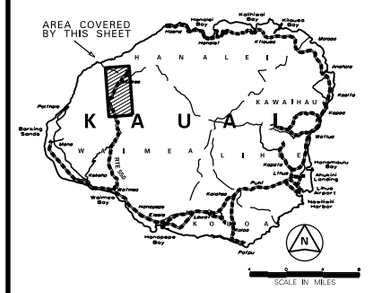
Structure Carrying Road

- 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	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 (560 + 56) (683 + 55)
Project No., Type of Construction, and Year Constructed	STP–0700(58), GUARDRAILS & SHOULDER IMPV., 2008
Project No., Type of Construction, and Year Constructed	550B–01–91M (RESURF.) 1991



Road Diagram

* MP = Milepost Signage

10.00 MI. CONTINUED FROM SHEET #1

SPUR WAIMEA CANYON LOOKOUT (10.330 mi., 10.315 mi.)

DIRT ROAD DIRT ROAD (11 MP)

CULVERT

KOKEE ROAD

(12 MP)

RD. TO CAMP HALE KOA (ECB (L))

RD. TO KOKEE METHODIST CAMP (13 MP)

ELEVATION 3500' PUU HINAHINA LOOKOUT

ROAD TO PACIFIC MISSILE RANGE FACILITY – HAWAIIAN AREA

MAKAHA ROAD (14 MP)

END RTE 550 ON KOKEE RD. AT THE ENTRANCE TO KOKEE STATE PARK ("END STATE HWY" SIGN). *14.072 MI.

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

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided

- Shoulder: Width and Type — VARIES 2'–6' GRASS
- Pavement: Width and Type — 16'–22' AC
- Shoulder: Width and Type — 0'–2' DIRT (10.386) 4'–6' GRASS (10.407) 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 (8'–11')
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	NONE
(Right Side)	NONE
Frontage Road: No. of Lanes, and Width (Right and Left)	NONE
Sidewalk: Width and Type (Right and Left)	NONE
Curb and/or Gutter: Type (Right and Left)	NONE
Protective Devices: Type, Location and Number — ALL METAL RAILS ON METAL POSTS	
Illumination: Type, Location and Number	NONE
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)	BADABCEFBECB E D ADEACDABACBAEDCAEDBAEADABEDABAEADCDE
Superelevation (Range)	
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)	B D E B C B A B C B C D C B C
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	SMALL URBAN (99998)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	MOUNTAINOUS (3)
Speed: 1–Design, 2–Posted	25 MPH (2) (NOT POSTED)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Stations (Current Year)	B73 0550 00672
HPMS Sections – AADT 2016	1,400
HPMS Sections – AADT 2015	1,400
HPMS Sections – AADT 2014	N/A
DOD Sections	
Census Tracts	
Functional Classification	MAJOR COLLECTOR (5)
National Highway System (NHS)	Not on NHS (0)
Previous Projects: Project No., Date and Limits	550A–01–73 (R) 1973 — 2.30 COUNTY — 550B –01–74 (R) 1974

SCALE: (In Miles) 2" = 1 mile

Date Released	
Sept 04,	D.B.

Revised	
Sept 06	D.B.
Mar. 09	D.B.
Sept 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	D.B.
July 14	D.B.
Jan 16	C.R.
Aug. 16	D.B.
Feb. 18	D.B.

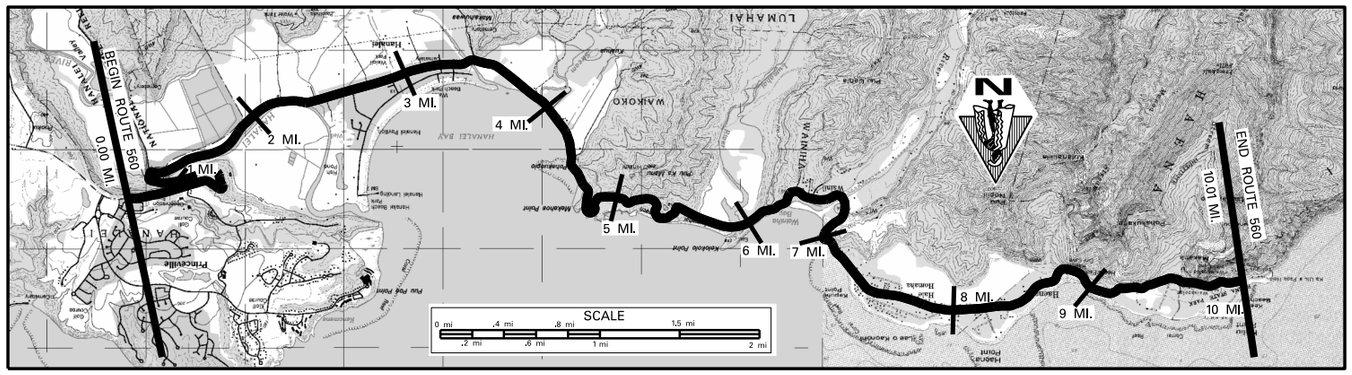
ROAD INVENTORY
KAUAI RTE 560
KUHIO HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 10.003 miles
- **a. Survey Length:** 10.003 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.

