



COUNTY OF HAWAII

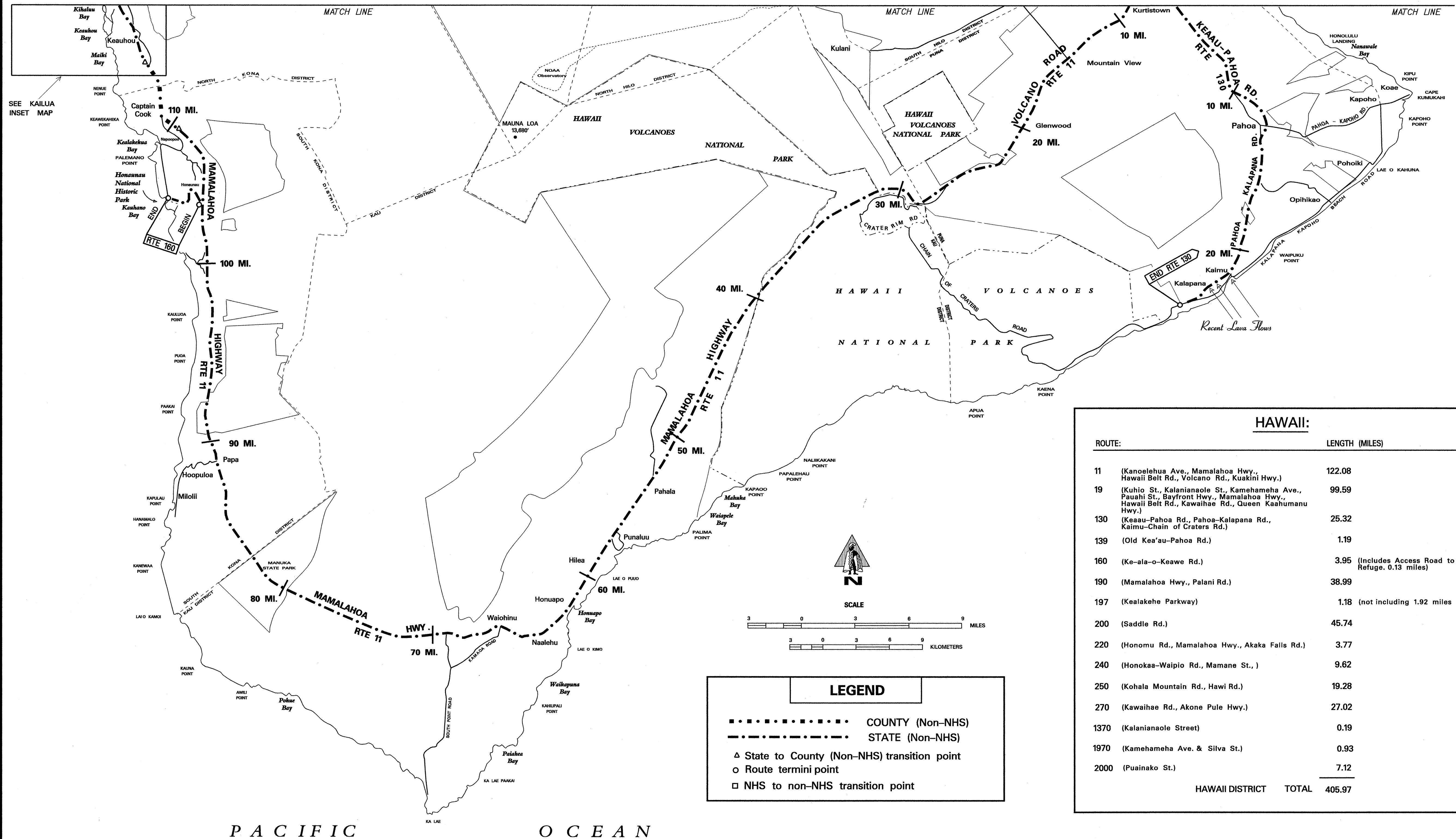
ISLAND OF HAWAII

DEPARTMENT OF TRANSPORTATION

PREPARED BY THE HIGHWAYS DIVISION, PLANNING BRANCH
IN COOPERATION WITH THE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

DECEMBER 2004



HAWAII:		
ROUTE:		LENGTH (MILES)
11	(Kanoelehua Ave., Mamalahoa Hwy., Hawaii Belt Rd., Volcano Rd., Kuakini Hwy.)	122.08
19	(Kuhio St., Kalaniana'ole St., Kamehameha Ave., Pauahi St., Bayfront Hwy., Mamalahoa Hwy., Hawaii Belt Rd., Kawaihae Rd., Queen Kaahumanu Hwy.)	99.59
130	(Keaau-Pahoa Rd., Pahoa-Kalapana Rd., Kaimu-Chain of Craters Rd.)	25.32
139	(Old Kea'au-Pahoa Rd.)	1.19
160	(Ke-ala-o-Keawe Rd.)	3.95 (Includes Access Road to City of Refuge. 0.13 miles)
190	(Mamalahoa Hwy., Palani Rd.)	38.99
190	(Kealahike Parkway)	1.18 (not including 1.92 miles Proposed)
200	(Saddle Rd.)	45.74
220	(Hononu Rd., Mamalahoa Hwy., Akaka Falls Rd.)	3.77
240	(Honokaa-Waipio Rd., Mamane St.,)	9.62
250	(Kohala Mountain Rd., Hawi Rd.)	19.28
270	(Kawaihae Rd., Akone Pule Hwy.)	27.02
1370	(Kalaniana'ole Street)	0.19
1970	(Kamehameha Ave. & Silva St.)	0.93
2000	(Puainako St.)	7.12
HAWAII DISTRICT TOTAL		405.97

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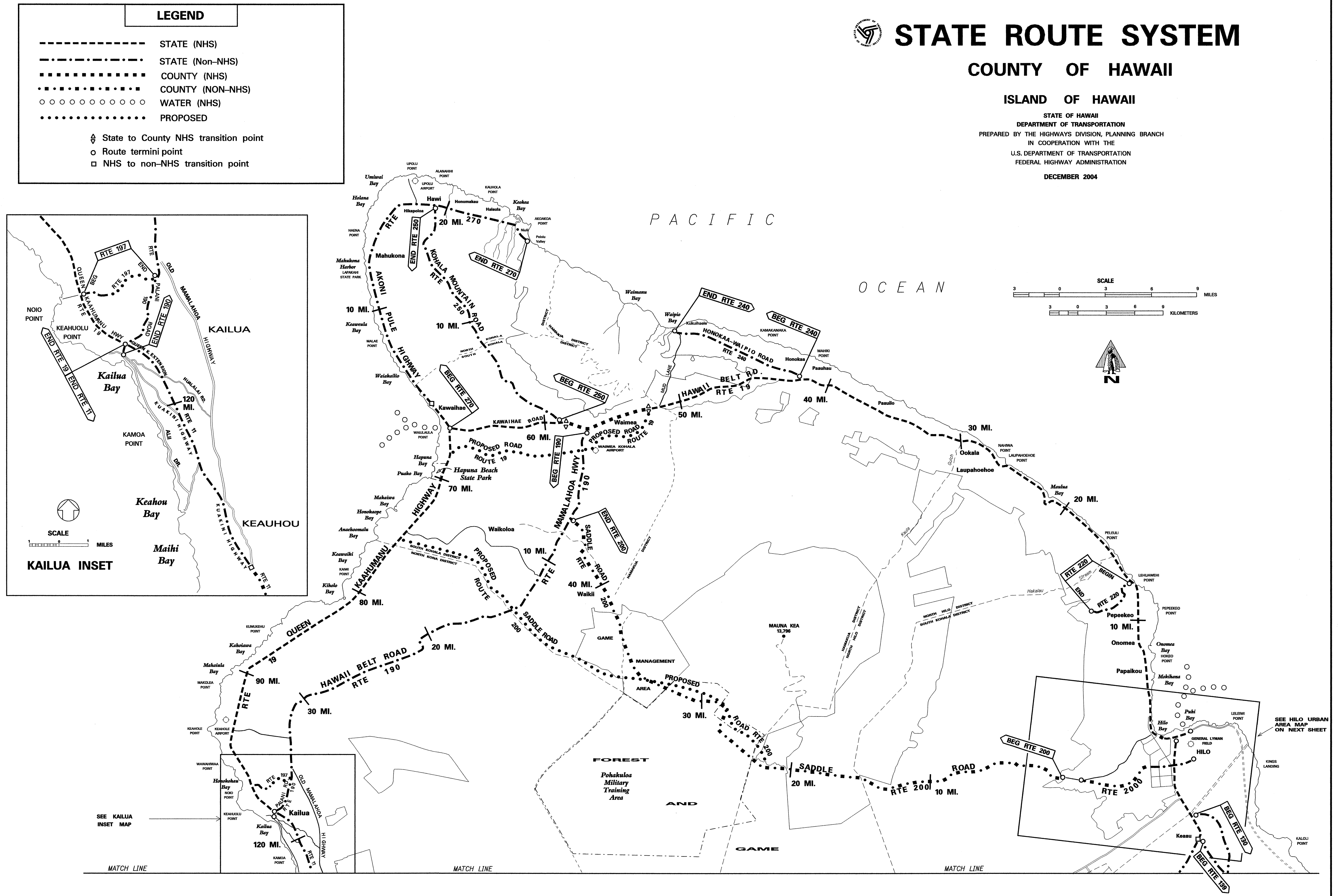
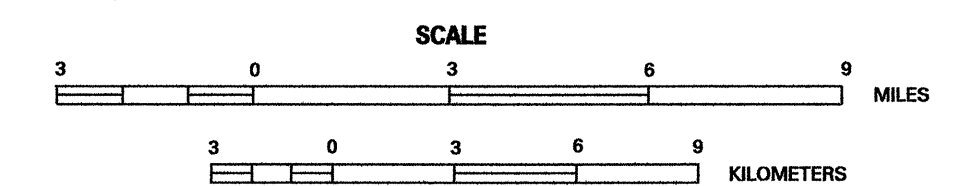
STATE ROUTE SYSTEM

COUNTY OF HAWAII

ISLAND OF HAWAII

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 2004



SEE HILO URBAN
AREA MAP
ON NEXT SHEET

KALOU
POINT

Date Released	
Dec 2002, JK	
Revised	
Feb 03	D.B.
May 04	D.B.



DECEMBER 2004

[illegible]

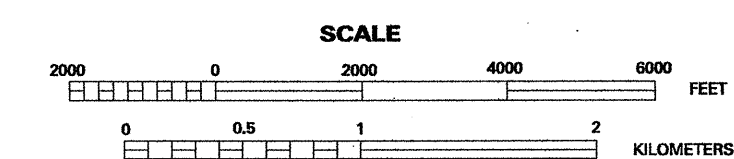
RTE 1970
Begin @ S.E. E.P. of Traffic Circle
on Kamehameha Ave.
End on Silva St. @ S.E.P. of
Kalaniana'ole Street across
Hilo Harbor Entrance.

RTE 1370
Begin @ E. E.P. of Kuhio St.
& Kalanianaʻole Street .
End @ W.E.P. of 2nd (East)
Hilo Harbor Entrance driveway.

O C E A N

GENERAL LYMAN FIELD

**Keaukaha
Military
Reservation**



- - - - - STATE (NHS)
 - . - . - . - . - . STATE (Non-NHS)
 ■ ■ ■ ■ ■ COUNTY (NHS)
 ■ ■ ■ ■ ■ COUNTY (NON-NHS)
 ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ WATER (NHS)
 PROPOSED

○ Route termini point
 ■ STATE to COUNTY transition point

③

ROAD INVENTORY

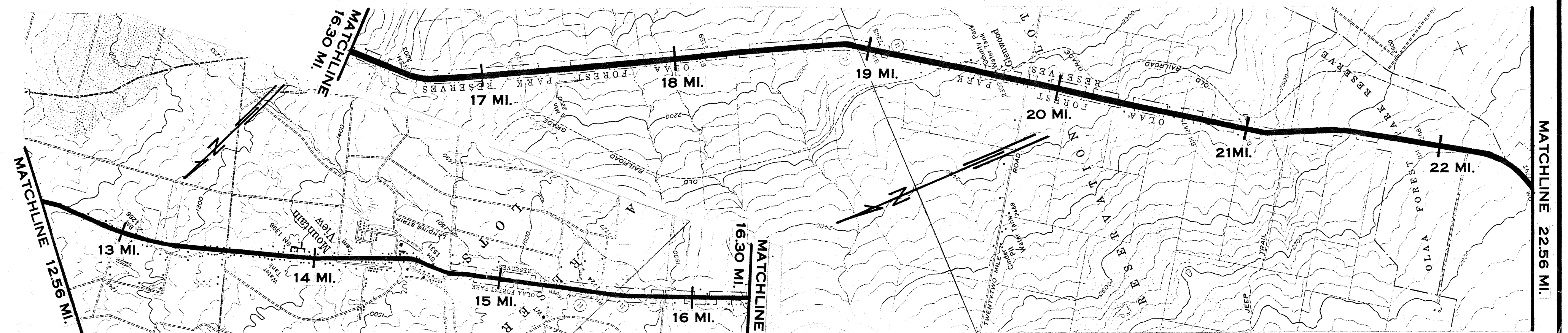
HAWAII RTE.11 VOLCANO RD.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
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FEDERAL HIGHWAY ADMINISTRATION

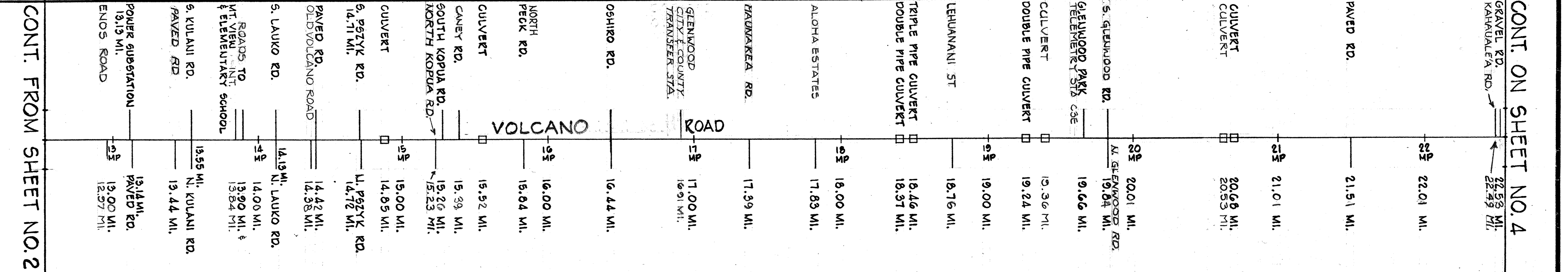
Total Designated Route Length: 122.08 MILES (a+b)
a. Existing Length: 122.08 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 122.08 MILES (a+b, less c)
a. Existing Length: 122.08 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: NONE MILES(-)

NEEDS STUDY ROUTE NO. FUNCTIONAL CLASSIFICATION



SCALE: (In Miles)		12.56 MI.	113	114	115	116	117	118	119	120	121	122	22.56 MI.
Maintenance Control Sections: Length and Description		11 OT (5.00 mi.)											
ADT Sections; ADT; Traffic Count and Truck Weight Stations		11 OB (11.69 mi.)											
Struct. Over Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed												
	Vertical Clearance												
Struct. Over Road	Horizontal Clearance												
	Vertical Clearance												
Struct. Over Road	Horizontal Clearance												
	Right of Way Width (min. - max.) if varies	80'-144'											
Available Right of Way Width (Needs Study)		RESIDENTIAL											
Right of Way Fence: Type - Right and Left		LARGE TREES AND BRUSH											
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. and Type of Construction		STP-011-2(29) RESURF. 1996											
Year Project Constructed		1993											

Road Diagram



SCALE: (In Miles)		12.56 MI.	113	114	115	116	117	118	119	120	121	122	22.56 MI.
Divided Hwy.	Shoulder: Width and Type	8'-10" GRAVEL											
	Pavement: Width and Type	6' AC											
	Shoulder: Width and Type	8'-10" GRAVEL											
	Median: Width and Type	6' AC											
Divided Hwy.	Shoulder: Width and Type	8'-10" GRAVEL											
	Pavement: Width and Type	6' AC											
	Shoulder: Width and Type	8'-10" GRAVEL											
	Median: Width and Type	6' AC											
Number of Traffic Lanes		2-12'											
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)													
(Right Side)													
Frontage Road: No. of Lanes, and Width (Right and Left)													
Sidewalk: Width and Type (Right and Left)		4' AC FOOTPATH											
Curb and/or Gutter: Type (Right and Left)													
Protective Devices: Type, Location and Number		ALL Guardrails Metal on Concrete											
Illumination: Type, Location and Number		LOW PRESSURE SODIUM											
Curves: Degree of Curvature (Right or Left)													
Superelevation (Range)													
Grades: % Grade, Positive or Negative													
Vertical Curve: Crest or Sag, Curve Limits													
Area and Development:		RURAL											
Terrain: 1-Flat, 2-Rolling, 3-Mountainous		ROLLING											
Speed: 1-Design, 2-Posted		55 MPH @ MIN. 40 MPH											
Intersection Control Devices: Type, Location and Cycle Timing													
Sight Distance: Minimum Passing PSD-													
Minimum Stopping SSD-													
Pavement Stripping: No Passing Zones-		STP-011-2(29) RESURF. 1996											
Capacity: Service Volume-E-		11M-01-71 1971											
Previous Projects: Project No., Date and Limits		F-2(4) 1948											
Functional Classification		MINOR ARTERIAL											
SCALE: (In Miles)		12.56 MI.	113	114	115	116	117	118	119	120	121	122	22.56 MI.

Date Released	
RO	10/81
J.K.	OCT 84
B.Y.	JULY 90
B.Y.	DEC 90
RT.	JUNE 94
D.B.	AUG 97
D.B.	FEB 99
D.B.	OCT. 00
D.B.	FEB 04

ROAD INVENTORY HAWAII RTE.11 MAMALAHOA HWY. - VOLCANO ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PREPARED BY THE
HIGHWAY PLANNING BRANCH
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FEDERAL HIGHWAY ADMINISTRATION

Total Designated Route Length: 122.08 MILES (a+b)
a. Existing Length: 122.08 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 122.08 MILES (a+b, less c)
a. Existing Length: 122.08 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: NONE MILES(-)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____

SCALE: (In Miles)

Maintenance Control Sections: Length and Description

ADT Sections; ADT; Traffic Count and Truck Weight Stations

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

Vertical Clearance

Horizontal Clearance

Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study)

Right of Way Fence: Type - Right and Left

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

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

Project No. and Type of Construction

Year Project Constructed

Road Diagram

SCALE: (In Miles)

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right or Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Speed: 1-Design, 2-Posted

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD-

Minimum Stopping SSD-

Pavement Striping: No Passing Zones

Capacity: Service Volume - E PREVIOUS PROJECTS:

Previous Projects: Project No., Date and Limits

Functional Classification

SCALE: (In Miles)

HPMS Sections

Date Released

Revised

RO 10/81

J.K. OCT 84

J.K. May 86

R.O. 6/86

B.Y. 7/90

B.Y. 12/90

B.Y. 2/92

JK 6/93

PT 7-94

DB AUG 97

DB FEB 99

ROAD INVENTORY HAWAII RTE.11 MAMALAHOA HWY.

STATE OF HAWAII
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HIGHWAYS DIVISION
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FEDERAL HIGHWAY ADMINISTRATION

Total Designated Route Length: 122.08 MILES (a+b)
a. Existing Length: 122.08 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 122.08 MILES (a+b, less c)
a. Existing Length: 122.08 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: NONE MILES(-)

NEEDS STUDY ROUTE NO. FUNCTIONAL CLASSIFICATION

SCALE: (In Miles)

Maintenance Control Sections: Length and Description

ADT Sections: ADT, Traffic Count and Truck Weight Stations

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

Vertical Clearance
Horizontal Clearance

Vertical Clearance
Horizontal Clearance

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

Available Right of Way Width (Needs Study)

Right of Way Fence: Type - Right and Left

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

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

Project No. and Type of Construction

Year Project Constructed

Road Diagram

SCALE: (In Miles)

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

Median: Width and Type

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

Number of Traffic Lanes

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

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number All Metal On Metal Guardrails

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right or Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Speed: 1-Design, 2-Posted

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD-

Minimum Stopping SSD- PREVIOUS PROJECTS:

Pavement Stripping- No Passing Zones- PREVIOUS PROJECTS:

Capacity-Service Volume-E- PREVIOUS PROJECTS:

Previous Projects: Project No., Date and Limits

Functional Classification

SCALE: (In Miles)

HPMS Sections

Date Released	Revised
RO	10/81
J.K.	OCT 84
J.K.	May 86
B.Y.	July 90
B.Y.	OCT 90
B.Y.	FEB 92
J.K.	June 93
PT	JULY 94
pt.	July 95

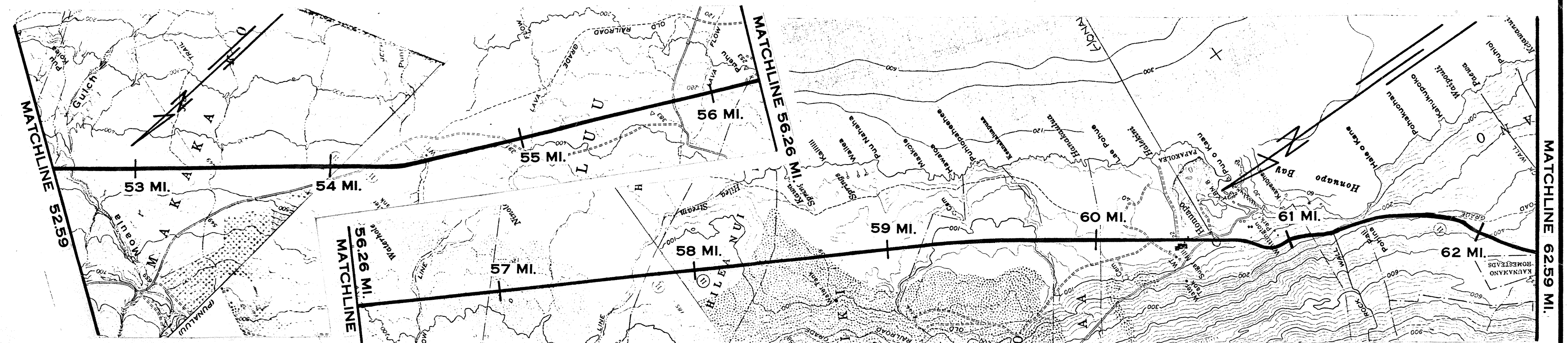
PL 12-95
D.B. AUG 97
D.B. FEB. 99
D.B. OCT. 00

ROAD INVENTORY HAWAII RTE.11 MAMALAHOA HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
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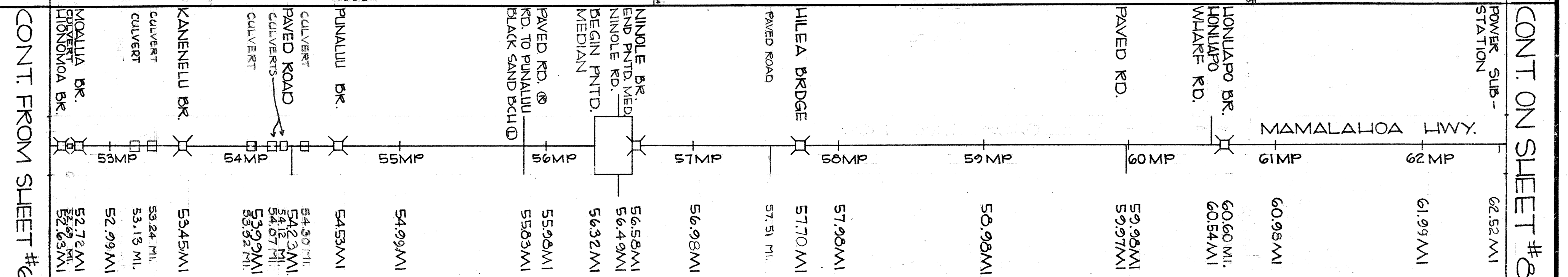
Total Designated Route Length: 122.08 MILES (a+b)
a. Existing Length: 122.08 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 122.08 MILES (a+b, less c)
a. Existing Length: 122.08 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: NONE MILES(-)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles)		52.59	53	54	55	56	57	58	59	60	61	62	62.59
Maintenance Control Sections: Length and Description		11 11 (25.78 mi.)											
ADT Sections: ADT, Traffic Count and Truck Weight Stations		11 12 (9.46 mi.)											
Struct. Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed	CONC. FRAME 1950, H-15 24' 124' 24' 124' 124' 124' 124' 124' 124' 124' 124' 124' 124'											
	Vertical Clearance	24' 24' 24' 24' 24' 24' 24' 24' 24' 24' 24' 24' 24'											
Struct. Over Road	Horizontal Clearance	24' 24' 24' 24' 24' 24' 24' 24' 24' 24' 24' 24' 24'											
	Vertical Clearance	60'-80'											
Right of Way Width (min. - max.) if varies		60'-80'											
Available Right of Way Width (Needs Study)		BUSHES, LARGE TREES on Lava Rock cut slopes											
Right of Way Fence: Type - Right and Left		WIRE on WOOD 15' from pavement @ @											
Control of Access: 1-None, 2-Partial, 3-Full		NONE											
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)		STATE											
Project No. and Type of Construction		COUNTY P-1942 1974											
Year Project Constructed		1996											