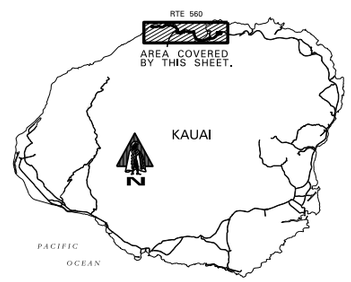
Structure Carrying Road

Bridges (Over 20'): Length, Type, Capacity and Year Constructed	Steel Pratt Truss 1912 H-10 113'; R.C. Flat Slab 1912, H-15 90'; R.C. Flat Slab 1912, H-15 188'; R.C. Flat Slab 1913, H-10 45'; Cont. Concrete 1968 HS 20 538'; Steel Truss Deck 1969, H10 42'; Steel Truss Deck 1973, H15 78'; Steel Truss Deck 1975, H15 146'
Vertical Clearance	1.20; 3.39; 3.31; 4.21; 5.87; 6.39; 6.48; 6.65
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'; Wire 15'–25'; Wire 50'; Wire 6'; Chain Link 6'; Wood 8'; Wood 10'; Wire 8'
Control of Access: 1–None, 2–Partial, 3–Full	None
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	State (469 + 92; 395 + 71)
Project No., Type of Construction, and Year Constructed	HRR-0560(12), SAFTEY IMPROVEMENTS, 2014
Project No., Type of Construction, and Year Constructed	560A-03-99, SHLDR. IMPRV. 2005



Road Diagram

* MP = Milepost Signage

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

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

END RTE 560 ON KUHIO HIGHWAY AT END OF THE PAVED HIGHWAY SECTION. 10.003 mi.

Road Diagram (0.000 mi. – 10.003 mi.): Hanalei Lookout Rd. to Princeville Crk.; Hanalei Plantation Rd.; End Divided, Begin Divided; Ohiki Road, Hanalei River Br. (1.222 mi., 1.197 mi.); Culvert, Bridge (1.598 mi., 1.576 mi.); Hanalei Museum Rd., Culvert; End Divided, Begin Divided, Alu Road, Driveway; Makolo Rd.; Mahimahi Rd.; Begin Divided, Driveway, Anae Road; Kuhio Highway; Waipa Bridge; Wahoo Road, Wahoo Bridge; Waikoko Bridge; ECB (R); Lumahai Bridge; Wahiawa Bridge #1; Anamalu Road; Wahiawa Br. #2, Ala Eke Road; Wahiawa Br. #3; Wahiawa Powerhouse; Alamihi Road; Alamihi Rd., Mikeala Place; Culvert #1 (R), Culvert #1 (L); Alamihi Road; Alealea Rd.; Haena Pl.; Culvert #2; Wet Cave, Ford Crossing; Wet Cave, Parking Area; Limahuli Stream Crossing; Haena State Park Boundary.

SCALE: (In Miles) 2" = 1 mile

Divided Highway – Undivided

Shoulder: Width and Type	2' AC/6' Grs.; 1'–2' AC; 4'–6' AC; 2' AC; 4' Grs.; 4' Grass; 0'–2' AC
Pavement: Width and Type	20'–24' AC; 19'–22' AC; 19'–20' AC; 18'–21' AC; 18'–22' AC; 18'–20' AC; 18'–23' AC
Shoulder: Width and Type	2' AC/6' Grass; 1' AC; 1'AC/6' Grass; 2'AC/6' Grass; 2' AC; 8' Grs.; 0'–1' AC; 2'–4' Grs.; 6'–8' Grass; 0'–2' AC
Median: Width and Type	(0'–5' Paint); (2' AC/10' Grs.)
Median Barriers:	
Shoulder: Width and Type	(0')
Pavement: Width and Type	(10'–12' AC); (10' AC)
Shoulder: Width and Type	(1' AC); (2' AC/10' Grass)

Number of Traffic Lanes	
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	
(Right Side)	Bus
Frontage Road: No. of Lanes, and Width (Right and Left)	None
Sidewalk: Width and Type (Right and Left)	
Curb and/or Gutter: Type (Right and Left)	(Conc. Gutter); (Conc. Curb); (2' Conc. Curb & Gutter); (Conc. Barrier)
Protective Devices: Type, Location and Number	All Metal on Metal unless otherwise noted.
Illumination: Type, Location and Number	14 M.V.; 5 M.V.
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)	
Superelevation (Range)	
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)	
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	Rural (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	Mountainous (3); Flat (1); Mountainous (3); Flat (1); Mountainous (3); Flat (1); Mountainous (3); Rolling (2)
Speed: 1–Design, 2–Posted	(Not Posted); 25 MPH (2); 35 MPH (2); 25 MPH (2); 35 MPH (2); 25 MPH (2); 35 MPH (2); 25 MPH (2); (5 MPH (2)); (No Sign, +Run Till 7.232 mi.); 25 MPH (2); Not Posted
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Stations (Current Year)	B73 0560 00000; B73 0560 00039; B73 0560 00265; B73 0560 00339; B73 0560 00678
HPMS Stations – AADT 2016	8,000; 8,700; 4,800; 3,200; 3,000
HPMS Stations – AADT 2015	8,000; 8,436; 4,800; 3,500; 2,300
HPMS Stations – AADT 2014	9,900; N/A; 6,500; 4,200; 2,800
DOD Sections	
Census Tracts	
Functional Classification	Minor Arterial (4); Major Collector (5)
National Highway System (NHS)	Not on NHS (0)
Previous Projects: Project No., Date and Limits	560A-01-96M, 1997; 560A-01-96M, 1997; 560A-01-96M, 1990; HWY-K-01-82M, 1982 (R); (S-0560(1), 1965); FR-0700(22) 1983 (R); FR-0700(22) 1988 (Resurf.); 560A-01-00M, (Resurf.) 2000; 560A-01-85M, (Resurf.) 1985; 560A-01-86M (R) 1986; (LT-K-03-80M (R) 1980); (56D-01-80, 1980 (Safety Improv. & Resurf.)); LT-K-03-80M 1980 (R); 56D-02-70 1970 County; (S-0560(1) 1965); 56D-02-70 1970; (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.
Sept. 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	E.P.J.
July 14	D.B.
Jan 16	C.R.
Aug. 16	D.B.
Feb. 18	D.B.

ROAD INVENTORY

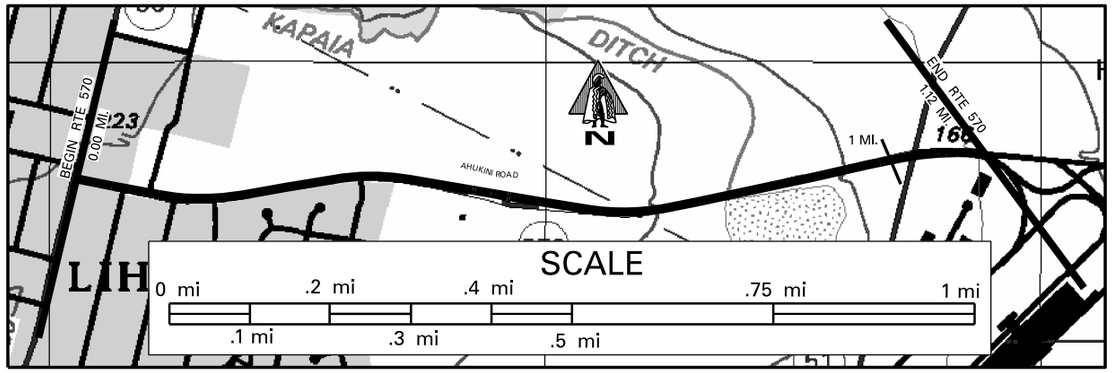
KAUAI RTE 570
AHUKINI ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 1.122 miles
- a. Survey Length: 1.122 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: 0.00 miles



SCALE: (In Miles) 10" = 1 mile

Maintenance Control Sections : Length and Description

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

Structure Over Road:
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) If varies: 120'

Available Right of Way Width (Needs Study): RESIDENTIAL (0.46) CLEAR 1000' – SUGAR CANE

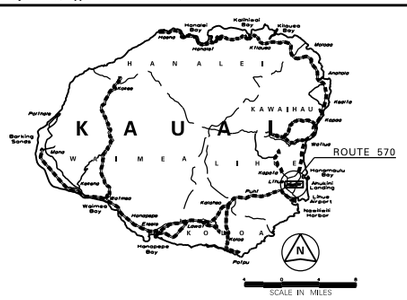
Right of Way Fence: Type – Right and Left: NONE

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

Jurisdiction, Transfer Phase No. and Date (C to S or S to C): STATE (0+53.12) (47+17.42)

Project No., Type of Construction, and Year Constructed: 570A–01–11MR, RESURFACE, 2016 (0.00–0.94)

Project No., Type of Construction, and Year Constructed: HWY–K–02–08 IMPRV., 2000 (0.12–0.29); 570A–01–92M (R), 1993 (0.29–0.97); 570A–01–15M, 2017 (0.97–1.12)



Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

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

END DIVIDED (0.020 MI., 0.006 MI.); AKAHI ST. (0.061 MI.); ENT. TO WALMART (0.095 MI.); BEG. DIVIDED ELUA ST. (0.129 MI., 0.126 MI.); UMI ST. (0.178 MI.); END DIVIDED TELEM. STA. 570003 (0.313 MI., 0.295 MI.); PALAI ST. (0.362 MI.); CANE HAUL ROADS (0.532 MI., 0.515 MI., 0.505 MI.); DRIVEWAY TO HELICOPTER TOURS (0.5 MP); AHUKINI ROAD; BEG. DIVIDED (0.925 MI.); KAPULE HWY (RTE 51) (1.001 MI., 1.065 MI.)