Road Diagram



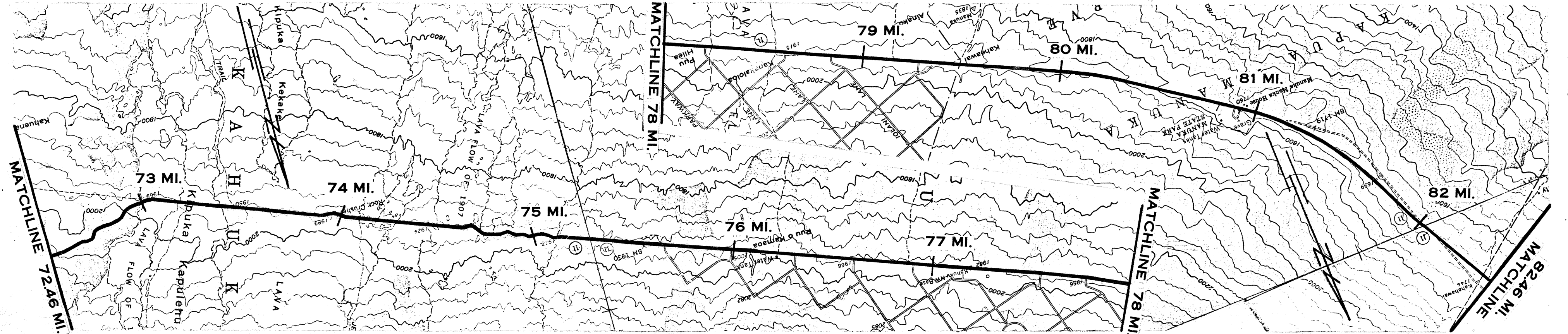
SCALE: (In Miles)		52.59	53	54	55	56	57	58	59	60	61	62	62.59
Divided Hwy.	Shoulder: Width and Type	4'-6" AC											
	Pavement: Width and Type	20' AC											
	Shoulder: Width and Type	4'-6" AC											
	Median: Width and Type	10'-18" AC											
	Shoulder: Width and Type	4'-6" AC											
	Pavement: Width and Type	20' AC											
Number of Traffic Lanes		2-10'											
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)		12' TURNING LANES											
(Right Side)		METAL ON METAL											
Frontage Road: No. of Lanes, and Width (Right and Left)		METAL ON CONCRETE GUARDRAILS											
Sidewalk: Width and Type (Right and Left)		RURAL											
Curb and/or Gutter: Type (Right and Left)		ROLLING											
Protective Devices: Type, Location and Number		MOUNTAINOUS											
Illumination: Type, Location and Number		45 MPH @											
Curves: Degree of Curvature (Right or Left)		55 MPH @ - MINIMUM 40 MPH											
Superelevation (Range)		RURAL											
Grades: % Grade, Positive or Negative		ROLLING											
Vertical Curve: Crest or Sag, Curve Limits		MOUNTAINOUS											
Area and Development:		ROLLING											
Terrain: 1-Flat, 2-Rolling, 3-Mountainous		MOUNTAINOUS											
Speed: 1-Design, 2-Posted		45 MPH @											
Intersection Control Devices: Type, Location and Cycle Timing		55 MPH @ - MINIMUM 40 MPH											
Sight Distance: Minimum Passing PSD-		RURAL											
Minimum Stopping SSD-		ROLLING											
Pavement Striping: No Passing Zones		MOUNTAINOUS											
Capacity: Service Volume-E		45 MPH @											
Previous Projects: Project No., Date and Limits		55 MPH @ - MINIMUM 40 MPH											
Functional Classification		RURAL											
SCALE: (In Miles)		52.59	53	54	55	56	57	58	59	60	61	62	62.59

Date Released	Revised
M/D	10/81
J.R.	OCT 84
B.Y.	JULY 90
B.Y.	FEB. 92
JK	JUNE 93
PT	JULY 94
D.B.	AUG 97
D.B.	APRIL 99
JK	JAN 00

ROAD INVENTORY HAWAII RTE. 11 MAMALAHOA HWY.

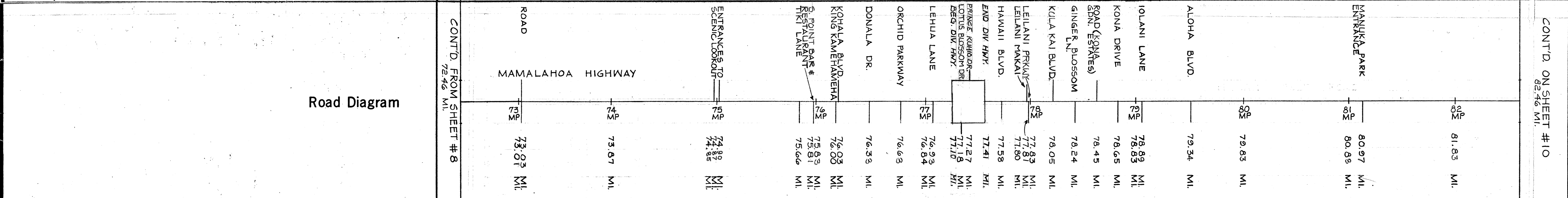
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Total Designated Route Length: 122.08 MILES (a+b)
a. Existing Length: 122.08 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 122.08 MILES (a+b, less c)
a. Existing Length: 122.08 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: NONE MILES(-)
NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles)		72.46	73	74	75	76	77	78	79	80	81	82	82.46
Maintenance Control Sections: Length and Description		11 E (5.31 MI.)											
ADT Sections; ADT; Traffic Count and Truck Weight Stations		11 I3 (35.21 MI.)											
Struct. Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed												
	Vertical Clearance												
Struct. Over Road	Horizontal Clearance												
	Vertical Clearance												
Right of Way Width (min. - max.) if varies		60'-110'											
Available Right of Way Width (Needs Study)		TREES & BRUSH 1000' CLEAR - LAVA ROCK 15' FROM E.P.											
Right of Way Fence: Type - Right and Left		ROCK WALL @											
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. and Type of Construction		COUNTY (P-1997) 1977 11 E-01-75 1976 11 E-01-73 M (R) 1996 11 D-01-79 M (Resurf) 1979											
Year Project Constructed													

Road Diagram



SCALE: (In Miles)		72.46	73	74	75	76	77	78	79	80	81	82	82.46
Divided Hwy.	Shoulder: Width and Type	8' GRAVEL											
	Pavement: Width and Type	24' AC											
	Shoulder: Width and Type	8' GRAVEL											
	Median: Width and Type	2' AC											
	Shoulder: Width and Type	12' A.C.											
	Pavement: Width and Type	12' A.C.											
Number of Traffic Lanes		2-12'											
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)													
(Right Side)		2-11'											
Frontage Road: No. of Lanes, and Width (Right and Left)													
Sidewalk: Width and Type (Right and Left)													
Curb and/or Gutter: Type (Right and Left)													
Protective Devices: Type, Location and Number		ALL GUARDRAILS METAL ON METAL											
Illumination: Type, Location and Number													
Curves: Degree of Curvature (Right or Left)													
Superelevation (Range)													
Grades: % Grade, Positive or Negative													
Vertical Curve: Crest or Sag, Curve Limits													
Area and Development:		RURAL											
Terrain: 1-Flat, 2-Rolling, 3-Mountainous		ROLLING											
Speed: 1-Design, 2-Posted		55 MPH @											
Intersection Control Devices: Type, Location and Cycle Timing													
Sight Distance: Minimum Passing PSD—													
Minimum Stopping SSD—													
Pavement Striping: No Passing Zones													
Capacity: Service Volume—E													
Previous Projects: Project No., Date and Limits		COUNTY (P-2129) 1977 11 D-01-79 M (RESURF) 1979 8 F-011-1 (S) 1999											
FUNCTIONAL CLASSIFICATION		COUNTY 57A 923+00 11 E-01-75 1976 57A 705+00 COUNTY 57A 923+00 MINOR ARTERIAL											
SCALE: (In Miles)		72.46	73	74	75	76	77	78	79	80	81	82	82.46

Date Released	
Revised	
RA	10/81
J.K.	NOV 85
B.Y.	JULY 90
PT	JULY 94
D.B.	AUG 97
D.B.	FEB 99
J.K.	JAN 00
D.B.	OCT 00

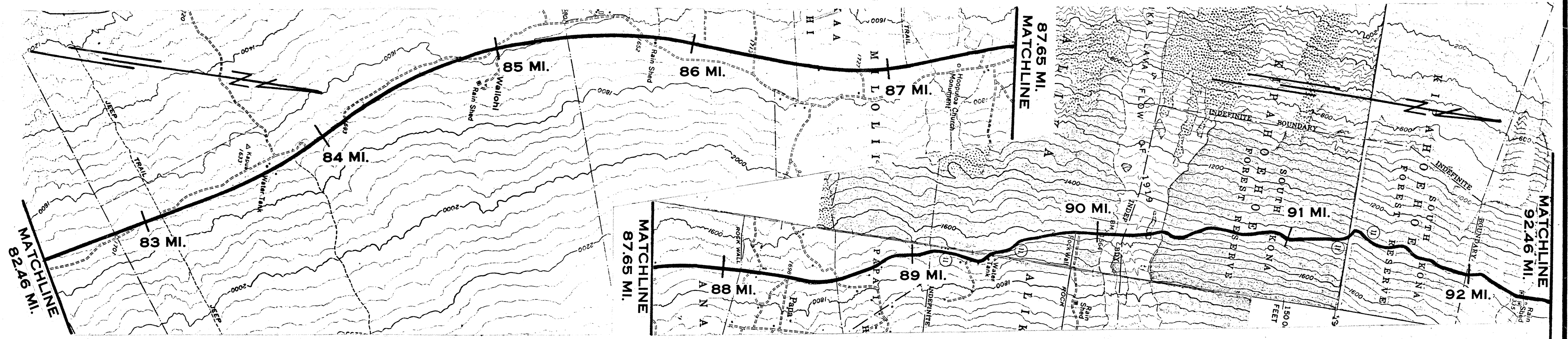
ROAD INVENTORY HAWAII RTE. 11 MAMALAHOA HWY.

STATE OF HAWAII
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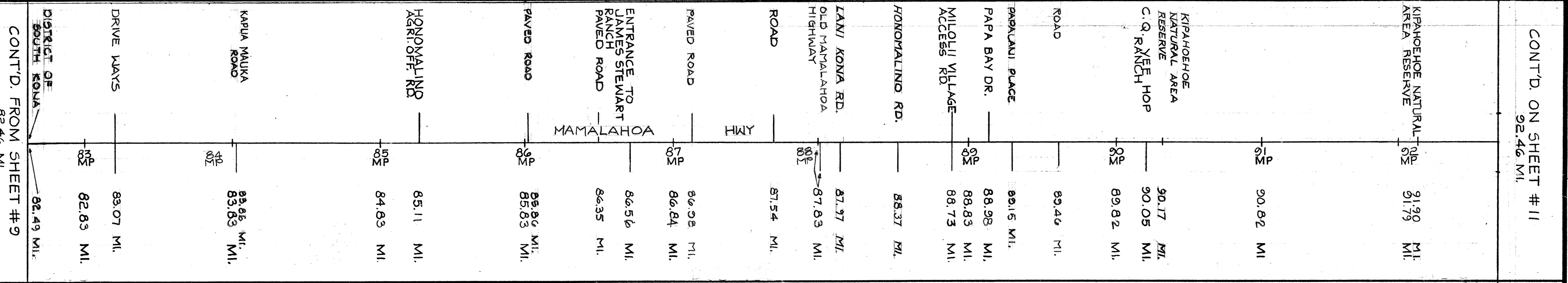
Total Designated Route Length: 122.08 MILES (a+b)
a. Existing Length: 122.08 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 122.08 MILES (a+b, less c)
a. Existing Length: 122.08 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: NONE MILES(-)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles)	82.46	83	84	85	86	87	88	89	90	91	92	92.46
Maintenance Control Sections: Length and Description	11 D (0.85 MI.)											
ADT Sections: ADT, Traffic Count and Truck Weight Stations	11 13 (35.21 MI.)											
Bridges (Over 20'): Length, Type, Capacity and Year Constructed												
Vertical Clearance												
Horizontal Clearance												
Right of Way Width (min. - max.) if varies	80' 80'-120' 80' 80'-105' 80' 80'-150' 80'-95' 80'-90' 90' 80'											
Available Right of Way Width (Needs Study)												
Right of Way Fence: Type - Right and Left	STONEWALL @ 20' from E.P.											
Control of Access: 1-None, 2-Partial, 3-Full	NONE											
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)	STATE											
Project No. and Type of Construction	11 D-01-79 (RESURF) 11 D-01-82 M (RESURF) 11 C-01-92 (R)											
Year Project Constructed	1979 1982 1994											

Road Diagram



SCALE: (In Miles)	82.46	83	84	85	86	87	88	89	90	91	92	92.46
Shoulder: Width and Type	6' 8"											
Pavement: Width and Type	22' AC											
Shoulder: Width and Type	6' 8"											
Median: Width and Type												
Shoulder: Width and Type												
Pavement: Width and Type												
Shoulder: Width and Type												
Number of Traffic Lanes	2-11'											
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)												
(Right Side)												
Frontage Road: No. of Lanes, and Width (Right and Left)												
Sidewalk: Width and Type (Right and Left)												
Curb and/or Gutter: Type (Right and Left)												
Protective Devices: Type, Location and Number												
Illumination: Type, Location and Number												
Curves: Degree of Curvature (Right or Left)												
Superelevation (Range)												
Grades: % Grade, Positive or Negative												
Vertical Curve: Crest or Sag, Curve Limits												
Area and Development:												
Terrain: 1-Flat, 2-Rolling, 3-Mountainous	ROLLING RURAL MOUNTAINOUS											
Speed: 1-Design, 2-Posted	55 MPH @ (Minimum 40 MPH) 35 MPH @											
Intersection Control Devices: Type, Location and Cycle Timing												
Sight Distance: Minimum Passing PSD—												
Minimum Stopping SSD—												
Pavement Striping: No Passing Zones												
Capacity: Service Volume—E												
Previous Projects: Project No., Date and Limits	BF-011-1(3) 1961 11C-01-76M (RESURF) 1976 11C-01-91M (RESURF) 1994											
FUNCTIONAL CLASSIFICATION	MINOR ARTERIAL											
SCALE: (In Miles)	82.46	83	84	85	86	87	88	89	90	91	92	92.46

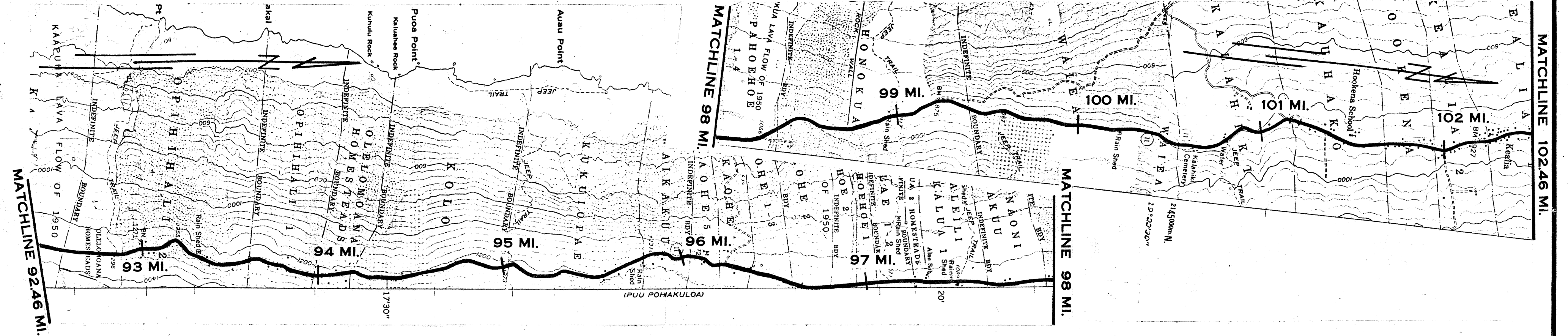
Date Released	Revised
RA	10/81
J.K.	Nov. 85
B.Y.	July 90
B.Y.	Feb. 92
J.K.	June 93
P.T.	JUNE 94
J.K.	July 95
D.B.	AUG 97
J.K.	FEB 99
J.K.	JAN 00

ROAD INVENTORY HAWAII RTE. 11 MAMALAHOA HWY.

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

Total Designated Route Length: 122.08 MILES (a+b)
a. Existing Length: 122.08 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 122.08 MILES (a+b, less c)
a. Existing Length: 122.08 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: NONE MILES(-)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles)		92.46	93	94	95	96	97	98	99	100	101	102	102.46
Maintenance Control Sections: Length and Description		11 C (12.43 mi.)											
ADT Sections; ADT; Traffic Count and Truck Weight Stations		11 13 (35.21 mi.)											
Struct. Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed												
	Vertical Clearance												
Struct. Over Road	Horizontal Clearance												
	Vertical Clearance												
Right of Way Width (min. - max.) if varies		80' 50' 80' 50' 80' 50'											
Available Right of Way Width (Needs Study)		LAVA ROCK AND TREES 50' BRUSH AND LARGE TREES 50' RESIDENTIAL AREA											
Right of Way Fence: Type - Right and Left		RUBBLE WALL @ 50' RUBBLE WALL @ 50' FENCE @ 50' STONEWALL @ 20' From E.P.											
Control of Access: 1-None, 2-Partial, 3-Full		NONE STATE											
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)		11C-01-92M 11C-01-91M(R) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976)											
Project No. and Type of Construction		11C-01-92M 11C-01-91M(R) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976)											
Year Project Constructed		1994(R) 1992 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976) 11C-01-75M(1976)											

Road Diagram

SCALE: (In Miles)		92.46	93	94	95	96	97	98	99	100	101	102	102.46
Divided Hwy.	Shoulder: Width and Type	4' GRAVEL 20' AC 3' AC 3'-6' GRASS 0'-6' GRASS 0'-4' GRASS 0'-4' GRASS 20' AC 16'-18' AC 4' AC 16'-18' AC 18' AC											
	Pavement: Width and Type	20' AC 3' AC 3'-6' GRASS 0'-6' GRASS 0'-4' GRASS 0'-4' GRASS 20' AC 16'-18' AC 4' AC 16'-18' AC 18' AC											
Divided Hwy.	Median: Width and Type												
	Shoulder: Width and Type												
Divided Hwy.	Pavement: Width and Type												
	Shoulder: Width and Type												
Number of Traffic Lanes		2-10' 2-8' 2-8' 2-8' 2-10' 2-8' 2-8' 2-10' 2-8' 2-8' 2-10' 2-8' 2-8'											
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)													
(Right Side)													
Frontage Road: No. of Lanes, and Width (Right and Left)													
Sidewalk: Width and Type (Right and Left)													
Curb and/or Gutter: Type (Right and Left)													
Protective Devices: Type, Location and Number		All Guardrails Metal on Metal											
Illumination: Type, Location and Number													
Curves: Degree of Curvature (Right or Left)													
Superelevation (Range)													
Grades: % Grade, Positive or Negative													
Vertical Curve: Crest or Sag, Curve Limits													
Area and Development:													
Terrain: 1-Flat, 2-Rolling, 3-Mountainous		RURAL MOUNTAINOUS ROLLING											
Speed: 1-Design, 2-Posted		35 MPH @											
Intersection Control Devices: Type, Location and Cycle Timing													
Sight Distance: Minimum Passing PSD-													
Minimum Stopping SSD-													
Pavement Stripping: No Passing Zones- Previous Projects:													
Capacity: Service Volume-E Previous Projects:													
Previous Projects: Project No., Date and Limits													
FUNCTIONAL CLASSIFICATION		MINOR ARTERIAL											

Date Released	
Revised	
FA	10/22
J.K.	NOV. 85
B.Y.	2/90
B.Y.	10/90
B.Y.	3/91
B.Y.	2/92
J.K.	4/93
DT	7-94
D.B.	2-99
UK	JAN 00

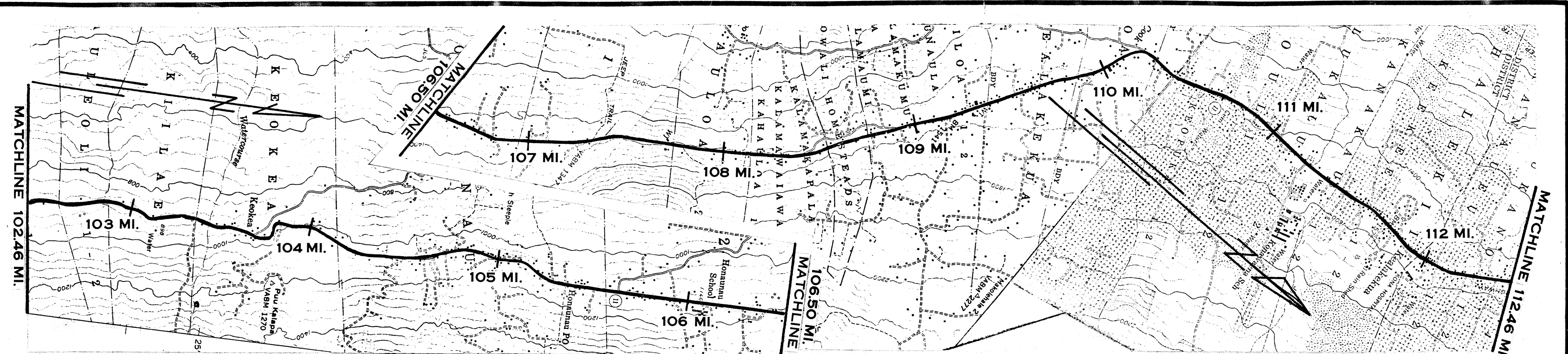
D.B. OCT. 00, FEB. 05

ROAD INVENTORY HAWAII RTE.11 MAMALAHOA HWY.