END RTE 570 ON AHUKINI ROAD 300' FROM THE CENTERLINE INTERSECTION WITH KAPULE HWY (RTE 51). (SAME AS "END STATE HIGHWAY" SIGN) *1.122 MI.

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

END ROUTE DESCRIPTION

SCALE: (In Miles) 10" = 1 mile

Divided Highway – Undivided:
- Shoulder: Width and Type: 6' GRAVEL; 8' AC
- Pavement: Width and Type: 11' AC; 22' AC; 11' AC; 22' AC; 12' AC
- Shoulder: Width and Type: 0; 0; 0; 6' GRAVEL; 0
- Median: Width and Type: 10'–3' PAINTED AC); 0'–12' PAINTED AC; 0'–12' PAINTED AC
- Median Barriers:
- Shoulder: Width and Type: 0; 0; 0
- Pavement: Width and Type: 11' AC; 11' AC; 12' AC
- Shoulder: Width and Type: 0; 0 (.171); 6' GRAVEL; 8' AC

Number of Traffic Lanes: 2–11'; 2–12'

Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side): (.020) 17'; (.061) 16'; (.095) 13'; (.122); (.178) 11'; (.313); (.925) 12'; (.975) 15'

(Right Side): SAME AS THROUGH LANE; (.000) 12'; (.962) 12'; (.995) 12'; (1.19)

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

Sidewalk: Width and Type (Right and Left): 4' CONC. (.171)

Curb and/or Gutter: Type (Right and Left): (CONC. CURB W/ 2' CONC. GUTTER)

Protective Devices: Type, Location and Number: NONE (.171)

Illumination: Type, Location and Number: MV

Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(< 28.62): A; B (0.20–0.41); A

Superelevation (Range)

Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(< 8.45): A; B (0.51)

Vertical Curve: Crest or Sag, Curve Limits

Area and Development: SMALL URBAN (99998)

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

Speed: 1–Design, 2–Posted: (Not Posted); 35 MPH (2); NOT POSTED 35 MPH (2) (.962); (25 MPH (2))

Intersection Control Devices: Type, Location and Cycle Timing: (.029); 3 PHASE (.940) (.99)

Traffic Stations (Current Year): B73 0570 00000; B73 0570 00036; (B73 0570 00106)

HPMS Sections – AADT 2016: 13,600; 11,100; 9,400

HPMS Sections – AADT 2015: 12,800 (0.36); 13,200; 9,400

HPMS Sections – AADT 2014: (.029) 10,100; 12,700; (1.01) 8,900

DOD Sections

Census Tracts

Functional Classification: PRINCIPAL ARTERIAL (3)

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

Previous Projects: Project No., Date and Limits: 570A–01–92M (R), 1993 (0.31–0.97); F–056–1(7), 1988; S–0570 (1), 1964

SCALE: (In Miles) 10" = 1 mile

Date Released
Oct. 04, D.B.

Revised	
Sept. 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	D.B.
July 14	D.B.
Jan 16	C.R.
Aug. 16	D.B.
Feb. 18	D.B.

ROAD INVENTORY

KAUAI RTE 580
KUAMOO ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

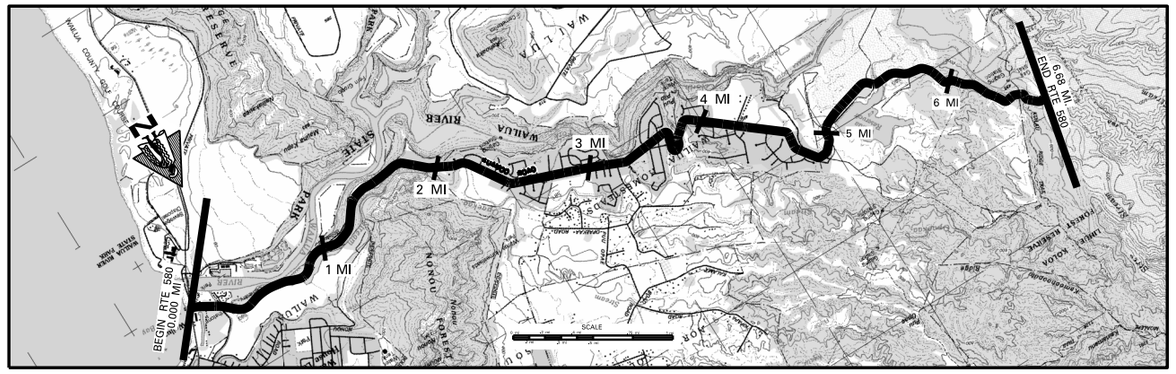
PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Designated Route Length: 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'
- Vertical Clearance
- Horizontal Clearance: 24'

Structure Carried Over Road
- Vertical Clearance
- 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'