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

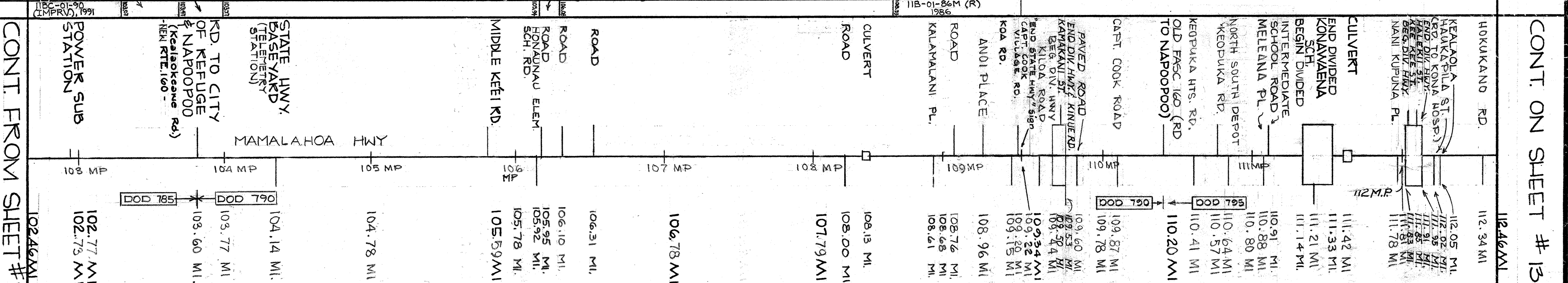
Total Designated Route Length: 122.08 MILES (a+b)
a. Existing Length: 122.08 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 122.08 MILES (a+b, less c)
a. Existing Length: 122.08 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: NONE MILES(-)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles)		102.46	103	104	105	106	107	108	109	110	111	112	112.46
Maintenance Control Sections: Length and Description													
ADT Sections; ADT; Traffic Count and Truck Weight Stations													
Struct. Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed												
	Vertical Clearance												
Struct. Over Road	Horizontal Clearance												
	Vertical Clearance												
Struct. Over Road	Horizontal Clearance												
	Right of Way Width (min. - max.) if varies												
Available Right of Way Width (Needs Study)													
Right of Way Fence: Type - Right and Left													
Control of Access: 1-None, 2-Partial, 3-Full													
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)													
Project No. and Type of Construction and Year													

Road Diagram



SCALE: (In Miles)		</											
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Date Released	
Revised	
M.P.	11/81
J.K.	Oct '89
M.P.	3-89
B.Y.	2-90
B.Y.	7/90
B.Y.	10/90
B.Y.	1/91
B.Y.	2/92
J.K.	9/93

PT. D.B. 6-24 AUG 97

D.B. FEB. 99 D.B. OCT. 90, FEB. 05
JK JAN 00

ROAD INVENTORY

HAWAII RTE. 11

MAMALAHOA HWY., KUAKINI HWY., QUEEN KAAHUMANU EXT.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Designated Route Length: 122.08 MILES (a+b)

a. Existing Length: 122.08 MILES

b. Proposed Length: 0.00 MILES

Total Travel Way Length: 122.08 MILES (a+b, less c)

a. Existing Length: 122.08 MILES

b. Temporary Length: 0.00 MILES

c. Length used as T.W. for another Route: NONE MILES(-)

NEEDS STUDY ROUTE NO. FUNCTIONAL CLASSIFICATION

SCALE: (In Miles)

Maintenance Control Sections: Length and Description

ADT Sections: ADT, Traffic Count and Truck Weight Stations

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

Vertical Clearance

Horizontal Clearance

Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study)

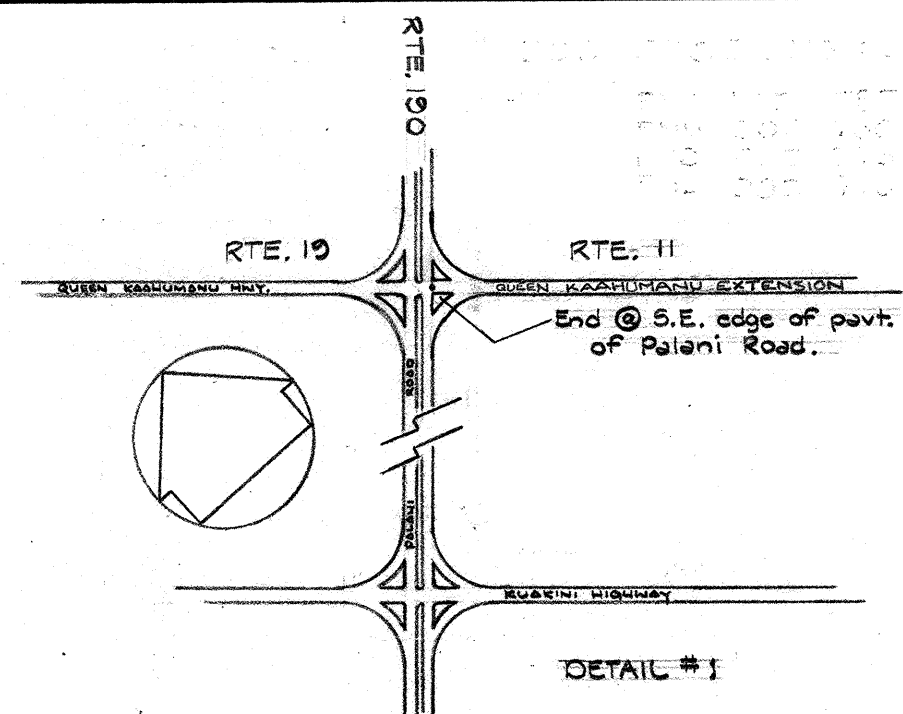
Right of Way Fence: Type - Right and Left

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

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

Project No. and Type of Construction

Year Project Constructed



Road Diagram

SCALE: (In Miles)

Divided Hwy.	Shoulder: Width and Type	ALL GRAVEL	VARIES 0'-6'		10'	6' AC	10'	8' AC		22'		11' AC	22'	12' AC	24' AC	12' AC	24' AC	12' AC	24' AC	36' AC
	Pavement: Width and Type		24' SP	44' AC	16' AC	24' AC	11' AC	24' AC	22' AC	34' AC	22' AC	11' AC	22' AC	12' AC	24' AC	12' AC	24' AC	12' AC	24' AC	36' AC
	Shoulder: Width and Type	ALL GRAVEL	VARIES 4'-6'		10'	10'	10'	6' AC	22'	11' AC	22'	11' AC	22'	12' AC	24' AC	12' AC	24' AC	12' AC	24' AC	36' AC
	Median: Width and Type		31' AC		11' PAINTED MEDIAN	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC
	Shoulder: Width and Type				11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC
	Pavement: Width and Type				11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC	11' AC
	Shoulder: Width and Type	ALL GRAVEL			6' AC	6' AC	6' AC	6' AC	6' AC	6' AC	6' AC	6' AC	6' AC	6' AC	6' AC	6' AC	6' AC	6' AC	6' AC	6' AC
Number of Traffic Lanes			2-12'	2-4'	2-5'	2-12'	2-11'	2-12'	2-11'	1-11' LANE; 1-12' TRUCK CLIMBING LANE	2-11'	2-11'	2-11'	2-11'	2-11'	2-11'	2-11'	2-11'	2-11'	2-11'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)																				
(Right Side)																				
Frontage Road: No. of Lanes, and Width (Right and Left)																				
Sidewalk: Width and Type (Right and Left)																				
Curb and/or Gutter: Type (Right and Left)																				
Protective Devices: Type, Location and Number																				
ALL WOOD RAILS ON CONCRETE POSTS																				
Illumination: Type, Location and Number																				
Curves: Degree of Curvature (Right or Left)																				
Superelevation (Range)																				
Grades: % Grade, Positive or Negative																				
Vertical Curve: Crest or Sag, Curve Limits																				
Area and Development:																				
Terrain: 1-Flat, 2-Rolling, 3-Mountainous																				
Speed: 1-Design, 2-Posted																				
Intersection Control Devices: Type, Location and Cycle Timing																				
Sight Distance: Minimum Passing PSD—																				
—Minimum Stopping SSD—																				
Pavement Striping: No Passing Zones																				
Capacity: Service Volume—E																				
Previous Projects: Project No., Date and Limits																				
FUNCTIONAL CLASSIFICATION																				
SCALE: (In Miles)																				
HPMS SECTIONS																				

ROAD INVENTORY

HAWAII RTE. 19 KUHIO ST, KALANIANA'OLE ST,
KAMEHAMEHA AVE., PAUHAHI ST, BAYFRONT HWY, AND
HAWAII BELT ROAD

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

Total Designated Route Length: 20.50 MILES (a+b)
a. Existing Length: 20.50 MILES
b. Proposed Length: 0 MILES
Total Travel Way Length: 20.50 MILES (a+b, less c)
a. Existing Length: 20.50 MILES
b. Temporary Length: 0 MILES
c. Length used as T.W. for another Route: None MILES(-)

NEEDS STUDY ROUTE NO. FUNCTIONAL CLASSIFICATION

SCALE: (In Miles) 4 in. = 1 mile

Maintenance Control Sections: Length and Description

ADT Sections: ADT, Traffic Count and Truck Weight Stations

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

Vertical Clearance

Horizontal Clearance

Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study)

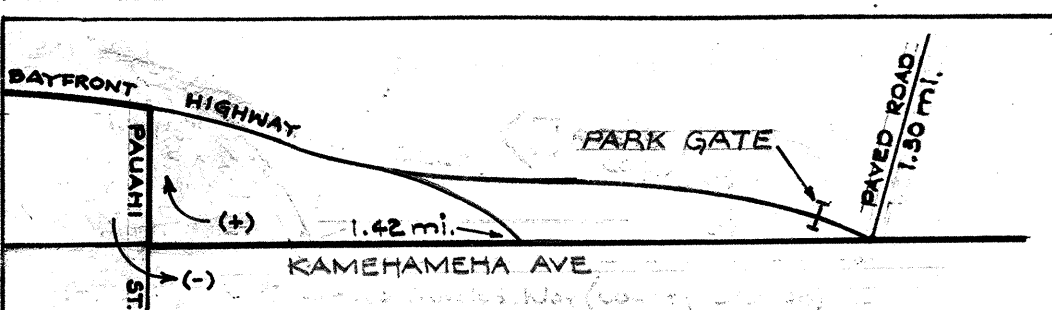
Right of Way Fence: Type - Right and Left

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

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

Project No. and Type of Construction

Year Project Constructed



DETAIL #1
NOT TO SCALE

Road Diagram

INDICATES GRASS
AND/OR PHYSICAL
BARRIERS.

SCALE: (In Miles)

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

Number of Traffic Lanes

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number ALL METAL ON METAL (UNLESS NOTED OTHERWISE)

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right or Left)

Superelevation (Range)- NATIONAL HIGHWAY SYSTEM (NHS)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Speed: 1-Design, 2-Posted

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD-

Minimum Stopping SSD-

Pavement Striping: No Passing Zones- Previous Projects:-

Capacity: Service Volume-E Previous Projects:-

Previous Projects: Project No., Date and Limits

FUNCTIONAL CLASSIFICATION

SCALE: (In Miles)

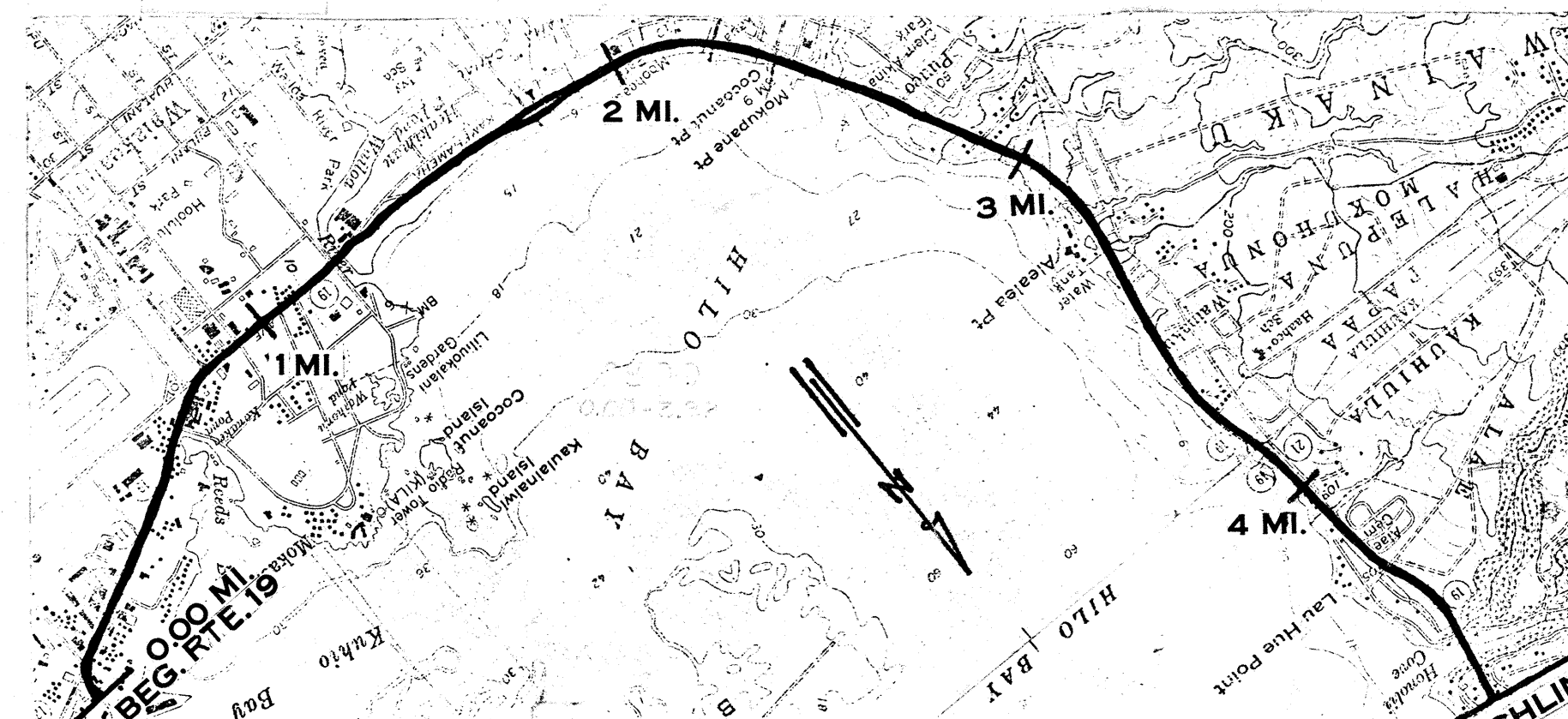
HPMS SECTIONS

Date Released

Revised

JK	3/81
RAA	4/83
RAA	11/83
JK	5/86
"	3/87
M.F.	3/89
B.Y.	7/90
B.Y.	12/90
B.Y.	5/91
JK	6/93
PT	6/94

JK 7/94 D.B. 3/97 D.B. 2/99 D.B. 10/00, 2/04, 9/04
JK 5/96 JK 1/98 JK 1/00



MATCHLINE 4.65 MI.

ROAD INVENTORY HAWAII RTE.19 HAWAII BELT ROAD

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

Total Designated Route Length: 99.59 MILES (a+b)
a. Existing Length: 99.59 MILES
b. Proposed Length: 0 MILES
Total Travel Way Length: 99.59 MILES (a+b, less c)
a. Existing Length: 99.59 MILES
b. Temporary Length: 0 MILES
c. Length used as T.W. for another Route: None MILES(-)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____

SCALE: (In Miles) 4 in. = 1 mile

Maintenance Control Sections: Length and Description

ADT Sections: ADT, Traffic Count and Truck Weight Stations

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

Vertical Clearance

Horizontal Clearance

Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study)

Right of Way Fence: Type - Right and Left

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

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

Project No. and Type of Construction

Year Project Constructed

Road Diagram

SCALE: (In Miles)

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Shoulder: Width and Type

Shoulder: Width and Type

Shoulder: Width and Type

Shoulder: Width and Type

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Shoulder: Width and Type

Shoulder: Width and Type

Shoulder: Width and Type

Shoulder: Width and Type

Shoulder: Width and Type

Date Released

Revised

JK	9/81
J.K.	Feb 85
"	May 86
M.F.	3-89
B.Y.	7/90
B.Y.	3/91
JK	6/92
PT	6/94
O.B.	8/97

JK 1/98

DB 4/99

JK 1/00

DB 10/00

ROAD INVENTORY HAWAII RTE. 19 HAWAII BELT ROAD

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

Total Designated Route Length: 20.59 MILES (a+b)
a. Existing Length: 20.59 MILES
b. Proposed Length: 0 MILES
Total Travel Way Length: 20.59 MILES (a+b, less c)
a. Existing Length: 20.59 MILES
b. Temporary Length: 0 MILES
c. Length used as T.W. for another Route: None MILES(-)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____

SCALE: (In Miles) 2 in. = 1 mile

Maintenance Control Sections: Length and Description

ADT Sections; ADT; Traffic Count and Truck Weight Stations

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

Vertical Clearance

Horizontal Clearance

Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study)

Right of Way Fence: Type - Right and Left

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

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

Project No. and Type of Construction

Year Project Constructed

Road Diagram

SCALE: (In Miles)

Divided Hwy.

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number All Metal on Metal; (H) Wood on Concrete

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right or Left)

Superelevation (Range) NATIONAL HIGHWAY SYSTEM (NHS)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Speed: 1-Design, 2-Posted

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD-

Minimum Stopping SSD-

Pavement Stripping: No Passing Zones PREVIOUS PROJECTS:

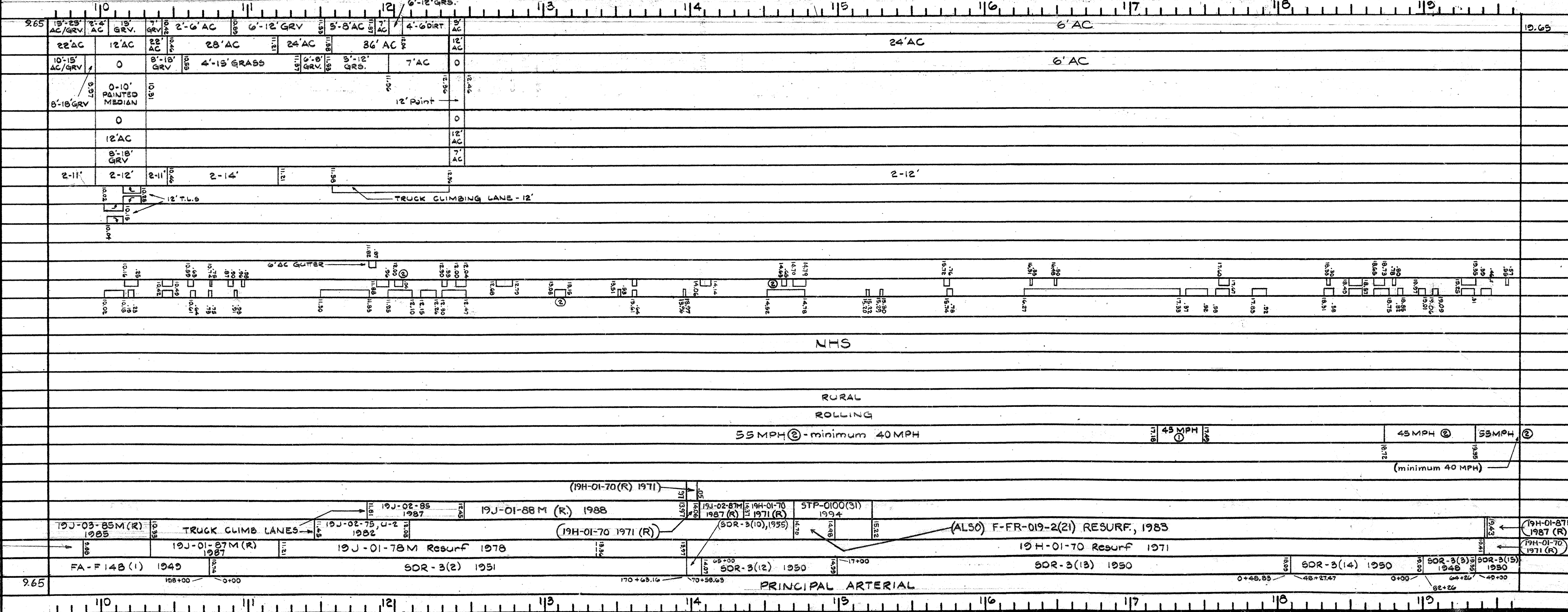
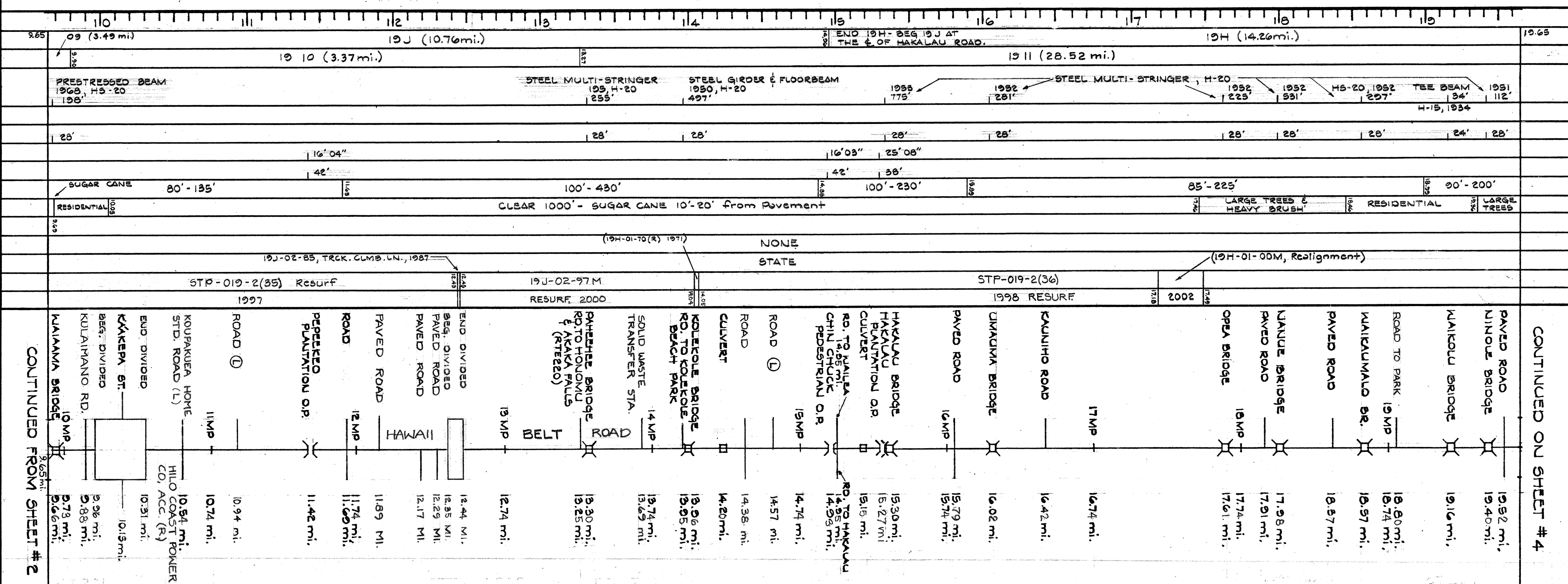
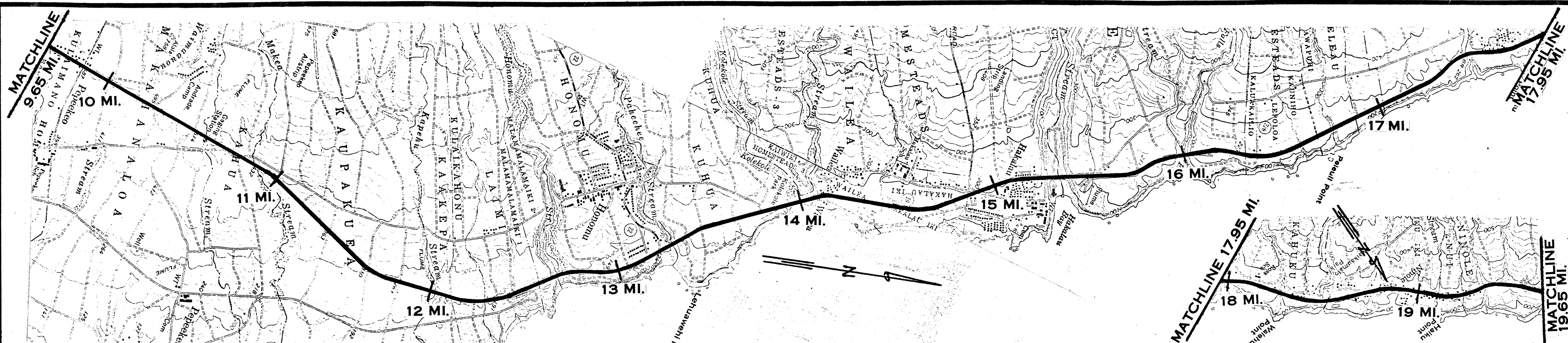
Capacity: Service Volume PREVIOUS PROJECTS:

Previous Projects: Project No., Date and Limits

Functional Classification

SCALE: (In Miles)

HPMS Sections



Date Released	Revised
J.K. 9/81	J.K. 9/81
J.K. Feb 85	J.K. Feb 85
" May 86	" May 86
" June 88	" June 88
M.P. 3-89	M.P. 3-89
B.Y. 7/90	B.Y. 7/90
B.Y. 12/90	B.Y. 12/90
B.Y. 2/92	B.Y. 2/92
P.T. 9/94	P.T. 9/94