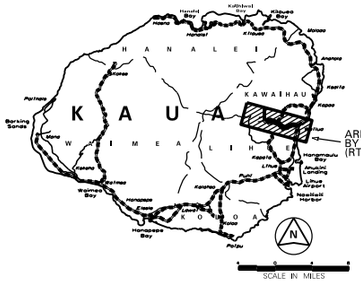
Right of Way Fence: Type – Right and Left: W/W 20'REP WOOD; WIRE ON WOOD 15'REP; W/W

Control of Access: 1–None, 2–Partial, 3–Full: (580A–01–14, SLOPE STABALIZATION, 2016)

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

Project No. and Type of Construction: HRRP–0580(4), SAFETY IMPRV., 2011; (STP–0700(58), GUARDRAILS, 2008); (STP–0700(58), GUARDRAILS, 2008); 580A–01–07M, RESURFACE, 2008

Year Project Constructed (STP–0700(38), 1998): 580A–01–06M, (R) 2007; 580A–01–01, (R) 2002; 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)

0.000 MI. — KUAMOO ROAD — END RTE 580 ON KUAMOO ROAD AT THE BEG OF FORD CROSSING. *6.68 MI.

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

Key points: WAILUA RIVER STATE PARK EXIT; OPAEKAA BRIDGE; 1 MP; FOUNTAIN, HIEIAU STATE PARK ROADS; KAMILOA HAWAIIAN VILLAGE; 2 MP; 3 MP; 4 MP; 5 MP; GULVERT; KULAU RIDGE TRAIL; FOREST RESERVE SIGN; END OF VIDEOLOG

SCALE: (In Miles) 2" = 1 mile

Divided Highway — Undivided
- Shoulder: Width and Type: 4' AC | 6' AC | 4' AC | 4' – 6' AC | 12'–24' GRS | 6' – 12' GRS | 2' – 4' GRS
- Pavement: Width and Type: 21'–22' AC | 20' AC | 18' AC | 15'–16' AC
- Shoulder: Width and Type: (2'–4' AC) | 4' AC | 6' AC (BEGIN C/L & SHLDRS RUMBLE STRIPS) | 4' AC (END C/L & SHLDRS RUMBLE STRIPS) | 4' – 6' AC | 12–24' GRS | 6' – 12' GRS | 2' – 4' GRS

Divided Highway — Median
- Median: Width and Type

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

Number of Traffic Lanes: 1–10'/11' | 1–10' | 2 – 10' | 2 – 9' | 1–7'/8' | 1–8'

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): NONE

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

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

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

Illumination: Type, Location and Number

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

Superelevation (Range)

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

Vertical Curve: Crest or Sag, Curve Limits

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

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

Speed: 1–Design, 2–Posted: 35 MPH (2) | 35 MPH (2) | 25 MPH (2); (NOT POSTED)

Intersection Control Devices: Type, Location and Cycle Timing: TRAFFIC SIGNAL

Traffic Stations (Current Year): B73 0580 00000 | B73 0580 00163 | B73 0580 00277 | B73 0580 00349

HPMS Sections – AADT 2016: 8,300 | 8,500 | 3,500 | 1,700

HPMS Sections – AADT 2015: 9,500 | 8,600 | 3,800 | 2,300

HPMS Sections – AADT 2014: 9,300 | 7,600 | 3,100 | 2,000

DOD Sections

Census Tracts

Functional Classification: MINOR ARTERIAL (4) | MAJOR COLLECTOR (5) | MINOR COLLECTOR (6)

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

Previous Projects: Project No., Date and Limits
- HRRP–0580(4), SAFETY IMPRV., 2011
- 580A–01–07M, RESURFACE, 2008
- STP–0700(38), 1998
- 580A–01–06M (R) 1988
- 580A–01–99M, (R) 2000
- 580A–01–03M, (RESURFACE) 1994
- RS–0650(2), (RESURFACE AND IMPROVEMENTS), 1980
- 580A–01–06M(R), 1988
- COUNTY, MAINTAINED BY STATE
- 580A–01–70(R), 1971
- A–580–01–64 PHASE 2 1964
- (A–580–01–64 PHASE I, 1965)
- WRDC–15(1), 1947
- COUNTY

SCALE: (In Miles) 2" = 1 mile

Date Released
March 95

Revised	
Pat Tom	3–95
Pat Tom	6–95
JK	4–96
JK	5–97
DB	2–08
DB	3–09
DB	12–09
DB	9–10
DB	2–11
DB	2–12
EPJ	2–13
EPJ	12–13
DB	7–14
Jan 16	C.R.
Aug. 16	D.B.
Feb. 18	DB