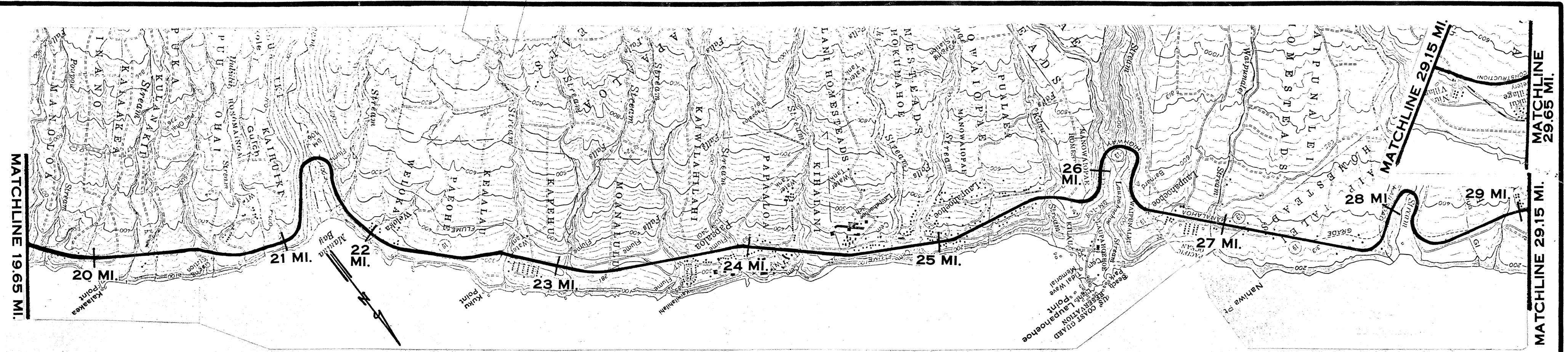
KT July 95 JK 1/98 JK 1/00 DB 10/00 JK 11/02 DB 1/99

ROAD INVENTORY HAWAII RTE. 19 HAWAII BELT ROAD

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

Total Designated Route Length: 20.59 MILES (a+b)
a. Existing Length: 20.59 MILES
b. Proposed Length: 0 MILES
Total Travel Way Length: 20.59 MILES (a+b, less c)
a. Existing Length: 20.59 MILES
b. Temporary Length: 0 MILES
c. Length used as T.W. for another Route: None MILES(-)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles)		19.65	20	21	22	23	24	25	26	27	28	29	29.65
Maintenance Control Sections: Length and Description		19 H (14.26 mi.)											
ADT Sections; ADT; Traffic Count and Truck Weight Stations		19 H (14.26 mi.)											
Struct. Over Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed	TEE BEAM 1951, H-20 1954, H-18 1957, 65' CONG. FRAME 1955, HS-20 65' STEEL MULTI STRINGER 1955, HS-20 250' TEE BEAM 1955, H-18 151' 1957, 246' TEE BEAM 1956, HS-20 219' 1959, 194' 1957, 254' CONG. BOX GIRDER, HS-20 1957, 254' TEE BEAM, HS-20, 1959 255' STEEL MULTI STRINGER, 1957, HS-20											
	Vertical Clearance	28'											
Struct. Under Road	Horizontal Clearance	28'											
	Vertical Clearance	16'-4"											
Struct. Under Road	Horizontal Clearance	100'-150'											
	Right of Way Width (min. - max.) if varies	20'-200' 10'-160' 100'-220' 50' 100'-215' 100' 100'-150' 59'-165'											
Available Right of Way Width (Needs Study)		BRUSH and LARGE TREES SUGAR CANE 20' from PAVEMENT RESIDENTIAL AREA LARGE TREES and CUT SLOPES; BRUSH 1000' CLEAR - SUGAR CANE 20' from 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. and Type of Construction		STP-019-2(36) 1998 RESURF STP-019-2(33) 1997 (R) STP-019-1(30) (RESURF) 1995 STP-019-2(33) 1997 (R) 19H-01-99M (R.) 2000 STP-019-2(37) Resurf 1997											
Year Project Constructed		1998 RESURF 1997 (R) 1995 1997 (R) 2000 1997											
Road Diagram		CONT'D. FROM SHEET #3 MANOLOA BR. 19.65 MI. ROAD 19.73 MI. AHOLE BR. 20.34 MI. ROAD 20.48 MI. ROAD 20.66 MI. PAVED RD. 20.84 MI. ROAD 21.01 MI. MAULLA BR. 21.51 MI. ROAD 21.74 MI. KALAU BR. 22.03 MI. PAVED RD. 22.28 MI. KAPRU BR. 22.75 MI. KALAU BR. 23.03 MI. MANALOAH HWY. 23.60 MI. KAIMILANI BR. 24.04 MI. KAIMILANI AVE. 24.54 MI. KAIMILANI BR. 24.75 MI. KAIMILANI BR. 24.99 MI. KAIMILANI BR. 25.31 MI. KAIMILANI BR. 25.51 MI. KAIMILANI BR. 25.74 MI. KAIMILANI BR. 26.03 MI. KAIMILANI BR. 26.28 MI. KAIMILANI BR. 26.74 MI. KAIMILANI BR. 27.21 MI. KAIMILANI BR. 27.55 MI. KAIMILANI BR. 27.74 MI. KAIMILANI BR. 28.06 MI. KAIMILANI BR. 28.41 MI. KAIMILANI BR. 28.86 MI. KAIMILANI BR. 29.14 MI. KAIMILANI BR. 29.38 MI. KAIMILANI BR. 29.65 MI.											

SCALE: (In Miles)		19.65	20	21	22	23	24	25	26	27	28	29	29.65
Divided Hwy.	Shoulder: Width and Type	6' AC											
	Pavement: Width and Type	6' AC											
	Shoulder: Width and Type	6' AC											
	Median: Width and Type	6' AC											
	Shoulder: Width and Type	6' AC											
Divided Hwy.	Pavement: Width and Type	6' AC											
	Shoulder: Width and Type	6' AC											
	Median: Width and Type	6' AC											
	Shoulder: Width and Type	6' AC											
	Pavement: Width and Type	6' AC											
Number of Traffic Lanes		2-12'											
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)		2-12'											
(Right Side)		2-12'											
Frontage Road: No. of Lanes, and Width (Right and Left)		2-12'											
Sidewalk: Width and Type (Right and Left)		2-12'											
Curb and/or Gutter: Type (Right and Left)		2-12'											
Protective Devices: Type, Location and Number ① METAL ON METAL ② WOOD ON CONC. ③ METAL ON CONC.		2-12'											
Illumination: Type, Location and Number		2-12'											
Curves: Degree of Curvature (Right or Left)		2-12'											
Superelevation (Range) NATIONAL HIGHWAY SYSTEM (NHS)		2-12'											
Grades: % Grade, Positive or Negative		2-12'											
Vertical Curve: Crest or Sag, Curve Limits		2-12'											
Area and Development:		2-12'											
Terrain: 1-Flat, 2-Rolling, 3-Mountainous		2-12'											
Speed: 1-Design, 2-Posted		2-12'											
Intersection Control Devices: Type, Location and Cycle Timing		2-12'											
Sight Distance: Minimum Passing PSD-		2-12'											
Minimum Stopping SSD-		2-12'											
Pavement Stripping: No Passing Zones Previous Projects:		2-12'											
Capacity: Service Volume-E Previous Projects:		2-12'											
Previous Projects: Project No., Date and Limits		2-12'											
Functional Classification		2-12'											

Date Released	
Revised	
RA	2-81
JK	Mar '83
JK	May '86
B.Y.	July '90
B.Y.	Oct. '90
B.Y.	Mar '91
B.Y.	Feb. '92
JK	June '93
PT.	June '94

20 12-95 D.B. 8/97 D.B. 2/99 D.B. 10/00 JK 2/98 JK 1/00

ROAD INVENTORY HAWAII RTE. 19 HAWAII BELT ROAD

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

Total Designated Route Length: 20.50 MILES (a+b)
a. Existing Length: 20.50 MILES
b. Proposed Length: 0 MILES
Total Travel Way Length: 20.50 MILES (a+b, less c)
a. Existing Length: 20.50 MILES
b. Temporary Length: 0 MILES
c. Length used as T.W. for another Route: NONE MILES(-)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____

SCALE: (In Miles)

Maintenance Control Sections: Length and Description

ADT Sections: ADT; Traffic Count and Truck Weight Stations

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

Vertical Clearance

Horizontal Clearance

Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study)

Right of Way Fence: Type - Right and Left

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

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

Project No. and Type of Construction

Year Project Constructed

Road Diagram

SCALE: (In Miles)

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right or Left)

Superelevation (Range) NATIONAL HIGHWAY SYSTEM (NHS)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Speed: 1-Design, 2-Posted

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD-

Minimum Stopping SSD-

Pavement Striping: No Passing Zones

Capacity: Service Volume-E Previous Projects:

Previous Projects: Project No., Date and Limits

Functional Classification

SCALE: (In Miles)

HPMS Sections

Date Released

Revised

RA	10/81
JK	Mar '85
"	May '86
"	" '87
MP	3-89
B.Y.	7/90
B.Y.	12/90
B.Y.	3/92
P.T.	6/94

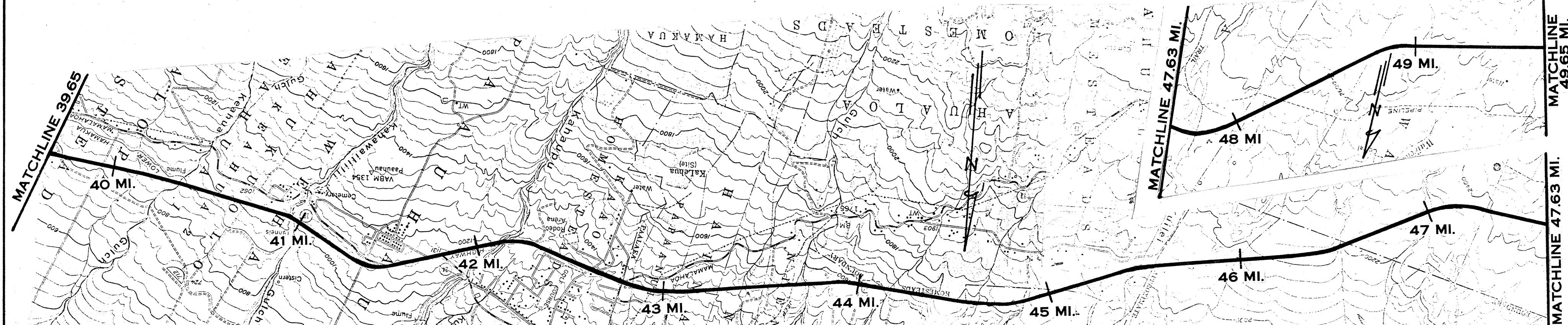
July 99, dec 99

JK 2/98 JK 1/00
D.B. 2/99 D.B. 10/00, 9/104

ROAD INVENTORY HAWAII RTE. 19 HAWAII BELT ROAD

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

Total Designated Route Length: 20.52 MILES (a+b)
a. Existing Length: 20.52 MILES
b. Proposed Length: 0 MILES
Total Travel Way Length: 20.52 MILES (a+b, less c)
a. Existing Length: 20.52 MILES
b. Temporary Length: 0 MILES
c. Length used as T.W. for another Route: NONE MILES(-)
NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles)		39.65	40	41	42	43	44	45	46	47	48	49	49.65
Maintenance Control Sections: Length and Description		19.6 (12.57 MI.)		END 19F & BEGIN 19G ON MAHALAHOA HWY. AT THE & INTERSECTION WITH MAHANE ST.				19 F (10.05 MI.)					
ADT Sections; ADT; Traffic Count and Truck Weight Stations		19 11 (28.92 MI.)				19 12 (1.53 MI.)				19 13 (8.52 MI.)			
Struct. Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed	CONC. BOX GIRDER 1953 HS-20 217'				TWIN BOX CULVERT 1953 HS-20 27'				CONC. BOX GIRDER 1963 HS-20 186'			
	Vertical Clearance												
	Horizontal Clearance												
Struct. Over Road	Vertical Clearance												
	Horizontal Clearance												
	Right of Way Width (min. - max.) if varies	VARIES 100'-270'				VARIES 100'-180'				VARIES 80'-185'			
Available Right of Way Width (Needs Study)		CLEAR 1000' PASTURE GRASSLAND WITH SMALL TREES 20' FROM EDGE OF PAVEMENT											
Right of Way Fence: Type - Right and Left		WIRE ON WOOD 20' FROM EDGE OF PAVEMENT ① & ②											
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. and Type of Construction and Year		19G-01-99M (RESURF) 2000		STP-019-1(17) (RESURF) 1996				19F-01-97M (R), 1999 STP-019-1(25) 1998 (SHLDR. IMPROV.)					
Road Diagram		CONT'D. FROM SHEET # 5 39.65 MI. 40 MI. 41 MI. 42 MI. 43 MI. 44 MI. 45 MI. 46 MI. 47 MI. 48 MI. 49 MI. 49.65 MI. CONT'D. ON SHEET # 7 ROAD DIAGRAM PAVED RD. CULVERT KAHAMA LILILI BR. KAHAMA LILILI											

SCALE: (In Miles)		39.65	40	41	42	43	44	45	46	47	48	49	49.65
Divided Hwy.	Shoulder: Width and Type	6'-8" AC	4' AC	8'-24" AC	6'-8" AC	4'-6" AC	4'-6" AC	12' AC	24' AC	6' AC			
	Pavement: Width and Type			24' AC	14' AC	24' AC							
	Shoulder: Width and Type	8'-14" AC	4' AC	10'-16" AC	6'-8" AC	4'-6" AC	6' AC	0	12' AC	6' AC			
	Median: Width and Type				0'-16" PAINTED AC	0'-16" PAINTED AC	12' AC	12' AC	12' AC	12' AC			
	Shoulder: Width and Type				14' AC	14' AC	12' AC	12' AC	12' AC	12' AC			
Number of Traffic Lanes				2-12'	2-14'			2-12'					
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)					1-13' ACELL	1-13' TL		1-12' TL					
(Right Side)								NONE					
Frontage Road: No. of Lanes, and Width (Right and Left)													
Sidewalk: Width and Type (Right and Left)													
Curb and/or Gutter: Type (Right and Left)													
Protective Devices: Type, Location and Number													
Illumination: Type, Location and Number													
Curves: Degree of Curvature (Right or Left)													
Superelevation (Range) NATIONAL HIGHWAY SYSTEM (NHS)													
Grades: % Grade, Positive or Negative													
Vertical Curve: Crest or Sag, Curve Limits													
Area and Development:													
Terrain: 1-Flat, 2-Rolling, 3-Mountainous													
Speed: 1-Design, 2-Posted													
Intersection Control Devices: Type, Location and Cycle Timing													
Sight Distance: Minimum Passing PSD													
Minimum Stopping SSD PREVIOUS PROJECTS													
Pavement Striping: No Passing Zones PREVIOUS PROJECTS													
Capacity: Service Volume-E PREVIOUS PROJECTS													
Previous Projects: Project No., Date and Limits													
Functional Classifications													
SCALE: (In Miles)		39.65	40	41	42	43	44	45	46	47	48	49	49.65

Date Released	
Revised	
RA	10/81
CC	JUNE '85
J.K.	MAY '86
"	" '87
M.P.	3-'89
B.Y.	7/90
B.Y.	3/92
P.T.	6/94
P.T.	7/95

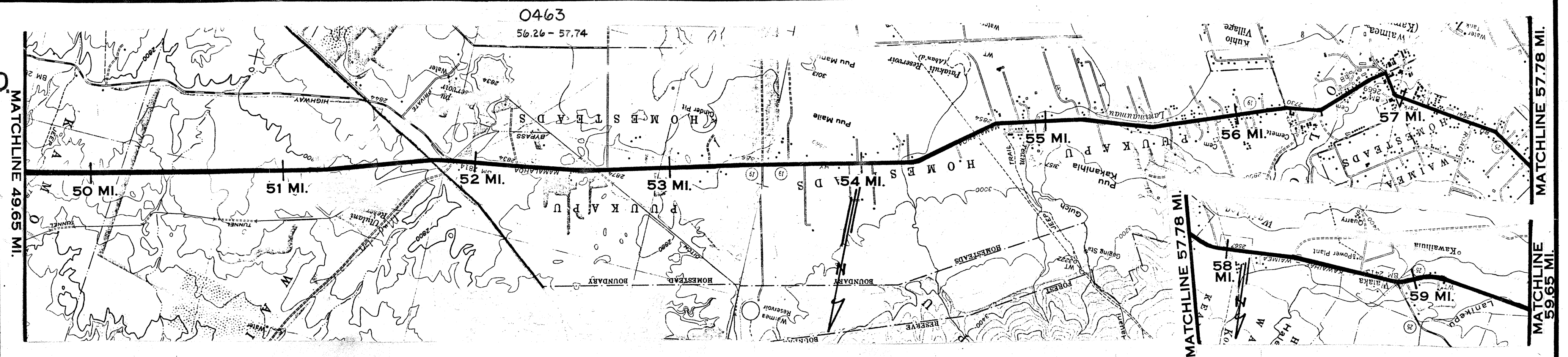
D.B. 8/97 D.B. 2/99 D.B. 10/00
JK 2/98 JK 1/00

ROAD INVENTORY
HAWAII RTE. 19
KAWAIHAE RD.-MAMALAHOA HWY.-HAWAII BELT RD
-LINDSAY RD.

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

Total Designated Route Length: 20.50 MILES (a+b)
a. Existing Length: 20.50 MILES
b. Proposed Length: 0 MILES
Total Travel Way Length: 20.50 MILES (a+b, less c)
a. Existing Length: 20.50 MILES
b. Temporary Length: 0 MILES
c. Length used as T.W. for another Route: NONE MILES(-)

NEEDS STUDY ROUTE NO. FUNCTIONAL CLASSIFICATION



SCALE: (In Miles)		49.65	50	51	52	53	54	55	56	57	58	59	59.65
Maintenance Control Sections: Length and Description		19 F (10.05 MI.)											
ADT Sections: ADT, Traffic Count and Truck Weight Stations		19 13 (8.52 MI.)											
Struct. Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed												
	Vertical Clearance												
Struct. Over Road	Horizontal Clearance												
	Vertical Clearance												
Struct. Over Road	Horizontal Clearance												
	Vertical Clearance												
Right of Way Width (min. - max.) if varies		80' VARIES TO 185'											
Available Right of Way Width (Needs Study)		CLEAR 1000' GRASS AND SMALL TREES											
Right of Way Fence: Type - Right and Left		WIRE ON WOOD 20' FROM EDGE OF PAVEMENT @ 1 & 2											
Control of Access: 1-None, 2-Partial, 3-Full		NONE											
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)		STATE COUNTY											
Project No. and Type of Construction and Year		19F-01-97M (R) 1990 WDR 2(1) 1947											
Road Diagram													

SCALE: (In Miles)		49.65	50	51	52	53	54	55	56	57	58	59	59.65
Shoulder: Width and Type	Shoulder: Width and Type	24' AC											
	Pavement: Width and Type	6' AC											
Shoulder: Width and Type	Shoulder: Width and Type	6' AC											
	Median: Width and Type	0-12' PAINTED AC											
Shoulder: Width and Type	Shoulder: Width and Type	12' AC											
	Pavement: Width and Type	6' AC											
Shoulder: Width and Type	Shoulder: Width and Type	2-12'											
	Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)	14' ACCEL. L. 14' T.L.											
Frontage Road: No. of Lanes, and Width (Right and Left)													
Sidewalk: Width and Type (Right and Left)													
Curb and/or Gutter: Type (Right and Left)													
Protective Devices: Type, Location and Number													
Illumination: Type, Location and Number													
Curves: Degree of Curvature (Right or Left)													
Superelevation (Range)- NATIONAL HIGHWAY SYSTEM (NHS)													
Grades: % Grade, Positive or Negative													
Vertical Curve: Crest or Sag, Curve Limits													
Area and Development:													
Terrain: 1-Flat, 2-Rolling, 3-Mountainous													
Speed: 1-Design, 2-Posted													
Intersection Control Devices: Type, Location and Cycle Timing													
Sight Distance: Minimum Passing PSD-													
Minimum Stopping SSD-													
Pavement Stripping- No Passing Zones													
Capacity- Service Volume- E													
Previous Projects: Project No., Date and Limits													
Functional Classification													

Date Released	
Revised	
RA	10/81
CC	June 85
J.K.	May 86
"	" 87
"	June 88
B.Y.	July 90
B.Y.	Oct. 90
B.Y.	Mar. 92
JK	June 93

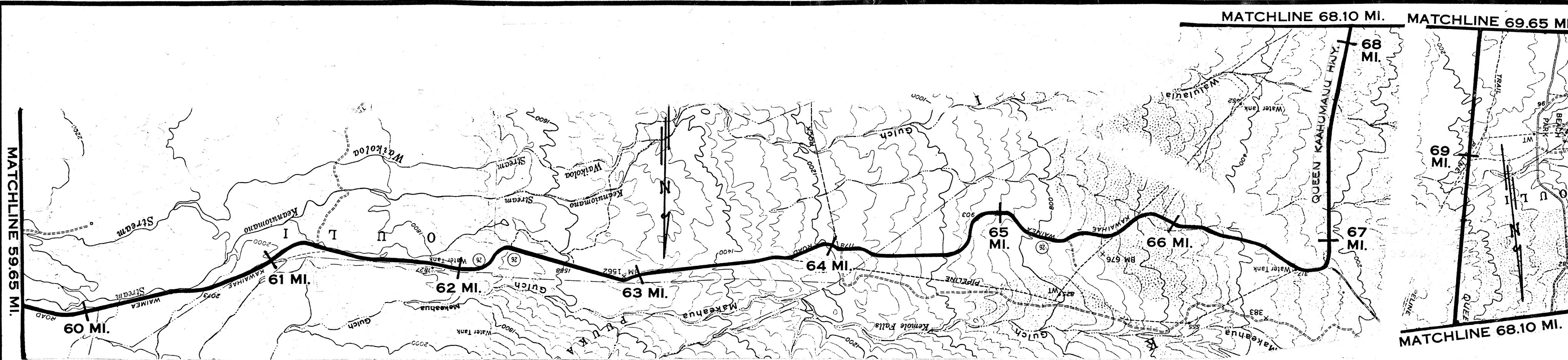
PT 6/24/12/05 JK 5/96 JK 1/00, 9/02 DB 3/99 D.B. 10/05

ROAD INVENTORY HAWAII RTE. 19 QUEEN KAAHUMANU HWY., KAWAIHAE RD.

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

Total Designated Route Length: 20.59 MILES (a+b)
a. Existing Length: 20.59 MILES
b. Proposed Length: 0 MILES
Total Travel Way Length: 20.59 MILES (a+b, less c)
a. Existing Length: 20.59 MILES
b. Temporary Length: 0 MILES
c. Length used as T.W. for another Route: NONE MILES(-)

NEEDS STUDY ROUTE NO. FUNCTIONAL CLASSIFICATION



SCALE: (In Miles)		59.65	60	61	62	63	64	65	66	67	68	69	69.65
Maintenance Control Sections: Length and Description													
ADT Sections: ADT, Traffic Count and Truck Weight Stations													
Struct. Over Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed												
	Vertical Clearance												
Struct. Over Road	Horizontal Clearance												
	Vertical Clearance												
Struct. Over Road	Horizontal Clearance												
	Right of Way Width (min. - max.) if varies												
Available Right of Way Width (Needs Study)													
Right of Way Fence: Type - Right and Left													
Control of Access: 1-None, 2-Partial, 3-Full													
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)													
Project No. and Type of Construction and Year													
Project No., Type of Construction and Year													
DETAIL													

SCALE: (In Miles)		59.65	60	61	62	63	64	65	66	67	68	69	69.65
Divided Hwy.	Shoulder: Width and Type												
	Pavement: Width and Type												
	Shoulder: Width and Type												
	Median: Width and Type												
	Shoulder: Width and Type												
Undivided	Pavement: Width and Type												
	Shoulder: Width and Type												
	Median: Width and Type												
	Shoulder: Width and Type												
	Pavement: Width and Type												
Number of Traffic Lanes													
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)													
(Right Side)													
Frontage Road: No. of Lanes, and Width (Right and Left)													
Sidewalk: Width and Type (Right and Left)													
Curb and/or Gutter: Type (Right and Left)													
Protective Devices: Type, Location and Number													
Illumination: Type, Location and Number													
Curves: Degree of Curvature (Right or Left)													
Superelevation (Range): NATIONAL HIGHWAY SYSTEM (NHS)													
Grades: % Grade, Positive or Negative													
Vertical Curve: Crest or Sag, Curve Limits													
Area and Development:													
Terrain: 1-Flat, 2-Rolling, 3-Mountainous													
Speed: 1-Design, 2-Posted													
Intersection Control Devices: Type, Location and Cycle Timing													
Sight Distance: Minimum Passing PSD—													
Minimum Stopping SSD—													
Pavement Stripping: No Passing Zones: PREVIOUS PROJECTS:													
Capacity: Service Volume—E PREVIOUS PROJECTS:													
Previous Projects: Project No., Date and Limits													
Functional Classification													

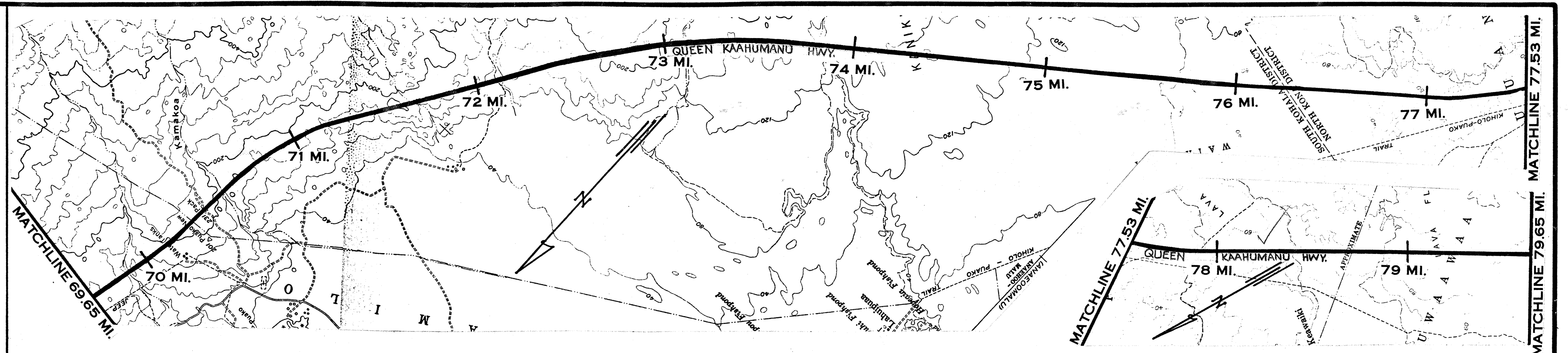
Date Released	
Revised	
KA	10/81
JK	June 89
"	May 86
"	" 87
"	June 89
BY	July 90
BY	Feb 92
JK	June 93
RT	June 94
RT	July 95

JK 2/98 D.B. 3/99 JK 1/00 DB 10/00

ROAD INVENTORY HAWAII RTE. 19 QUEEN KAAHUMANU HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DESIGNED BY THE
HIGHWAY PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Designated Route Length: 99.59 MILES (a+b)
a. Existing Length: 99.59 MILES
b. Proposed Length: 0 MILES
Total Travel Way Length: 99.59 MILES (a+b, less c)
a. Existing Length: 99.59 MILES
b. Temporary Length: 0 MILES
c. Length used as T.W. for another Route: None MILES(-)
NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles)		69.65	70	71	72	73	74	75	76	77	78	79	79.65
Maintenance Control Sections: Length and Description		19 C (13.04 MI.)											
ADT Sections: ADT, Traffic Count and Truck Weight Stations		19 20 (7.47 MI.)											
Struct. Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed												
	Vertical Clearance												
Struct. Over Road	Horizontal Clearance												
	Vertical Clearance												
Right of Way Width (min. - max.) if varies		340' - 420'											
Available Right of Way Width (Needs Study)		CLEAR 1000' - GRASS, BUSHES AND LAVA ROCK 8'-10' 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. and Type of Construction and Year		19C-01-71 (Phase 3B) Grading & Paving, 1975											
		19C-01-71M (Shoulder Impr.), 1992											
		STP-019-1(23), 1997 (Shoulder Impr.)											
Road Diagram													
SCALE: (In Miles)		69.65	70	71	72	73	74	75	76	77	78	79	79.65

Divided Hwy.	Shoulder: Width and Type	6' AC											
	Pavement: Width and Type	24' AC											
	Shoulder: Width and Type	6' AC											
	Median: Width and Type	PAINTED MEDIAN 0'-12'											
	Shoulder: Width and Type	6' AC											
	Pavement: Width and Type	24' AC											
Number of Traffic Lanes		2 - 12'											
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)													
(Right Side)													
Frontage Road: No. of Lanes, and Width (Right and Left)													
Sidewalk: Width and Type (Right and Left)													
Curb and/or Gutter: Type (Right and Left)													
Protective Devices: Type, Location and Number (ALL METAL ON CONC. POSTS) (UNLESS NOTED OTHERWISE)													
Illumination: Type, Location and Number													
Curves: Degree of Curvature (Right or Left)													
Superelevation (Range) NATIONAL HIGHWAY SYSTEM (NHS)		NHS											
Grades: % Grade, Positive or Negative													
Vertical Curve: Crest or Sag, Curve Limits													
Area and Development:		RURAL											
Terrain: 1-Flat, 2-Rolling, 3-Mountainous		ROLLING ②											
Speed: 1-Design, 2-Posted		55 MPH ②											
Intersection Control Devices: Type, Location and Cycle Timing		3 PHASE											
Sight Distance: Minimum Passing PSD -													
Minimum Stopping SSD -													
Pavement Striping: No Passing Zones													
Capacity: Service Volume - E Previous Projects:		19 BC-01-71 (Phase 3A), 1975 (Paving)											
Previous Projects: Project No., Date and Limits		G-3257-01-60 1962 19 BC-01-71 (PHASE III A) (GRADING) - 1974 STA. 1215+72.02 - STA. 1198+50											
Functional Classifications		PRINCIPAL ARTERIAL											
SCALE: (In Miles)		69.65	70	71	72	73	74	75	76	77	78	79	79.65

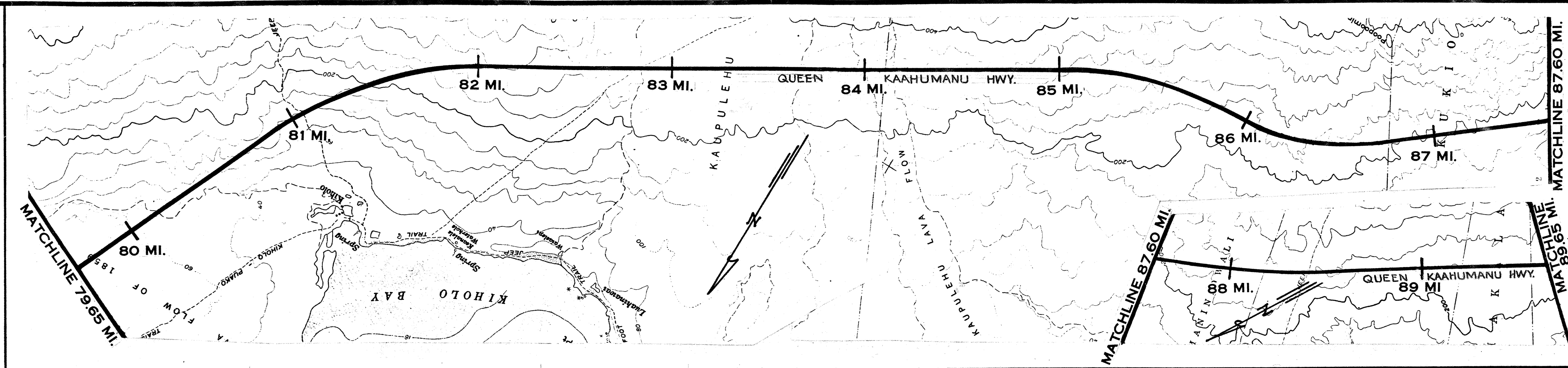
Date Released		
Revised		
RA	10/81	
CC	6/85	
J.K.	5/86	
"	6/86	
M.P.	3-89	
J.K.	4/93	
P.T.	6/94	
R.T.	7-95	
J.K.	8/98	

ROAD INVENTORY HAWAII RTE. 19 QUEEN KAAHUMANU HWY.

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

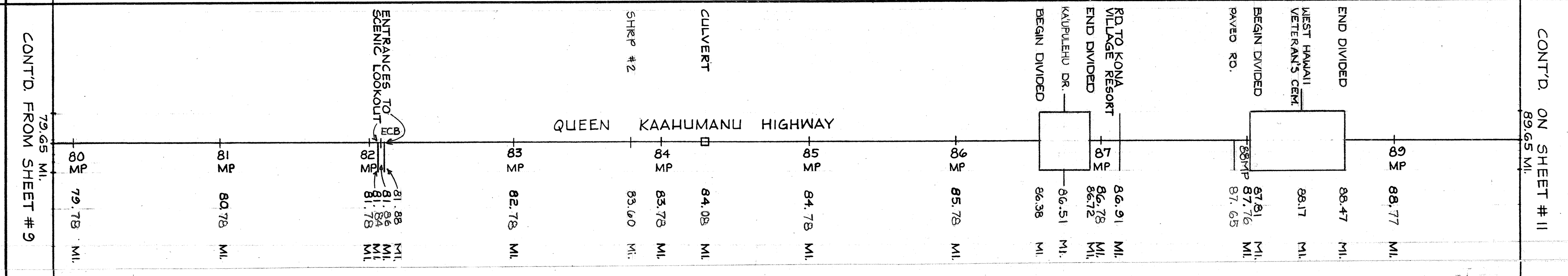
Total Designated Route Length: 00.59 MILES (a+b)
a. Existing Length: 00.59 MILES
b. Proposed Length: 0 MILES
Total Travel Way Length: 00.59 MILES (a+b, less c)
a. Existing Length: 00.59 MILES
b. Temporary Length: 0 MILES
c. Length used as T.W. for another Route: NONE MILES(-)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles)		79.65	810	811	812	813	814	815	816	817	818	819	89.65
Maintenance Control Sections: Length and Description		19 C (19.04 mi.)											
ADT Sections: ADT, Traffic Count and Truck Weight Stations		11 21 (18.03 MI.)											
Struct. Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed												
	Vertical Clearance												
Struct. Over Road	Horizontal Clearance												
	Vertical Clearance												
Horizontal Clearance													
Right of Way Width (min. - max.) if varies		310' - 390'											
Available Right of Way Width (Needs Study)		CLEAR 1000' - LAVA ROCK 8'-10' 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. and Type of Construction and Year Project Constructed		NH-019-1(3), GUARDRAIL & SHOULDER IMPRV., 2004											
Project No. and Type of Construction and Year Project Constructed		STP-019-1(23), SHLDR. IMPRV., 1997											

Road Diagram



SCALE: (In Miles)		79.65	810	811	812	813	814	815	816	817	818	819	89.65
Divided Hwy.	Shoulder: Width and Type												
	Pavement: Width and Type												
	Shoulder: Width and Type												
	Median: Width and Type												
	Shoulder: Width and Type												
Divided Hwy.	Pavement: Width and Type												
	Shoulder: Width and Type												
	Median: Width and Type												
	Shoulder: Width and Type												
	Pavement: Width and Type												
Number of Traffic Lanes		2 - 12'											
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)													
(Right Side)													
Frontage Road: No. of Lanes, and Width (Right and Left)													
Sidewalk: Width and Type (Right and Left)													
Curb and/or Gutter: Type (Right and Left)													
Protective Devices: Type, Location and Number		M/M GUARDRAIL											
Illumination: Type, Location and Number													
Curves: Degree of Curvature (Right or Left)													
Superelevation (Range) NATIONAL HIGHWAY SYSTEM (NHS)		NHS											
Grades: % Grade, Positive or Negative													
Vertical Curve: Crest or Sag, Curve Limits													
Area and Development:													
Terrain: 1-Flat, 2-Rolling, 3-Mountainous		RURAL											
Speed: 1-Design, 2-Posted		ROLLING @											
Intersection Control Devices: Type, Location and Cycle Timing		55 MPH @											
Sight Distance: Minimum Passing PSD—													
Minimum Stopping SSD—													
Pavement Striping: No Passing Zones													
Capacity: Service Volume—E													
Previous Projects: Project No., Date and Limits													
Functional Classifications		19 BC-01-71 (PHASE III B) (Grading)											
		1974											
		PRINCIPAL ARTERIAL											

Date Released

Revised	
KA	10/81
CC	JUNE '85
PT	JULY '84
JK	2/98
D.B.	3/99
JK	1/00
D.B.	10/00
D.B.	2/05

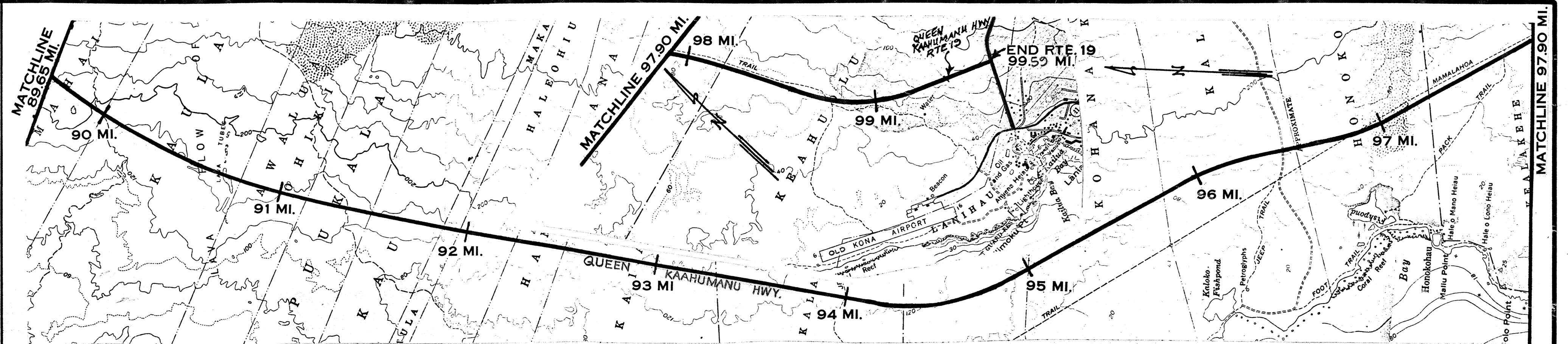
ROAD INVENTORY HAWAII RTE 19 QUEEN KAAHUMANU HWY.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

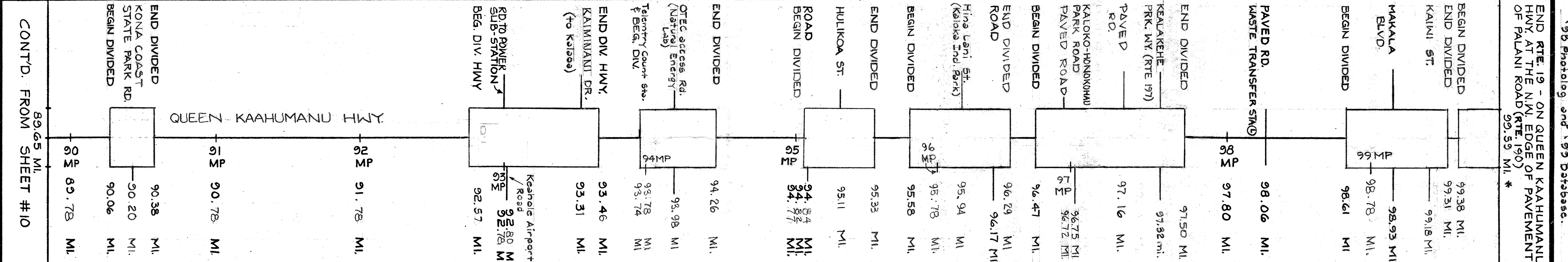
Total Designated Route Length: 22.52 MILES (a+b)
a. Existing Length: 22.52 MILES
b. Proposed Length: 0 MILES
Total Travel Way Length: 22.52 MILES (a+b, less c)
a. Existing Length: 22.52 MILES
b. Temporary Length: 0 MILES
c. Length used as T.W. for another Route: NONE MILES(-)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (In Miles)		89.65	90	91	92	93	94	95	96	97	98	99	99.65
Maintenance Control Sections: Length and Description													
ADT Sections; ADT; Traffic Count and Truck Weight Stations													
Struct. Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed												
	Vertical Clearance												
Struct. Over Road	Horizontal Clearance												
	Vertical Clearance												
Right of Way Width (min. - max.) if varies													
Available Right of Way Width (Needs Study)													
Right of Way Fence: Type - Right and Left													
Control of Access: 1-None, 2-Partial, 3-Full													
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)													
Project No. and Type of Construction and Year													
Project No., Type and Year Constructed													

Road Diagram



SCALE: (In Miles)		89.65	90	91	92	93	94	95	96	97	98	99	99.65
Divided Hwy.	Shoulder: Width and Type												
	Pavement: Width and Type												
	Shoulder: Width and Type												
	Median: Width and Type												
	Shoulder: Width and Type												
Undivided Hwy.	Pavement: Width and Type												
	Shoulder: Width and Type												
	Median: Width and Type												
	Shoulder: Width and Type												
	Pavement: Width and Type												
Number of Traffic Lanes													
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)													
Frontage Road: No. of Lanes, and Width (Right and Left)													
Sidewalk: Width and Type (Right and Left)													
Curb and/or Gutter: Type (Right and Left)													
Protective Devices: Type, Location and Number													
Illumination: Type, Location and Number													
Curves: Degree of Curvature (Right or Left)													
Superelevation (Range)- NATIONAL HIGHWAY SYSTEM (NHS)													
Grades: % Grade, Positive or Negative													
Vertical Curve: Crest or Sag, Curve Limits													
Area and Development:													
Terrain: 1-Flat, 2-Rolling, 3-Mountainous													
Speed: 1-Design, 2-Posted													
Intersection Control Devices: Type, Location and Cycle Timing													
Sight Distance: Minimum Passing PSD-													
Minimum Stopping SSD-													
Pavement Striping: No Passing Zones													
Capacity: Service Volume-E													
Previous Projects: Project No., Date and Limits													
Functional Classifications													

Date Released

Revised	
PA	10/81
CE	JUNE 85
JK	MAY 86
MP	MARCH 89
BY	JULY 90
PT	DEC 90
JK	JUNE 93
PT	JUNE 94
JK	FEB 96

DB 3/97

JK 1/00 DB 10/00 JK 9/02 DB 2/05

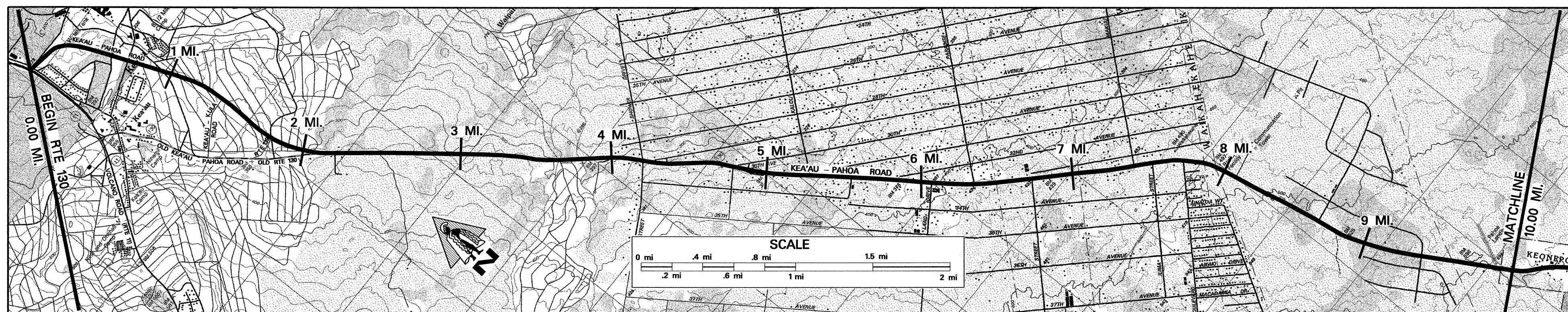
ROAD INVENTORY
HAWAII RTE. 130
KEA'AU-PAHOA RD.

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

Total Designated Route Length: 25.32 MILES (a+b)
a. Existing Length: 25.32 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 21.83 MILES (a+b, less c)
a. Existing Length: 21.83 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		130 01 (1.79 mi.)		130 B (12.12 mi.)		130 02 (5.95 mi)		130 03 (3.77 mi.)	
ADT Sections; ADT; Traffic Count and Truck Weight Stations									
Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed	3 - 72" Pipe Culvert 27'		4 - 70" Pipe Culvert 26'		4 - 44" Arch Culvert 30'		Triple Box Culvert 38'	
	Vertical Clearance	0.35		0.88		1.09		1.88	
	Horizontal Clearance							40'	
	Vertical Clearance								
Structure Over Road	Horizontal Clearance								
	Right of Way Width (min.-max.) if varies	150' - 220'		235'		80' - 130'		50'	
	Available Right of Way Width (Needs Study)			Clear 1000' - Small Trees & Bushes - 8' From Pavement.					
	Right of Way Fence: Type - Right and Left							Residential Area	
Control of Access: 1-None, 2-Partial, 3-Full				None					
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)				State					
Project No., Type of Construction, and Year Constructed									
Project No., Type of Construction, and Year Constructed		130B - 01 - 98, New Constr., 1999		130B - 01 - 92, New Constr., 1999		STP-0130(25), Resurf, 1996		RS-0130(16), Widened & Resurf., 1990	
								RS-0130(24), Widen & Resurf., 2003	
								130B-01-72, Resurf., 1972	
								(STP-0130 (25), Resurf, 1996)	

Date Released	Nov 2000
Revised	
Oct 01	J.K.
Feb 04	D.B.
May 04	D.B.
Sept 04	D.B.

ROAD INVENTORY
HAWAII RTE 130
KEA'AU-PAHOA RD.
PAHOA-KALAPANA RD.