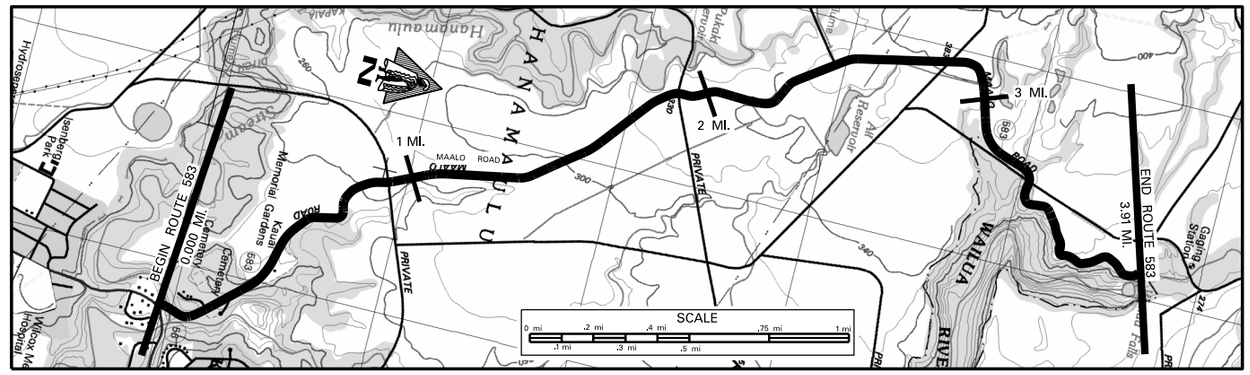
ROAD INVENTORY
KAUAI RTE 583
MAALO ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

Total Route Length: 3.91 miles
- a. Survey Length: 3.91 miles
- b. Proposed Length: 0.00 miles
- c. Other Length: 0.00 miles



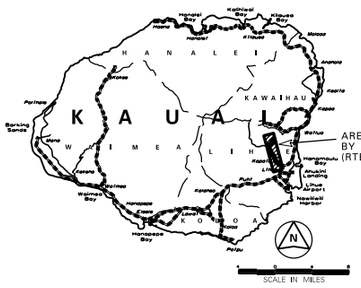
SCALE: (In Miles) 4" = 1 mile

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 3.91

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

Structure Over Road
- Vertical Clearance
- Horizontal Clearance

Right of Way Width (min.–max.) If varies	60'
Available Right of Way Width (Needs Study)	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
Project No., Type of Construction, and Year Constructed	STP–0583(002), GUARDRAILS AND SHOULDERS, 2015
Project No., Type of Construction, and Year Constructed	(583A–01–71, 1971) ARR–0583(1) RESURF., 2010 / 583–01–95M (RESURFACE) 1996 / 583A–01–07M, RESURF., 2009 / 583A–01–01M, RESURFACE, 2005 / 583A–01–71, 1971



Road Diagram
* MP = Milepost Signage

BEGIN RTE 583 ON MAALO RD. AT THE NORTHWEST EDGE OF PAV'T OF KUHIO HWY. (RTE 56) 0.000 mi.

Milepost	Feature
0.034 MI. / 0.030 MI.	BRIDGE (1927)
0.165 MI.	ROAD
0.245 MI.	RD TO CEMETERY
0.497 MI. / 0.470 MI.	TELEM. STA. 583004 KAUAI MEMORIAL GARDENS ROAD
0.68 MI.	CULVERT
0.822 MI.	CULVERT
0.96 MI. / 0.921 MI.	QUARRY ROAD (L) CANE HAUL RD. (R)
1.39 MI.	ECB (L)
1.82 MI.	CULVERT
1.91 MI.	DIRT ROAD
2.25 MI.	CANE HAUL ROAD
2.45 MI.	CANE HAUL ROAD
2.60 MI. / 2.57 MI.	CANE HAUL ROAD CULVERT
2.81 MI.	PAVED ROAD
2.81 MI. / 2.97 MI.	CULVERT
3.32 MI. / 3.31 MI.	HWY OVERPASS CULVERT
3.45 MI.	CULVERT
3.57 MI.	DIRT ROAD
3.84 MI.	CULVERT

MAALO ROAD

* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '15 VIDEOLOG & '15 FEATURES DATABASE.
END RTE 583 ON MAALO RD. AT THE END OF PAVEMENT. *3.91 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' (2.38) 4' (3.01) 8' (3.13) 4'–6' (3.82) 4' (3.79) 2'
Pavement: Width and Type	20' AC (1.98) 18' AC (2.80) 17'–20' AC
Shoulder: Width and Type	GRASS 2'–4' (0.10) 6'–8' (0.78) 4'–6' (2.24) 3' (2.34) 6' (2.94) 2'–4' (3.16) 8' (3.43) 6'
Median: Width and Type	
Median Barriers:	
Shoulder: Width and Type	
Pavement: Width and Type	
Shoulder: Width and Type	