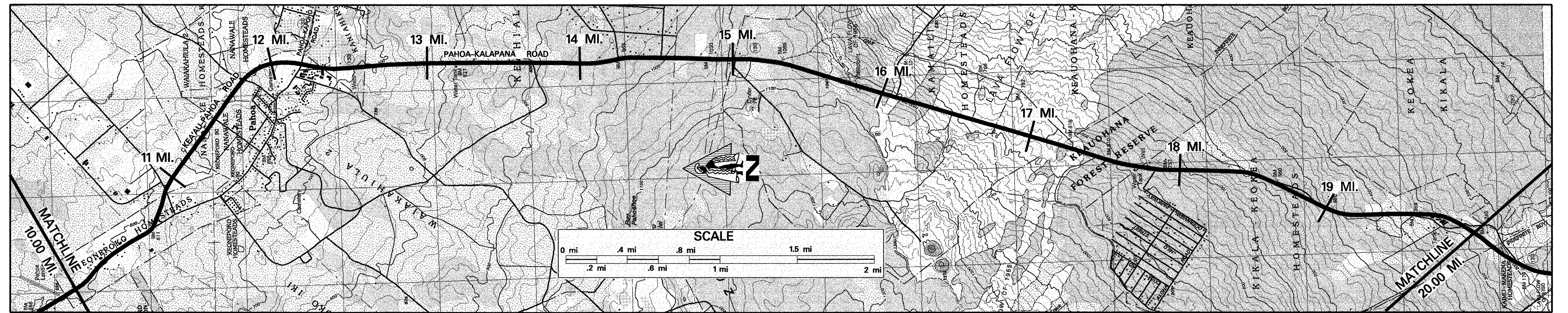
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PREPARED BY THE
HIGHWAY PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Designated Route Length: 25.32 MILES (a+b)
a. Existing Length: 25.32 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 21.83 MILES (a+b, less c)
a. Existing Length: 21.83 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: NONE MILES (-)

NEEDS STUDY ROUTE NO. FUNCTIONAL CLASSIFICATION

SCALE: (In Miles) 2" = 1 mile

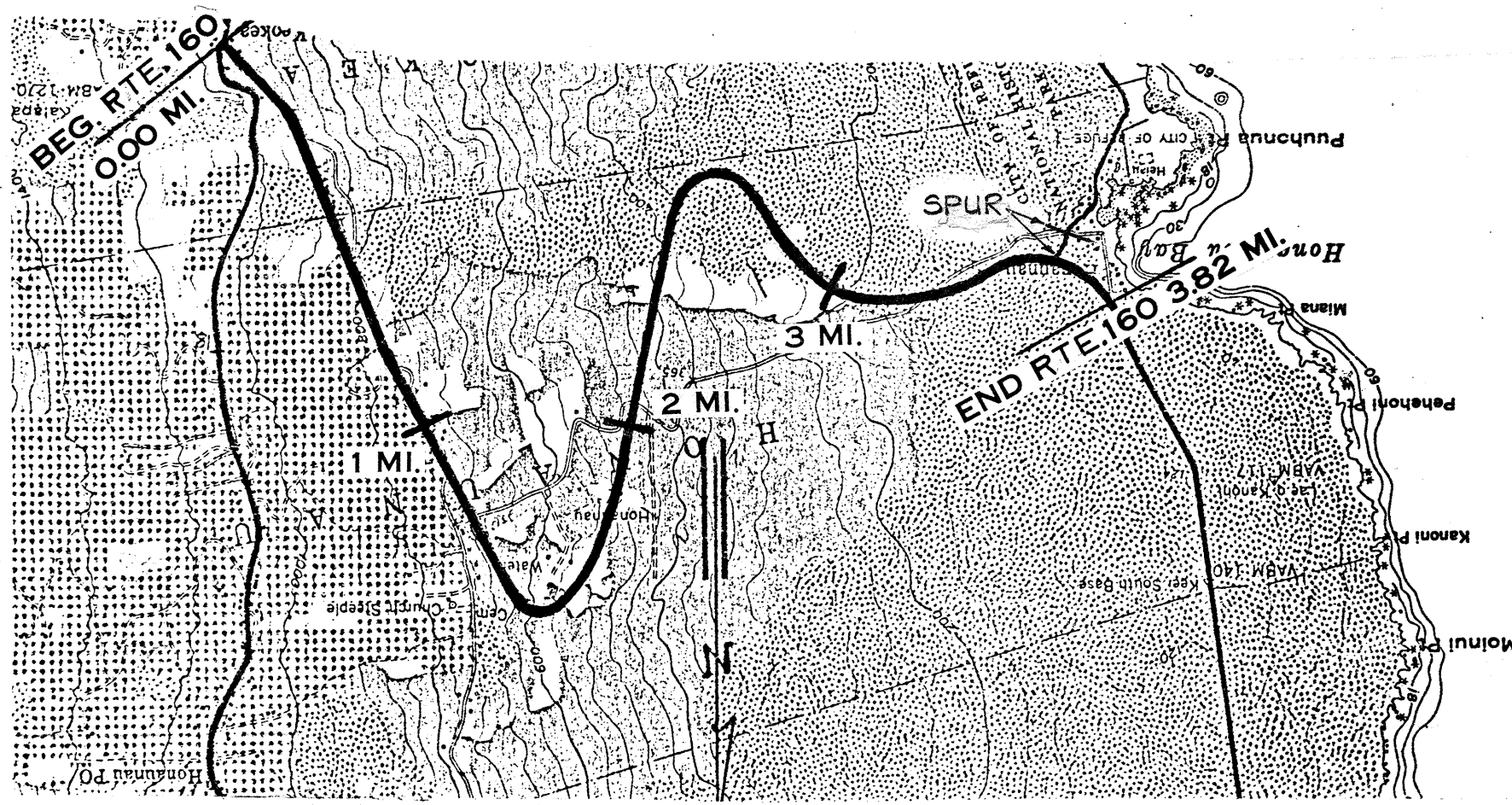
Maintenance Control Sections : Length and Description		130 B (12.12 Mi.)	End 130-A, Reg. 130-B on Kaeau-Pahoehoe Rd. @ the North E.P. of Pahoehoe Rd.	130 A (13.19 Mi.)	
ADT Sections; ADT; Traffic Count and Truck Weight Stations		130 03 (3.77Mi.)	130 04 (0.81Mi.)	130 05 (2.06 Mi.)	130 06 (6.80 Mi.)
Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed				
	Vertical Clearance				
	Horizontal Clearance				
	Vertical Clearance				
Structure Over Road	Horizontal Clearance				
	Right of Way Width (min.-max.) if varies				
	Available Right of Way Width (Needs Study)				
	Right of Way Fence: Type - Right and Left	SW - Stone Wall			
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		130A-01-97M Resurfacing 1998			
Project No., Type of Construction, and Year Constructed		S-0130(12) 1971			
Road Diagram * MP = Milepost Signage		ROUTE CONTINUED FROM SHEET #1			
		PAHOA-KALAPANA ROAD			
SCALE: (In Miles) 2" = 1 mile		10	11	12	13
Divided Highway	Shoulder: Width and Type	8' Gravel	8' AC	8' AC	3' Gravel
	Pavement: Width and Type	24' AC	12' AC	12' AC	20' AC
	Shoulder: Width and Type	8' Gravel	8' AC	0	4' Grs.
	Median: Width and Type	0	0	0	0
Divided Highway	Shoulder: Width and Type	0	0	0	0
	Pavement: Width and Type	12' AC	12' AC	12' AC	12' AC
	Shoulder: Width and Type	8' AC	8' AC	8' AC	8' AC
	Number of Traffic Lanes	2 - 12'	2 - 12'	2 - 10'	2 - 11'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)					
(Right Side)					
Frontage Road: No. of Lanes, and Width (Right and Left)					
Sidewalk: Width and Type (Right and Left)					
Curb and/or Gutter: Type (Right and Left)					
Protective Devices: Type, Location and Number					
Illumination: Type, Location and Number					
Curves: Degree of Curvature (Right and Left)					
Superelevation (Range)					
Grades: % Grade, Positive or Negative					
Vertical Curve: Crest or Sag, Curve Limits					
Area and Development:					
Terrain: 1-Flat, 2-Rolling, 3-Mountainous					
Speed: 1-Design, 2-Posted					
Intersection Control Devices: Type, Location and Cycle Timing					
Sight Distance: Minimum Passing PSD-					
Minimum Stopping SSD-					
Pavement Striping: No Passing Zones					
Capacity: Service Volume-E					
DOD Sections					
Census Tracts					
Functional Classification					
National Highway System (NHS)					
Previous Projects: Project No., Date and Limits					
HPMS					
SCALE: (In Miles) 2" = 1 mile		14	15	16	17



Date Released	November 2000
Revised	
Sept 02	J.K.
Feb. 04	D.B.
May 04	D.B.
Sept 04	D.B.

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

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



ROUTE LENGTH	= 3.82 MI.
CITY OF REFUGE SPUR	= 0.13 MI.
* TOTAL	= 3.95 MI.

[illegible]

Date Released	

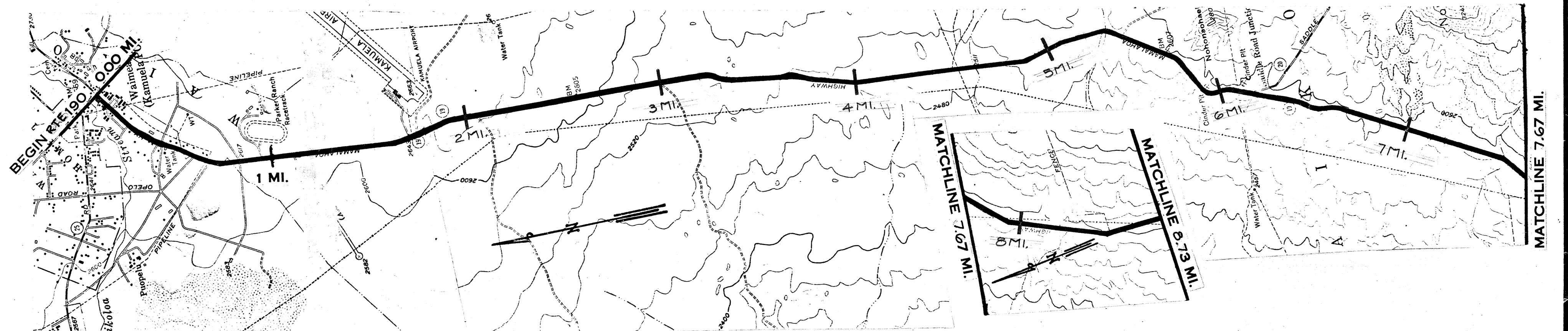
Revised	
H.F.	10/81
R.O.	10/83
R.A.A.	12/83
PT	7/94
D.B.	4/99
D.B.	10/00

ROAD INVENTORY HAWAII RTE. 190 MAMALAHOA HWY.

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

Total Designated Route Length: 38.99 MILES (a+b)
a. Existing Length: 38.99 MILES
b. Proposed Length: NONE MILES
Total Travel Way Length: 38.99 MILES (a+b, less c)
a. Existing Length: 38.99 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)		0	1	2	3	4	5	6	7	8	9	10
Maintenance Control Sections: Length and Description												
ADT Sections: ADT, Traffic Count and Truck Weight Stations												
Struct. Over Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed											
	Vertical Clearance											
	Horizontal Clearance											
Struct. Over Road	Vertical Clearance											
	Horizontal Clearance											
Right of Way Width (min. - max.) if varies												
Available Right of Way Width (Needs Study)												
Right of Way Fence: Type - Right and Left												
Control of Access: 1-None, 2-Partial, 3-Full												
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)												
Project No. and Type of Construction												
Year Project Constructed												

Road Diagram

SCALE: (In Miles)		0	1	2	3	4	5	6	7	8	9	10
Divided Hwy.	Shoulder: Width and Type											
	Pavement: Width and Type											
	Shoulder: Width and Type											
Divided Hwy.	Median: Width and Type											
	Shoulder: Width and Type											
	Pavement: Width and Type											
Number of Traffic Lanes												
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)												
(Right Side)												
Frontage Road: No. of Lanes, and Width (Right and Left)												
Sidewalk: Width and Type (Right and Left)												
Curb and/or Gutter: Type (Right and Left)												
Protective Devices: Type, Location and Number												
Illumination: Type, Location and Number												
Curves: Degree of Curvature (Right or Left)												
Superelevation (Range)												
Grades: % Grade, Positive or Negative												
Vertical Curve: Crest or Sag, Curve Limits												
Area and Development:												
Terrain: 1-Flat, 2-Rolling, 3-Mountainous												
Speed: 1-Design, 2-Posted												
Intersection Control Devices: Type, Location and Cycle Timing												
Sight Distance: Minimum Passing PSD—												
Minimum Stopping SSD—												
Pavement Striping: No Passing Zones												
Capacity: Service Volume—E												
Previous Projects: Project No., Date and Limits												
Functional Classification												

Date Released	
Revised	
KA	9-81
J.K.	Jan 88
BY	May 88
R.O.	6/88
MP	3/89
BY	7/90
BY	3/92
JK	6/93
PT	7/94
D.B.	4/99

JK 1/00 D.B. 10/00, 7/04, 9/04

ROAD INVENTORY HAWAII RTE.190 MAMALAHOA HWY.

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

Total Designated Route Length: 38.99 MILES (a+b)
a. Existing Length: 38.99 MILES
b. Proposed Length: NONE MILES
Total Travel Way Length: 38.99 MILES (a+b, less c)
a. Existing Length: 38.99 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)

Maintenance Control Sections: Length and Description

ADT Sections: ADT, Traffic Count and Truck Weight Stations

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

Vertical Clearance

Horizontal Clearance

Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study)

Right of Way Fence: Type - Right and Left

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

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

Project No. and Type of Construction

Year Project Constructed

Road Diagram

SCALE: (In Miles)

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right or Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Speed: 1-Design, 2-Posted

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD-

Minimum Stopping SSD-

Pavement Striping: No Passing Zones

Capacity: Service Volume-E PREVIOUS PROJECTS:

Previous Projects: Project No., Date and Limits

Functional Classification

SCALE: (In Miles)

HPMB Sections

Date Released

Revised

RA 2-81

J.K. Jan 85

M.P. MARCH 89

B.Y. 2-90

B.Y. 7-90

B.Y. 5-91

B.Y. 3-92

P.T. 7-94

J.K. 2-98

DB. 4/99

JK 10/00

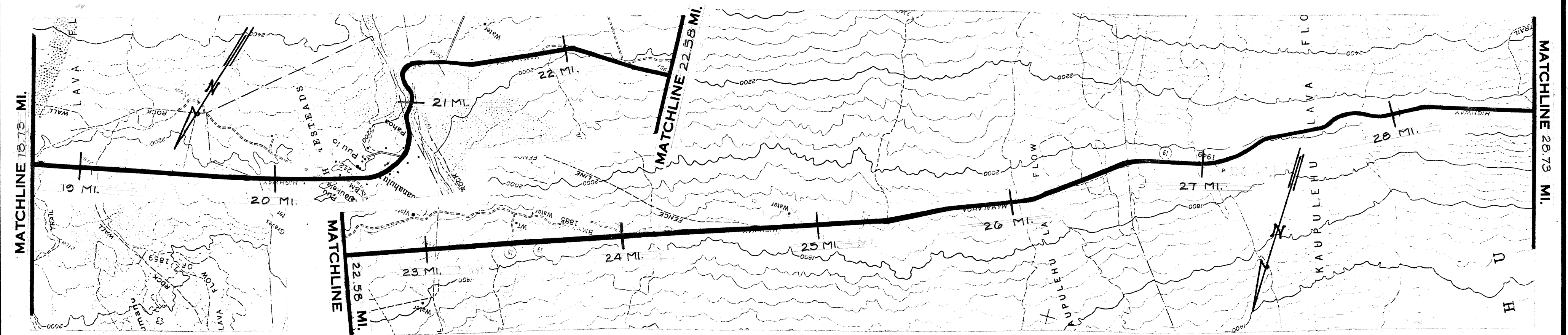
DB. 10/00, 7/04

JK 10/01

ROAD INVENTORY HAWAII RTE.190 MAMALAHOA HWY.

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

Total Designated Route Length: 38.99 MILES (a+b)
a. Existing Length: 38.99 MILES
b. Proposed Length: NONE MILES
Total Travel Way Length: 38.99 MILES (a+b, less c)
a. Existing Length: 38.99 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)		18.73 MI.	19	20	21	22	23	24	25	26	27	28	28.73 MI.
Maintenance Control Sections: Length and Description		190 C (7.87 mi.)											
ADT Sections; ADT; Traffic Count and Truck Weight Stations		190 C (21.63 MI.)											
Street Crossing Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed												
	Vertical Clearance												
Street Over Road	Horizontal Clearance												
	Vertical Clearance												
Street Over Road	Horizontal Clearance												
	Right of Way Width (min. - max.) if varies	60'-130'											
Available Right of Way Width (Needs Study)		1000' CLEAR, LAVA ROCK W/BRUSH, GRASS - 10' from Pavement											
Right of Way Fence: Type - Right and Left		WIRE ON WOOD - 10' from Pavement											
Control of Access: 1-None, 2-Partial, 3-Full													
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)		STATE											
Project No. and Type of Construction		190C-01-89M (R)											
Year Project Constructed		1989											
Road Diagram		18.73 MI. 19.00 MI. 19.86 MI. 20.21 MI. 20.92 MI. 21.47 MI. 21.96 MI. 22.92 MI. 23.96 MI. 24.96 MI. 25.96 MI. 27.07 MI. 27.60 MI. 27.96 MI. 28.73 MI.											

SCALE: (In Miles)		18.73 MI.	19	20	21	22	23	24	25	26	27	28	28.73 MI.
Divided Hwy.	Shoulder: Width and Type	4' DIRT											
	Pavement: Width and Type	22' AC											
	Shoulder: Width and Type	5' DIRT											
	Median: Width and Type	2' AC											
	Shoulder: Width and Type	4' AC											
	Pavement: Width and Type	22' AC											
Number of Traffic Lanes		2-11'											
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)													
(Right Side)													
Frontage Road: No. of Lanes, and Width (Right and Left)													
Sidewalk: Width and Type (Right and Left)													
Curb and/or Gutter: Type (Right and Left)		2' AC GUTTER											
Protective Devices: Type, Location and Number		CRM WALL											
Illumination: Type, Location and Number													
Curves: Degree of Curvature (Right or Left)													
Superelevation (Range)													
Grades: % Grade, Positive or Negative													
Vertical Curve: Crest or Sag, Curve Limits													
Area and Development:													
Terrain: 1-Flat, 2-Rolling, 3-Mountainous		RURAL ROLLING											
Speed: 1-Design, 2-Posted		55 MPH @ (Minimum 40 MPH)											
Intersection Control Devices: Type, Location and Cycle Timing													
Sight Distance: Minimum Passing PSD-													
Minimum Stopping SSD-													
Pavement Striping: No Passing Zones													
Capacity: Service Volume-E													
Previous Projects: Project No., Date and Limits		190C-01-70 (Resurf. & Rehab.), 1971											
Functional Classification		MINOR ARTERIAL											
SCALE: (In Miles)		18.73 MI.	19	20	21	22	23	24	25	26	27	28	28.73 MI.

Date Released	
Revised	
KA	2-81
J.K.	Jan 85
B.Y.	2-90
B.Y.	7/90
B.Y.	5/91
B.Y.	2/92
D.B.	4/99
J.K.	1/00
D.B.	10/00

ROAD INVENTORY HAWAII RTE.190 MAMALAHOA HWY.

PALANI RD.

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

Total Designated Route Length: 38.99 MILES (a+b)
a. Existing Length: 38.99 MILES
b. Proposed Length: None MILES
Total Travel Way Length: 38.99 MILES (a+b, less c)
a. Existing Length: 38.99 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)

Maintenance Control Sections: Length and Description

ADT Sections: ADT, Traffic Count and Truck Weight Stations

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

Vertical Clearance

Horizontal Clearance

Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study)

Right of Way Fence: Type - Right and Left

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

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

Project No. and Type of Construction

Year Project Constructed



Road Diagram

SCALE: (In Miles)

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number ALL Guardrails Metal on Metal

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right or Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Speed: 1-Design, 2-Posted

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD-

Minimum Stopping SSD-

Pavement Striping: No Passing Zones

Capacity: Service Volume-E PREVIOUS PROJECTS:

Previous Projects: Project No., Date and Limits

Functional Classification

SCALE: (In Miles)

HPMS Sections

Date Released

Revised

RA 2-81

J.K. Jan 83

" May 87

B.Y. July 90

B.Y. Dec. 90

B.Y. May 91

B.Y. Mar. 92

J.K. June 93

PT AUG 94

pt July 95 JK 2/98 JK 1/00, 9/02
DB 4/99 DB 10/00, 7/04

ROAD INVENTORY RTE 190 MAMALAHOA HWY - PALANI ROAD

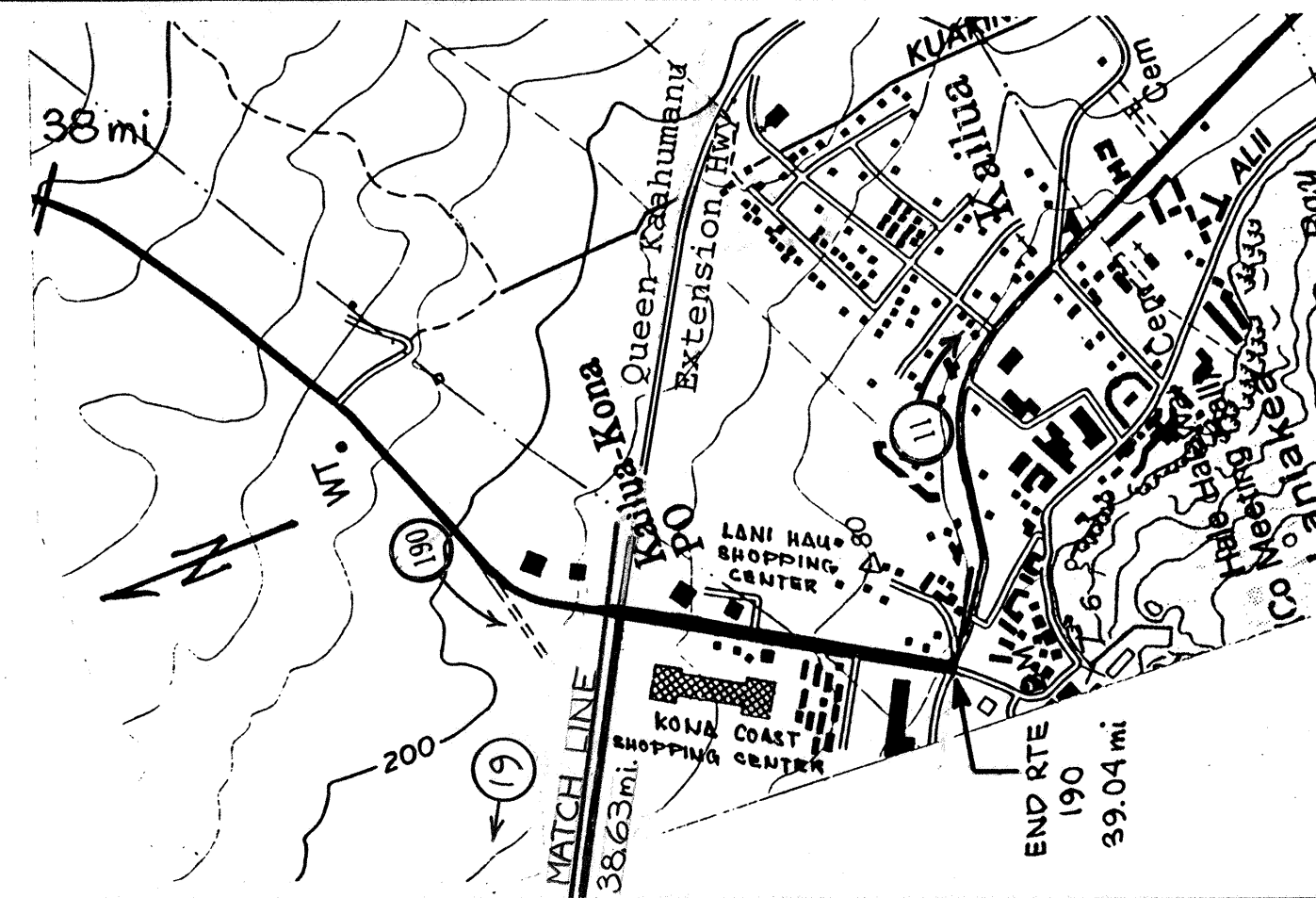
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Designated Route Length: 38.99 MILES (a-b)
a. Existing Length: 38.99 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 38.99 MILES (a-b, less c)
a. Existing Length: 38.99 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



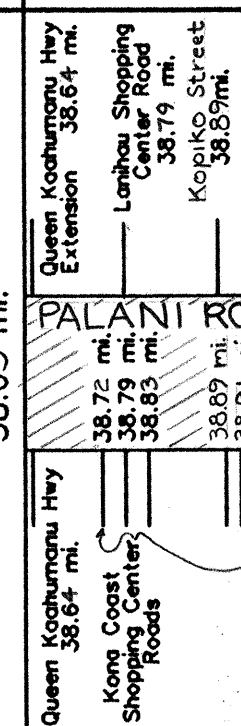
Maintenance Control Sections: Length and Description		COUNTY
ADT Sections: ADT: Traffic Count and Truck Weight Stations		190 09 (0.38 mi.)
Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed	NONE
	Vertical Clearance	
	Horizontal Clearance	
	Vertical Clearance	
Structure Over Road	Horizontal Clearance	
	Right of Way Width (min.-max.) if varies	
	Available Right of Way Width (Needs Study)	
	Right of Way Fence: Type - Right and Left	
Control of Access: 1-None, 2-Partial, 3-Full		
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)		
Project No. and Type of Construction		COUNTY
Year Project Constructed		



INDICATES GRASS
AND/OR PHYSICAL
BARRIERS.

Road Diagram

Continued from sheet 4



END RTE 190 ON PALANI ROAD AT THE
N.E. EDGE OF PAVT OF KUKUNI HWY.

SCALE: (In Miles) 4" = 1 mile

Divided Highway		COUNTY
Undivided	Shoulder: Width and Type	0
	Pavement: Width and Type	24' AC
	Shoulder: Width and Type	0
	Median: Width and Type	0'-28' RAISED GRASS & TREE w/ CURB
	Shoulder: Width and Type	0
	Pavement: Width and Type	24' AC
Divided	Shoulder: Width and Type	0
	Pavement: Width and Type	24' AC
	Shoulder: Width and Type	0
	Median: Width and Type	0'-28' RAISED GRASS & TREE w/ CURB
	Shoulder: Width and Type	0
	Pavement: Width and Type	24' AC
Number of Traffic Lanes		4 - 12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)		
(Right Side)		
Frontage Road: No. of Lanes, and Width (Right and Left)		
Sidewalk: Width and Type (Right and Left)		2' CONC. SAW
Curb and/or Gutter: Type (Right and Left)		2' CONC. SAW
Protective Devices: Type, Location and Number		2' CONC. GUTTER/CURB
Illumination: Type, Location and Number		2' CONC. GUTTER/CURB
Curves: Degree of Curvature (Right and Left)		
Superelevation (Range)		
Grades: % Grade, Positive or Negative		
Vertical Curve: Crest or Sag, Curve Limits		
Area and Development:		URBAN
Terrain: 1-Flat, 2-Rolling, 3-Mountainous		
Speed: 1-Design, 2-Posted		25 MPH (2)
Intersection Control Devices: Type, Location and Cycle Timing		
Sight Distance: Minimum Passing PSD-		
Minimum Stopping SSD-		
Pavement Striping: No Passing Zones		
Capacity: Service Volume-E		
DOD Sections		
Census Tracts		
Functional Classification		
National Highway System (NHS)		
Previous Projects: Project No., Date and Limits		

HPMS

SCALE: (In Miles) 4" = 1 mile

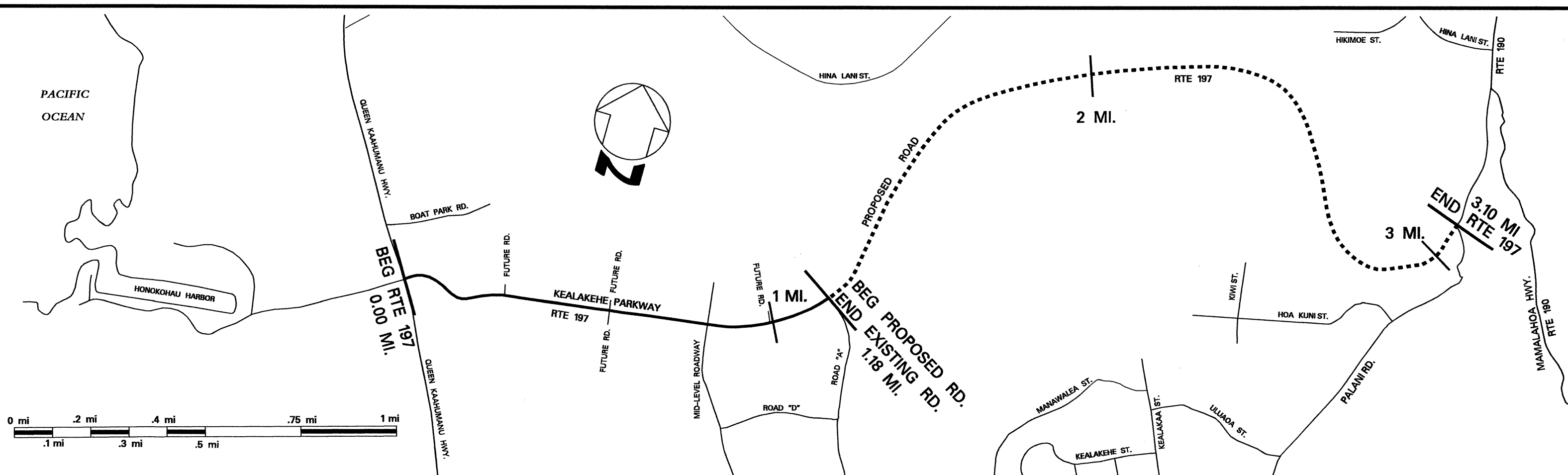
ROAD INVENTORY
HAWAII RTE 197
KEALAKEHE PARKWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Designated Route Length: 3.10 MILES (a + b)
a. Existing Length: 1.18 MILES
b. Proposed Length: 1.92 MILES
Total Travel Way Length: 1.18 MILES (a + b, less c)
a. Existing Length: 1.18 MILES
b. Temporary Length: 0.00 MILES
c. Length used as T.W. for another Route: 0.00 MILES (-)

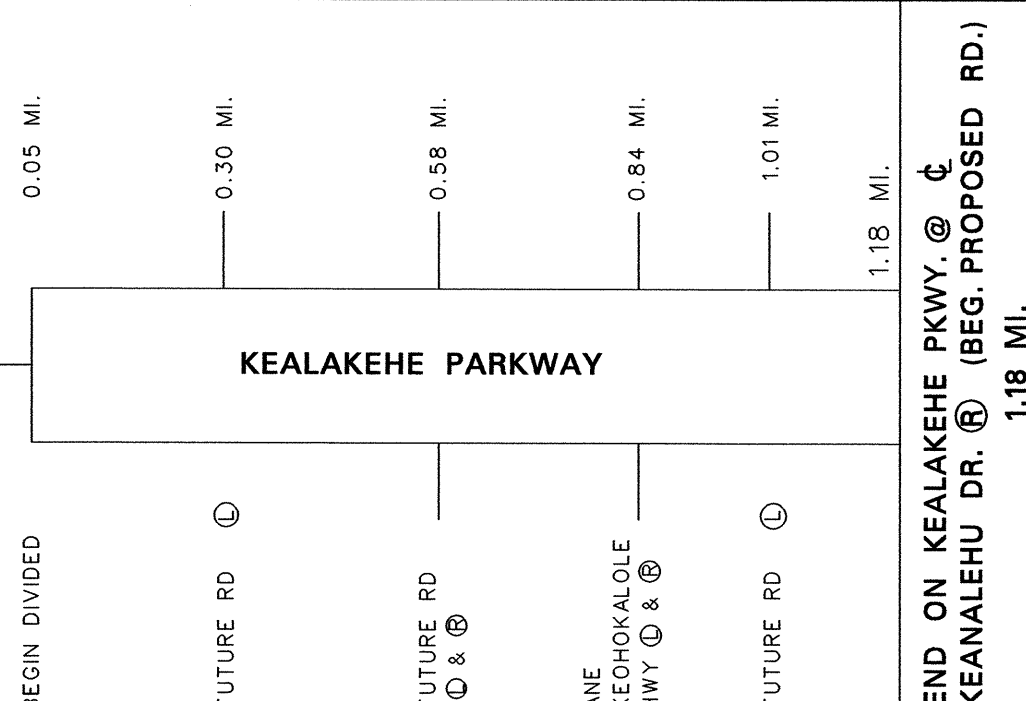
NEEDS STUDY ROUTE NO. FUNCTIONAL CLASSIFICATION



Road Diagram

* MP = Milepost Signage

BEGIN RTE 197 ON KEALAKEHE PARKWAY
AT THE N.E. e.p. OF QUEEN KAHUMANU
HWY. (RTE 11) 0.00 MI.



Indicates Grass & / or
Physical Barrier on Median.

PROPOSED ROAD

END RTE 197 ON PROPOSED ROAD @
S. e.p. OF PALANI ROAD.
3.10 MI.

SCALE: (In Miles) 4" = 1 mile

Divided Highway

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

Number of Traffic Lanes

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

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right and Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Speed: 1-Design, 2-Posted

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD-

Minimum Stopping SSD-

Pavement Striping: No Passing Zones

Capacity: Service Volume-E

DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

HPMS

SCALE: (In Miles) 4" = 1 mile

Date
Released
June 1999

Revised

ROAD INVENTORY

HAWAII RTE.200

SADDLE ROAD

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

Total Designated Route Length: 45.74 MILES (a+b)
a. Existing Length: 45.74 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 45.74 MILES (a+b, less c)
a. Existing Length: 45.74 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)

Maintenance Control Sections: Length and Description

ADT Sections; ADT; Traffic Count and Truck Weight Stations

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

Vertical Clearance

Horizontal Clearance

Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study)

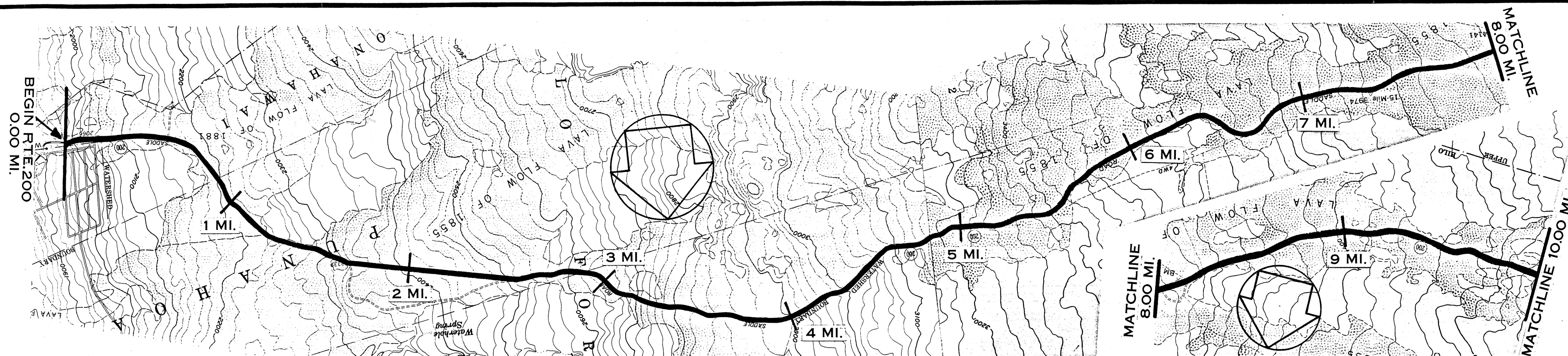
Right of Way Fence: Type - Right and Left

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

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

Project No. and Type of Construction

Year Project Constructed



200 01 (45.79 mi.)

ESTIMATED, VARIES 80'-150'

BUSHES, GRASS AND TREES

NONE

NONE

COUNTY

RS-0200(4), COUNTY PROJECT

1987 (R)

RS-0200(3), COUNTY PROJECT

1987 (R)

Road Diagram

0.00 MI.
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2.7

ROAD INVENTORY HAWAII RTE.200 SADDLE ROAD

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

Total Designated Route Length: 45.74 MILES (a+b)
a. Existing Length: 45.74 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 45.74 MILES (a+b, less c)
a. Existing Length: 45.74 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)

Maintenance Control Sections: Length and Description

ADT Sections; ADT; Traffic Count and Truck Weight Stations

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

Vertical Clearance

Horizontal Clearance

Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study)

Right of Way Fence: Type - Right and Left

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

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

Project No. and Type of Construction

Year Project Constructed

Road Diagram

SCALE: (In Miles)

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

Number of Traffic Lanes

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

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right or Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Speed: 1-Design, 2-Posted

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD—

Minimum Stopping SSD—

Pavement Striping: No Passing Zones

Capacity: Service Volume—E

Previous Projects: Project No., Date and Limits

FUNCTIONAL CLASSIFICATION

SCALE: (In Miles)

HPMS Sections

Date Released
June 1984 J.K.

Revised
J.K. 5/86
B.Y. 7/90
P.T. 8-94
D.B. 4/99
J.K. 1/00
D.B. 10/00
J.K. 10/01
D.B. 7/04

ROAD INVENTORY HAWAII RTE.200 SADDLE ROAD

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

Total Designated Route Length: 45.74 MILES (a+b)
a. Existing Length: 45.74 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 45.74 MILES (a+b, less c)
a. Existing Length: 45.74 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)

Maintenance Control Sections: Length and Description

ADT Sections; ADT; Traffic Count and Truck Weight Stations

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

Vertical Clearance

Horizontal Clearance

Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study)

Right of Way Fence: Type - Right and Left

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

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

Project No. and Type of Construction

Year Project Constructed

NOTE: ALL MILEAGES ON THIS SHEET
ONLY ARE TO BE ALTERED BY
A FACTOR OF (-)0.04 MI.

Road Diagram

SCALE: (In Miles)

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Shoulder: Width and Type

Shoulder: Width and Type

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Shoulder: Width and Type

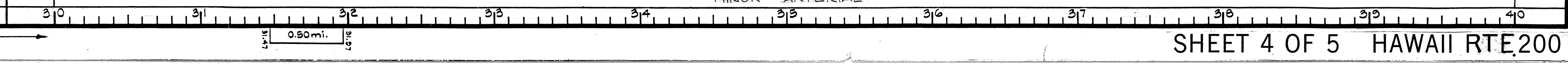
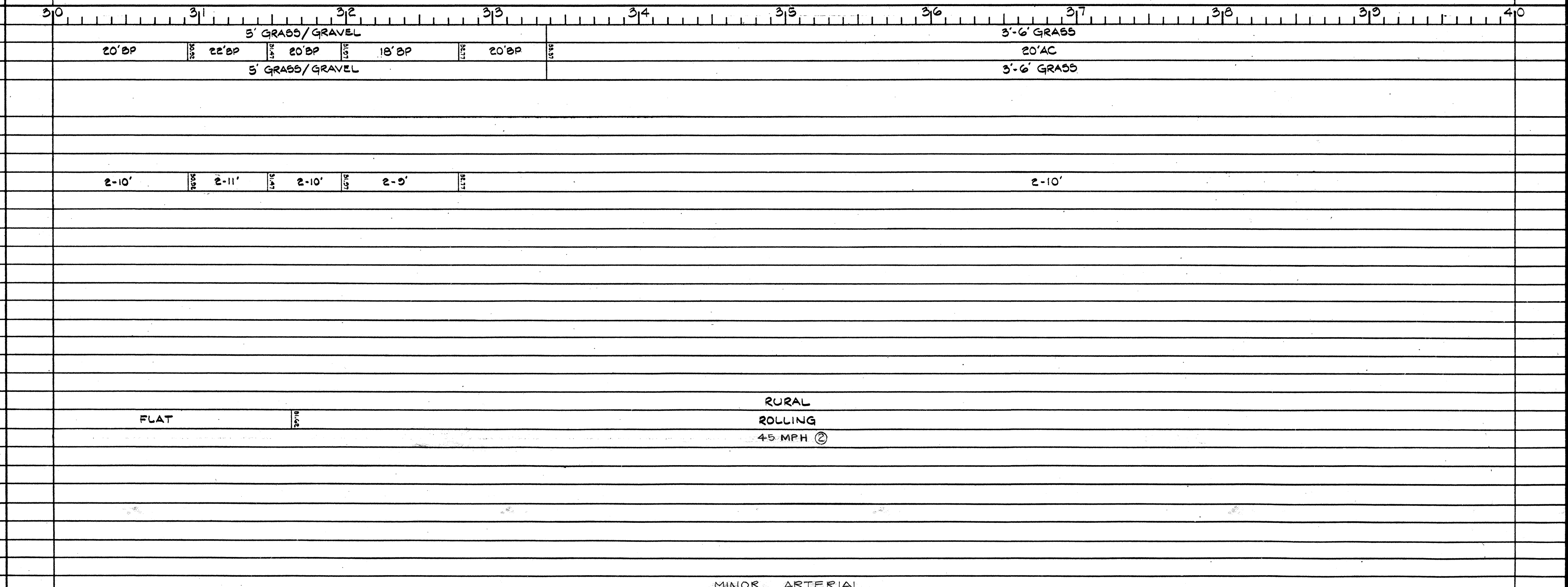
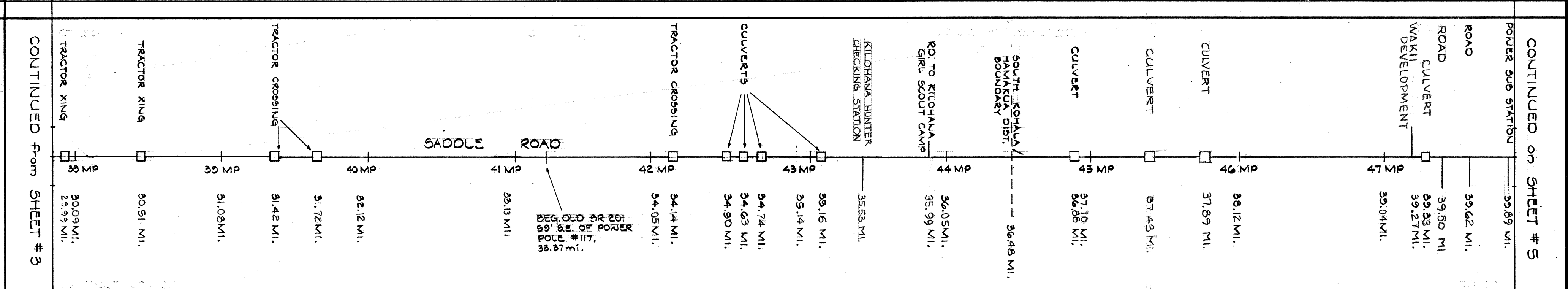
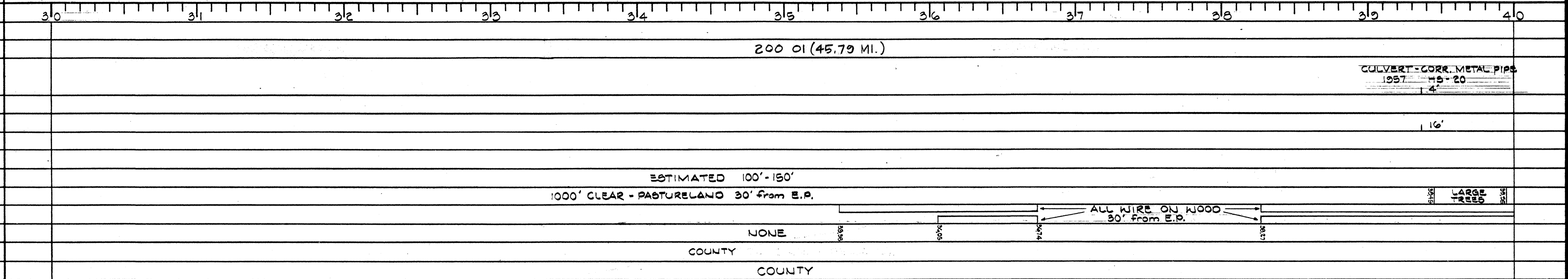
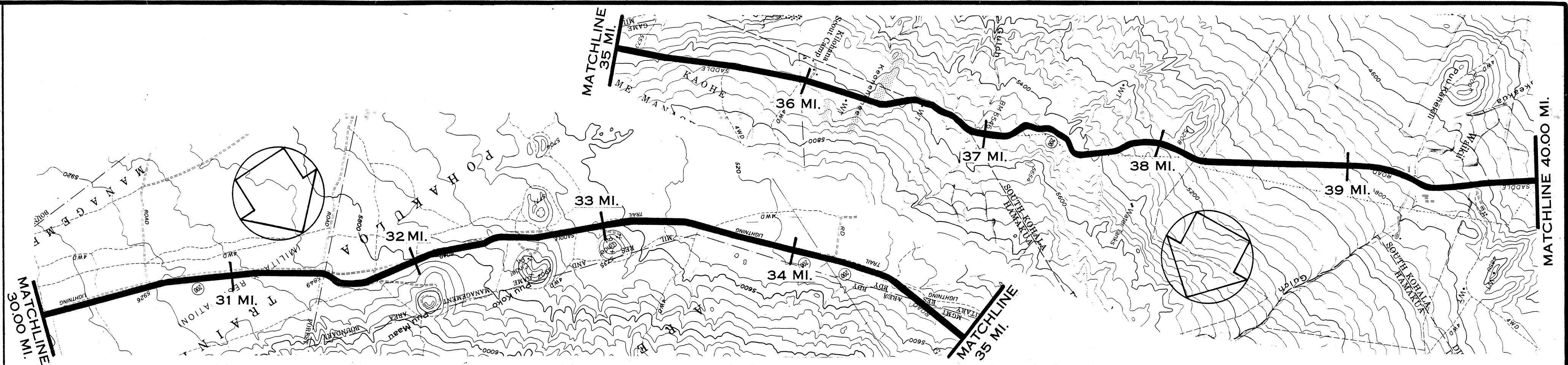
Shoulder: Width and Type

Shoulder: Width and Type

Shoulder: Width and Type

Shoulder: Width and Type

Shoulder: Width and Type



Date Released	
July 1984 J.K.	
Revised	
B.Y.	7/90
P.T.	8-84
D.B.	4/99
J.K.	1/00
D.B.	10/00
D.B.	7/04

ROAD INVENTORY HAWAII RTE.200 SADDLE ROAD

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

Total Designated Route Length: 45.74 MILES (a+b)
a. Existing Length: 45.74 MILES
b. Proposed Length: 0.00 MILES
Total Travel Way Length: 45.74 MILES (a+b, less c)
a. Existing Length: 45.74 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)

Maintenance Control Sections: Length and Description

ADT Sections; ADT; Traffic Count and Truck Weight Stations

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

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

Available Right of Way Width (Needs Study)

Right of Way Fence: Type - Right and Left

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

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

Project No. and Type of Construction

Year Project Constructed

Road Diagram

SCALE: (In Miles)

Divided Hwy.
Shoulder: Width and Type
Pavement: Width and Type
Shoulder: Width and Type
Median: Width and Type
Shoulder: Width and Type
Pavement: Width and Type
Shoulder: Width and Type

Number of Traffic Lanes

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

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

Sidewalk: Width and Type (Right and Left)

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

Protective Devices: Type, Location and Number

Illumination: Type, Location and Number

Curves: Degree of Curvature (Right or Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Speed: 1-Design, 2-Posted

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing PSD—

Minimum Stopping SSD—

Pavement Striping: No Passing Zones

Capacity: Service Volume—E

Previous Projects: Project No., Date and Limits

FUNCTIONAL CLASSIFICATION

SCALE: (In Miles)

HPMS Sections

Date Released
July 1984 J.K.