Number of Traffic Lanes	2–10' (1.98) 2–9' (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, 3.90 – 3.91)
Frontage Road: No. of Lanes, and Width (Right and Left)	None
Sidewalk: Width and Type (Right and Left)	(STEEL RAILING ON CONCRETE WALL)
Curb and/or Gutter: Type (Right and Left)	.867 .237 .692 .672 .832 .804 1.10 1.06 1.30 1.27 .185 1.81 2.59 2.63 2.98 2.95 3.31 3.20 3.45 3.41 3.78 3.65 3.85 3.84
Protective Devices: Type, Location and Number	ALL METAL ON METAL UNLESS OTHERWISE NOTED
Illumination: Type, Location and Number	.543 .858
Curves Class: +/– Degree (A(0–3.45) B(3.45–5.44) C(5.44–8.48) D(8.48–13.85) E(13.85–28.62) F(<28.62)	E 0.01 D 0.15 A 0.32 B 0.46 0.47 0.57 AE 0.63 A 0.68 F 0.73 E 0.83 C 0.95 B 0.99 A 1.03 B 1.11 A 1.28 C 1.38 A 1.56 B 1.62 A 1.86 CA 1.98 D 2.05 AB 2.14 D 2.26 A 2.27 D 2.31 A 2.47 C 2.56 A 2.84 D 2.97 A 3.08 C 3.21 A 3.26 E 3.49 CBA 3.53 DE 3.60 FE 3.67 FC 3.74 E
Superelevation (Range)	
Grades Class: +/– % (A(0–.45) B(.45–2.45) C(2.45–4.45) D(4.45–6.45) E(6.45–8.45) F(<8.45)	C 0.12 D 0.65 B 1.12 A 1.25 B 2.20 A 2.26 B 2.53 A 2.61 B 2.92 C 3.20 B
Vertical Curve: Crest or Sag, Curve Limits	
Area and Development:	SMALL URBAN (99998) 0.92 / RURAL (99999)
Terrain: 1–Flat, 2–Rolling, 3–Mountainous	ROLLING (2)
Speed: 1–Design, 2–Posted	25 MPH (2) / 2.25 NOT POSTED 25 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing	
Traffic Stations (Current Year)	B73 0583 00000
HPMS Sections – AADT 2016	1,200 (0.92)
HPMS Sections – AADT 2015	1,100
HPMS Sections – AADT 2014	1,200
DOD Sections	
Census Tracts	
Functional Classification	MINOR COLLECTOR (6) 0.92 / LOCAL (7)
National Highway System (NHS)	NOT ON NHS (0)
Previous Projects: Project No., Date and Limits	0.01 PHASE II 583A–01–71, 1971; 0.50 583–01–95M (RESURFACE) 1996; HWY–K–01–70 (PHASE II), 1970; 1.98; 2.30; 2.97; 583A–01–71, 1971; 583A–01–01M, RESURFACE, 2005

SCALE: (In Miles) 4" = 1 mile

Date Released	
Oct. 04,	D.B.

Revised	
Jan. 06	D.B.
Sept. 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Dec. 13	D.B.
July 14	D.B.
Jan 16	C.R.
Aug. 16	D.B.
Feb. 18	D.B.

ROAD INVENTORY

KAUAI RTE 5600
TEMPORARY KAPAA BY-PASS RD.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAYS PLANNING BRANCH

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

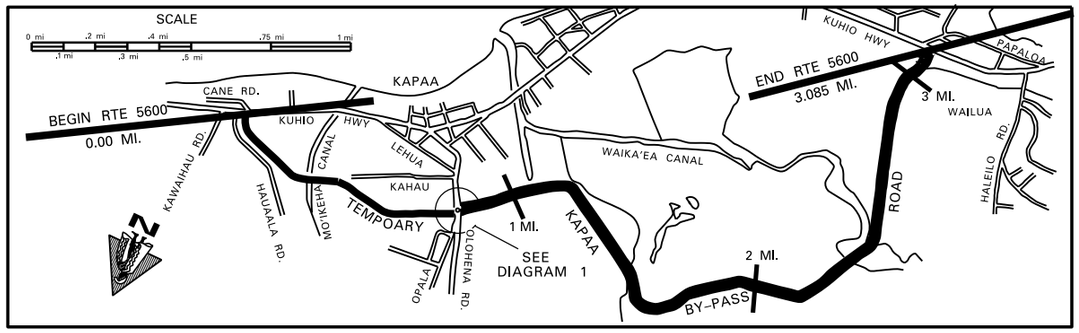
Total Route Length: 3.085 miles

a. Survey Length: 3.085 miles

b. Proposed Length: 0.00 miles

c. Other Length: * 0.00 miles

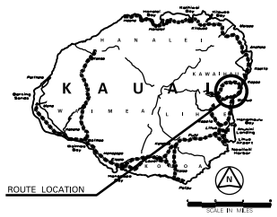
*



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed	ACROW PANEL TRUSS, HL-93, 2006 — 94'
	Vertical Clearance	27'
	Horizontal Clearance	16'- 4"
Structure Over Road	Vertical Clearance	
	Horizontal Clearance	
Right of Way Width (min.-max.) If varies		80' 60' 100' 60' 120' 100' 60' 100' 60'
Available Right of Way Width (Needs Study)		
Right of Way Fence: Type - Right and Left		6' CHAINLINK FENCE 25'-30' FROM E.P. / WIRE 35'-40' FROM E.P.
Control of Access: 1-None, 2-Partial, 3-Full		PARTIAL
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)		STATE / COUNTY / STATE
Project No., Type of Construction, and Year Constructed		56A-03-00, NEW CONSTRUCTION, 2007 / 5600-01-10M, BRIDGE REPAIR, 2012
Project No., Type of Construction, and Year Constructed		56A-02-95

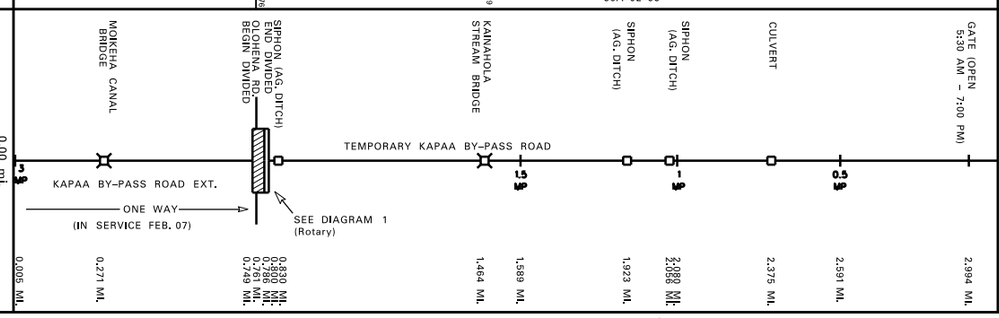


Indicates Grass & / or Physical Barrier on Median.

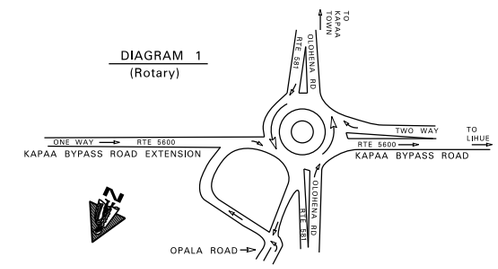
Road Diagram

* MP = Milepost Signage

BEGIN KAPAA BY-PASS ROAD AT THE NORTH WEST E.P. WITH KUHIO HIGHWAY (RTE 56). 0.00 mi.



* NOTE: ROUTE LENGTH ADJUSTED TO MATCH '17 VIDEOLOG & '17 FEATURES DATABASE.
END KAPAA BY-PASS ROAD AT THE NORTH E.P. OF KUHIO HWY (RTE 56).
*3.085 MI.



SCALE: (In Miles) 4" = 1 mile

Divided Highway — Undivided	Shoulder: Width and Type	2' AC / 2' AC
	Pavement: Width and Type	11' AC (ONE WAY (+) DIRECTION) / 22' AC
	Shoulder: Width and Type	5' AC / 2'-4' AC
	Median: Width and Type	(100' CONC. ROUNDABOUT)
	Shoulder: Width and Type	(0)
	Pavement: Width and Type	(15' AC)
	Shoulder: Width and Type	(0)
Number of Traffic Lanes		1-11' / 2-11'
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	
Illumination: Type, Location and Number		
Curves Class: +/- Degree (A(0-3.45) B(3.45-5.44) C(5.44-8.48) D(8.48-13.85) E(13.85-28.62) F(<28.62)		
Grades Class: +/- % (A(0-.45) B(.45-2.45) C(2.45-4.45) D(4.45-6.45) E(6.45-8.45) F(<8.45)		
HOV Lanes/Contra-Flow Lanes		
Vertical Curve: Crest or Sag, Curve Limits		
Area and Development:		SMALL URBAN (99998)
Terrain: 1-Flat, 2-Rolling, 3-Mountainous		FLAT (1) / ROLLING (2)
Speed: 1-Design, 2-Posted		25 MPH (2) / (25 MPH (2)) / 35 MPH (2) / 25 MPH (2) / 35 MPH (2) / (NOT POSTED) / (25 MPH (2))
Intersection Control Devices: Type, Location and Cycle Timing		
Traffic Stations (Current Year)		B73 5600 00000 / (B73 5600 00075) / B73 5600 00079 / B73 5600 00108 / B73 5600 00220
HPMS Sections - AADT 2011		2,300 / (102) / 5,900 / 5,900 / 6,700
HPMS Sections - AADT 2010		2,323 / (2,323) / 5,900 / 5,900 / 6,700
HPMS Sections - AADT 2009		2,300 / (2,300) / 5,300 / 5,300 / 5,300
DOD Sections		
Census Tracts		
Functional Classification		LOCAL ROAD (7)
National Highway System (NHS)		NOT ON NHS (0)
Previous Projects: Project No., Date and Limits		

Date Released	
May 2006	D.B.

Revised	
Sept. 06	D.B.
Dec. 07	D.B.
Sept. 10	D.B.
Feb. 11	D.B.
Feb. 12	D.B.
Sept. 12	E.P.J.
Feb. 18	D.B.

SCALE: (In Miles) 4" = 1 mile