Revised
J.K. May 86
" " 87
B.Y. July 90
B.Y. Dec. 90
J.K. 6/93
P.T. 8-94
D.B. 4/99
D.B. 10/00

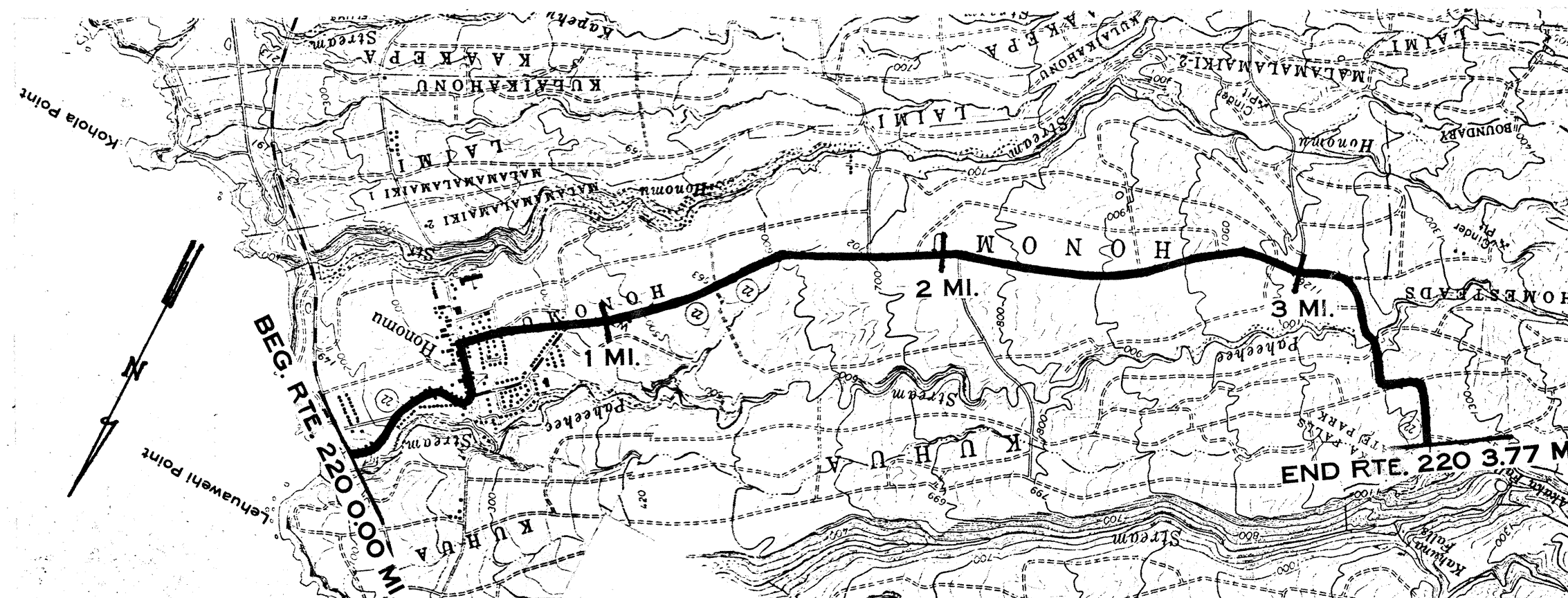
HONOLULU RD., MAMALAHOA HWY., AKAKA FALLS ROAD

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

Total Designated Route Length: 3.77 MILES (a+b)
a. Existing Length: 3.77 MILES
b. Proposed Length: NONE MILES

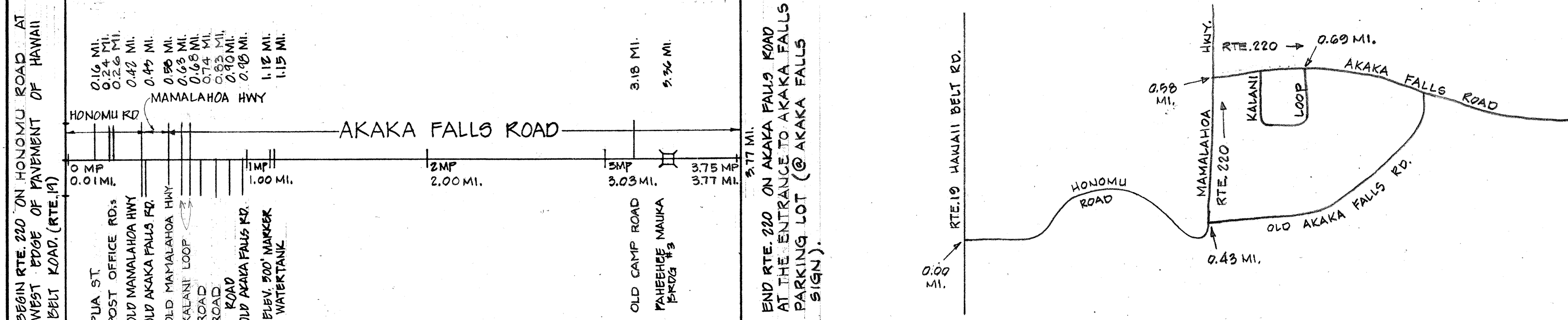
Total Travel Way Length: 3.77 MILES (a+b, less c)
a. Existing Length: 3.77 MILES
b. Temporary Length: NONE MILES
c. Length used as T.W. for another Route: NONE MILES(-)

NEEDS STUDY ROUTE NO. _____ FUNCTIONAL CLASSIFICATION _____



SCALE: (in Miles)		0'		1'		2'		3'		4'		5'																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Road Diagram



Divided Hwy.		SCALE: (In Miles)		0 1 2 3 4 5	
Undivided	Shoulder: Width and Type	3' GRASS		4' AC	
	Pavement: Width and Type	20' AC		22' AC	
	Shoulder: Width and Type	24' AC		4' AC	
	Median: Width and Type				
	Shoulder: Width and Type				
Divided	Shoulder: Width and Type				
	Pavement: Width and Type				
	Shoulder: Width and Type				
	Shoulder: Width and Type				
Number of Traffic Lanes		2-10'		2-12'	
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)					
(Right Side)					
Frontage Road: No. of Lanes, and Width (Right and Left)					
Sidewalk: Width and Type (Right and Left)					
Curb and/or Gutter: Type (Right and Left)					
Protective Devices: Type, Location and Number					
Illumination: Type, Location and Number					
Curves: Degree of Curvature (Right or Left)					
Superelevation (Range)					
Grades: % Grade, Positive or Negative					
Vertical Curve: Crest or Sag, Curve Limits					
Area and Development:					
Terrain: 1-Flat, 2-Rolling, 3-Mountainous					
Speed: 1-Design, 2-Posted		35 MPH (2) 25 MPH (2)		45 MPH (2) 25 MPH (2)	
Intersection Control Devices: Type, Location and Cycle Timing					
Sight Distance: Minimum Passing PSD—					
Minimum Stopping SSD—					
Pavement Striping: No Passing Zones					
Capacity: Service Volume—E		220A-01-72 1972(R)		220A-01-79M 1978 RESURFACE PMS-0100(8), UNIT 5	
Previous Projects: Project No., Date and Limits		S-246-1 CTY 220A-02-72 1973		A-220-01-64 COUNTY A-22-01-61 STP-0100(8), 1994	
FUNCTIONAL CLASSIFICATION		MAJOR COLLECTOR			
SCALE: (In Miles)		0 1 2 3 4 5			

Date Released	

Revised	
H.F.	8/81
R.O.	10/81
J.K.	5/87
B.Y.	7/90
B.Y.	10/90
B.Y.	12/90
P.T.	8-24
P.T.	July 95
D.B.	April 99

D.B. 10/00, 7/04
D.B. 2/05

ROAD INVENTORY HAWAII RTE.240 HONOKAA-WAIPIO ROAD and MAMANE STREET

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION
HIGHWAY PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Designated Route Length: 9.62 MILES (a+b)
a. Existing Length: 9.62 MILES
b. Proposed Length: None MILES
Total Travel Way Length: 9.62 MILES (a+b, less c)
a. Existing Length: 9.62 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)

Maintenance Control Sections: Length and Description

ADT Sections; ADT; Traffic Count and Truck Weight Stations

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

Vertical Clearance

Horizontal Clearance

Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study)

Right of Way Fence: Type - Right and Left

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

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

Project No. and Type of Construction

Year Project Constructed

Road Diagram

SCALE: (In Miles)

Divided Hwy.

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Median: Width and Type

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

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

(Right Side)

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

Sidewalk: Width and Type (Right and Left)

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

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

Illumination: Type, Location, and Number

Curves: Degree of Curvature (Right or Left)

Superelevation (Range)

Grades: % Grade, Positive or Negative

Vertical Curve: Crest or Sag, Curve Limits

Area and Development:

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

Speed: 1-Design, 2-Posted

Intersection Control Devices: Type, Location and Cycle Timing

Sight Distance: Minimum Passing SSD-

Minimum Stopping SSD-

Pavement Striping: No Passing Zones

Capacity: Service Volume-E

Previous Projects: Project No., Date and Limits

FUNCTIONAL CLASSIFICATION

SCALE: (In Miles)

Date Released

Revised

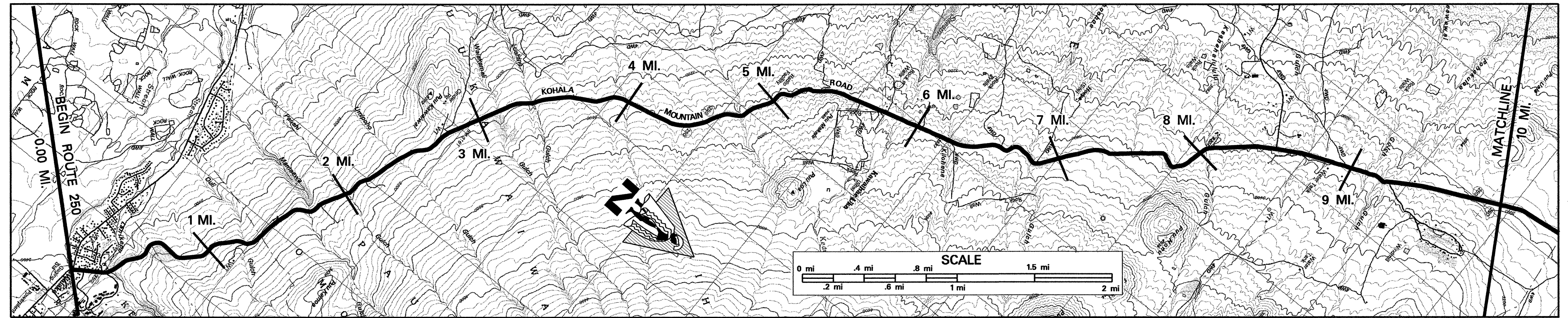
JK	8/81
RAA	10/84
BY	7/90
BY	12/90
RT	8-94
PH	7-95
DB	April/99
DB	10/00
DB	7/04

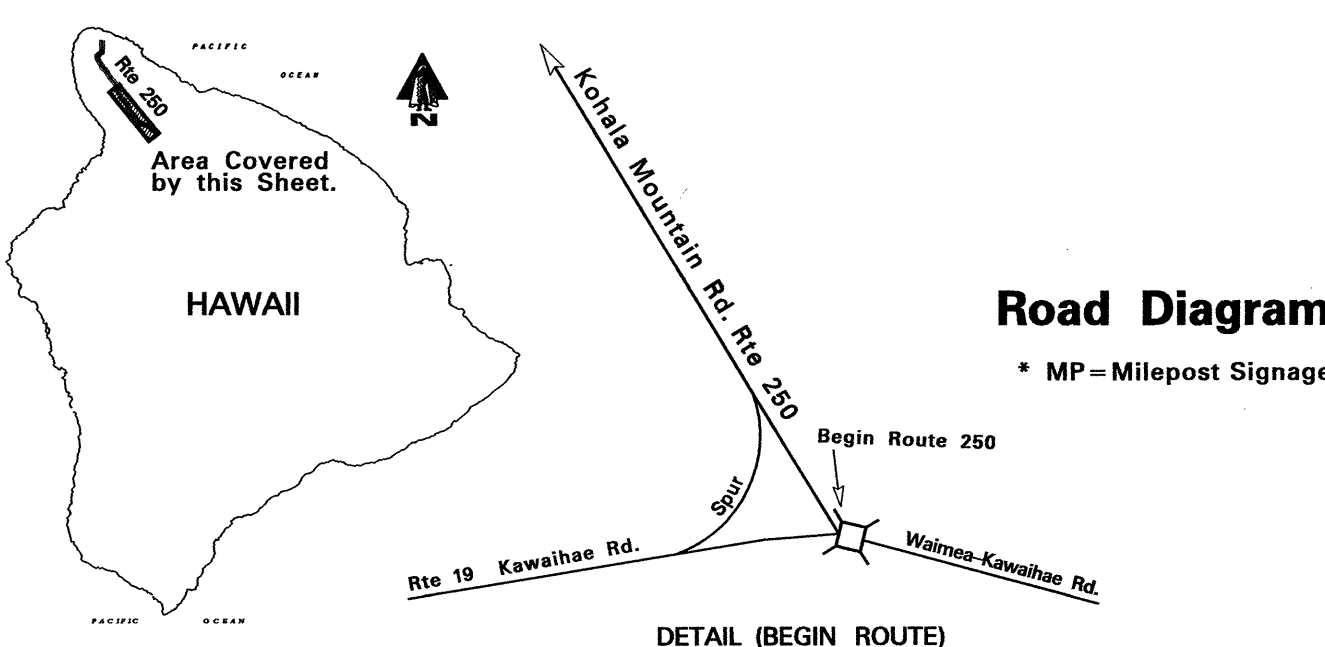
HPMS SECTIONS

Sheet 1 of 1 HAWAII RTE.240

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

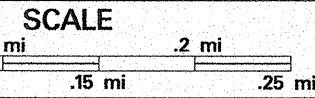
SCALE: (In Miles) 2" = 1 mile



SCALE: (In Miles) 2" = 1 mile		012345678910	
Maintenance Control Sections : Length and Description		Begin 250A on Kohala Mountain Road 34' N.W. of West E.P. of Kawaihae Rd. 250 A (19.23 mi.)	
ADT Sections; ADT; Traffic Count and Truck Weight Stations		250 01 250 02 (17.16 mi.)	
Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed	50' Slab HS 20 1961 31' Culvert H20 1953	
	Vertical Clearance	6.36 6.32	
	Horizontal Clearance	136' 118'	
	Horizontal Clearance		
Structure Over Road	Vertical Clearance		
	Horizontal Clearance		
	Horizontal Clearance		
	Horizontal Clearance		
Right of Way Width (min.-max.) if varies		(Stonewall) 60' 80'-120' 80'-130' 80'-145' 80' Estimated 80'-140'	
Available Right of Way Width (Needs Study)		W/W 20' E.P. 2.23 W/W 25' E.P. W/W 10' E.P. Heavy Trees 7.46 Mountainous Pasture with Trees (1000' Clear most of the way)	
Right of Way Fence: Type - Right and Left W/W=Wire on Wood, E.P.=from Edge of Pavement		W/W 50' E.P. Wires on Wooden Posts 10'-50' from Edge of Pavement W/W 20' E.P.	
Control of Access: 1-None, 2-Partial, 3-Full		None	
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)		State	
Project No., Type of Construction, and Year Constructed		250A-01-90M (R) 1991 (250A-01-91M (R) 1992) STP-0100 (31), 1994 Guardrail Improv. 250A-01-91M (R) 1992 250A-01-92M (R) 1993	
Project No., Type of Construction, and Year Constructed			
			
SCALE: (In Miles) 2" = 1 mile		012345678910	
Divided Highway	Shoulder: Width and Type	2' AC / 4' Grs. 2' AC / 8' Grs. 2' AC / 2' Grs. 6'-10' AC 18' AC (23' AC) 25' AC 2' AC / 4' Grs. 2' AC / 6' Grs.	
	Pavement: Width and Type	20' AC 18' AC 24' AC 18' AC 2' AC / 2' Grs. 2' AC / 4' Grs. 20' AC 18' AC 20' AC	
	Shoulder: Width and Type	4' AC / 2' Dirt 2' AC / 2' Grs. 6'-8' AC 2' AC / 2' Grs. 2' AC / 4' Grs. 2' AC / 2' Grs.	
	Median: Width and Type		
Median Barriers:			
Shoulder: Width and Type			
Pavement: Width and Type			
Shoulder: Width and Type			
Number of Traffic Lanes		2-10' 2-9' 2-12' 2-9' 2-10' 2-9' 2-10'	
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)			
(Right Side)			
Frontage Road: No. of Lanes, and Width (Right and Left)			
Sidewalk: Width and Type (Right and Left)			
Curb and/or Gutter: Type (Right and Left)			
Protective Devices: Type, Location and Number			
Illumination: Type, Location and Number			
Curves: Degree of Curvature (Right and Left)			
Superelevation (Range)			
Grades: % Grade, Positive or Negative			
Vertical Curve: Crest or Sag, Curve Limits			
Area and Development:			
Terrain: 1-Flat, 2-Rolling, 3-Mountainous		Urban Mountainous Rural Rolling	
Speed: 1-Design, 2-Posted		25 MPH 35 MPH	
Intersection Control Devices: Type, Location and Cycle Timing			
Sight Distance: Minimum Passing PSD-			
Minimum Stopping SSD-			
Pavement Striping: No Passing Zones			
Capacity: Service Volume-E			
DOD Sections			
Census Tracts			
Functional Classification		Major Collector	
National Highway System (NHS)			
Previous Projects: Project No., Date and Limits			
HPMS			
SCALE: (In Miles) 2" = 1 mile		012345678910	

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

•



 Indicates Grass & / or Physical Barrier on Median.

Road Diagram

* MP = Milepost Signage

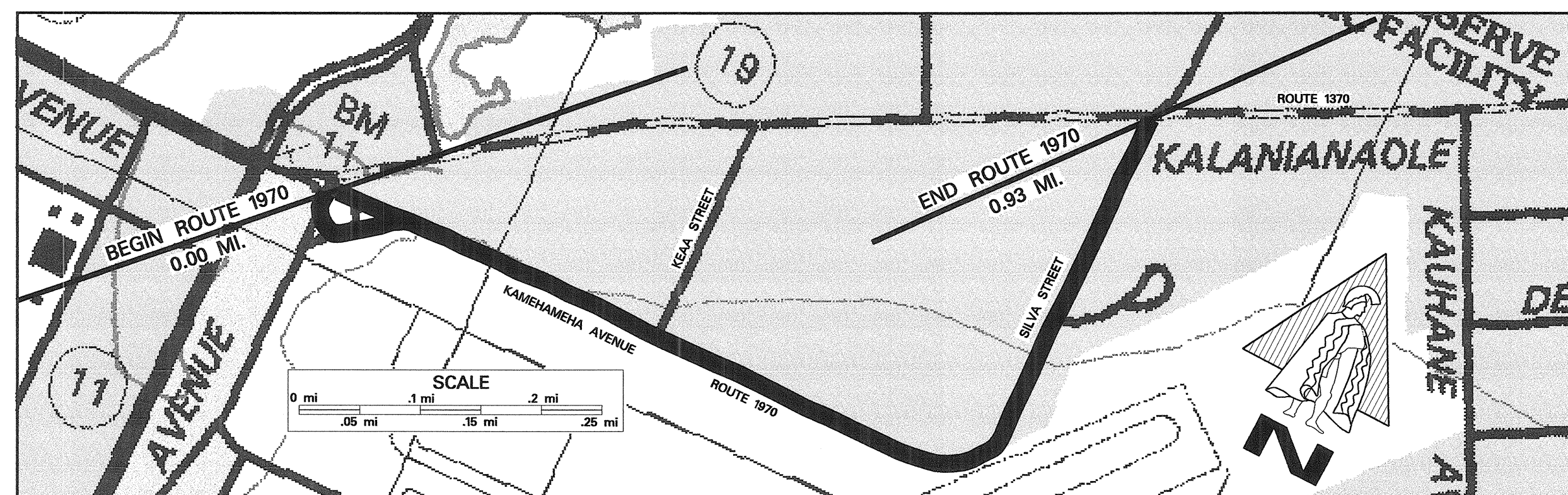
[illegible]

Total Route Length: _____ **0.93 miles**

a. Survey Length: _____ **0.93 miles**

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

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

[illegible]

ROAD INVENTORY
HAWAII RTE 2000
PUAINAKO ST., PUAINAKO ST. EXTENSION

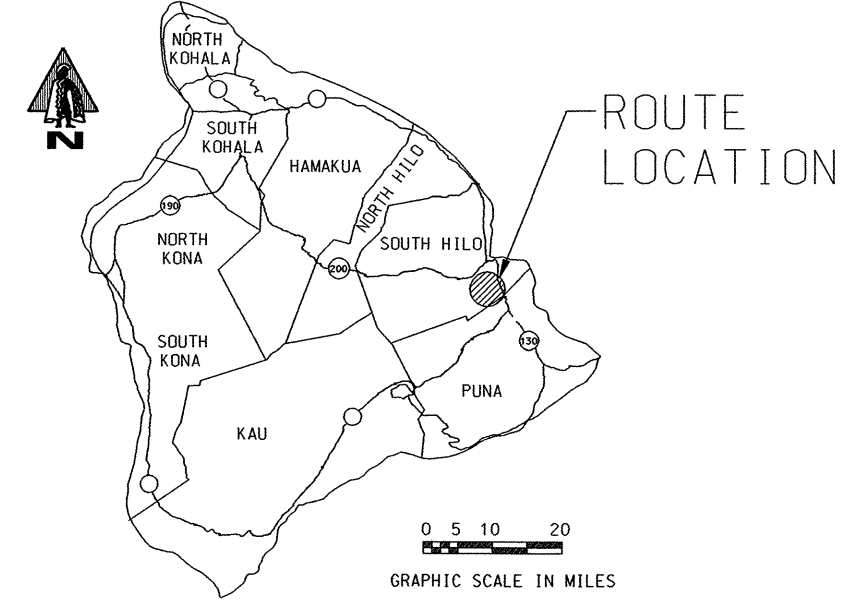
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PREPARED BY THE
HIGHWAY PLANNING BRANCH
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Total Route Length: 7.12 miles
a. Survey Length: 2.18 miles
b. Proposed Length: 4.94 miles
c. Other Length: * 0.00 miles

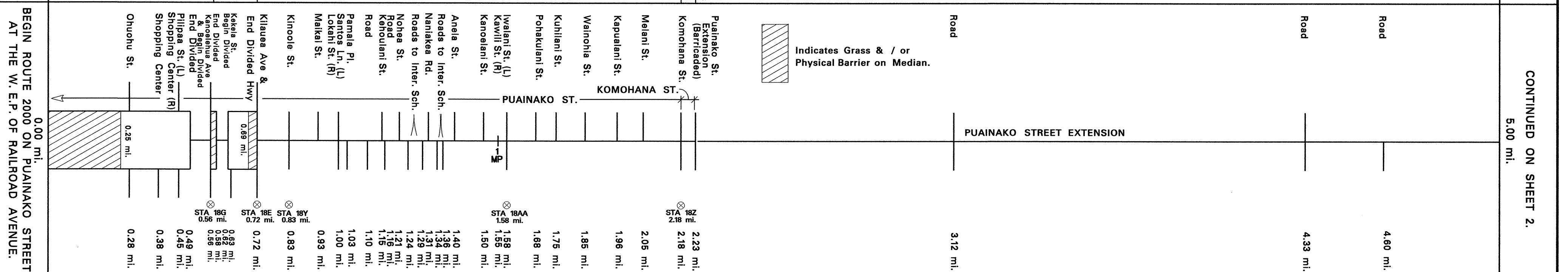


SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description		0	1	2	3	4	5
ADT Sections; ADT; Traffic Count and Truck Weight Stations		2000 01 (0.56 MI.)	2000 02 (0.17 MI.) 2000 03 (0.10 MI.)	2000 04 (0.75 MI.)	2000 05 (0.60 MI.)	2000 06 (4.92 MI.)	
Structure Carrying Road	Bridges (Over 20'): Length, Type, Capacity and Year Constructed						
	Vertical Clearance						
	Horizontal Clearance						
	Vertical Clearance						
Structure Over Road	Horizontal Clearance						
	Right of Way Width (min.-max.) if varies						
	Available Right of Way Width (Needs Study)						
	Right of Way Fence: Type - Right and Left						
Control of Access: 1-None, 2-Partial, 3-Full							
Jurisdiction, Transfer Phase No. and Date (C to S or S to C)							
Project No., Type of Construction, and Year Constructed							
Project No., Type of Construction, and Year Constructed							



Road Diagram
* MP = Milepost Signage



SCALE: (In Miles) 4" = 1 mile

Divided Highway	Shoulder: Width and Type	0	1	2	3	4	5
	Pavement: Width and Type	28' AC	24' AC	24' AC	24' AC	24' AC	24' AC
	Shoulder: Width and Type	0	0	0	0	0	0
	Median: Width and Type	42' Raised Grass	12' Painted AC	12' Painted AC	12' Painted AC	12' Painted AC	12' Painted AC
Divided Highway	Median Barriers:	0	0	0	0	0	0
	Shoulder: Width and Type	28' AC	12' AC	26' AC	26' AC	26' AC	26' AC
	Pavement: Width and Type	0	0	0	0	0	0
	Shoulder: Width and Type	0	0	0	0	0	0
Number of Traffic Lanes		4-14'	2-12'	2-12'	2-12'	2-12'	2-12'
Auxiliary Lanes and Parking Lanes: No. of Lanes and Width (Left Side)							
(Right Side)							
Frontage Road: No. of Lanes, and Width (Right and Left)							
Sidewalk: Width and Type (Right and Left)							
Curb and/or Gutter: Type (Right and Left)							
Protective Devices: Type, Location and Number							
Illumination: Type, Location and Number							
Curves: Degree of Curvature (Right and Left)							
Superelevation (Range)							
Grades: % Grade, Positive or Negative							
Vertical Curve: Crest or Sag, Curve Limits							
Area and Development:							
Terrain: 1-Flat, 2-Rolling, 3-Mountainous							
Speed: 1-Design, 2-Posted							
Intersection Control Devices: Type, Location and Cycle Timing							
Sight Distance: Minimum Passing PSD-							
Minimum Stopping SSD-							
Pavement Striping: No Passing Zones							
Capacity: Service Volume-E							
DOD Sections							
Census Tracts							
Functional Classification							
National Highway System (NHS)							
Previous Projects: Project No., Date and Limits							
HPMS							

SCALE: (In Miles) 4" = 1 mile

CONTINUED ON SHEET 2.
5.00 MI.

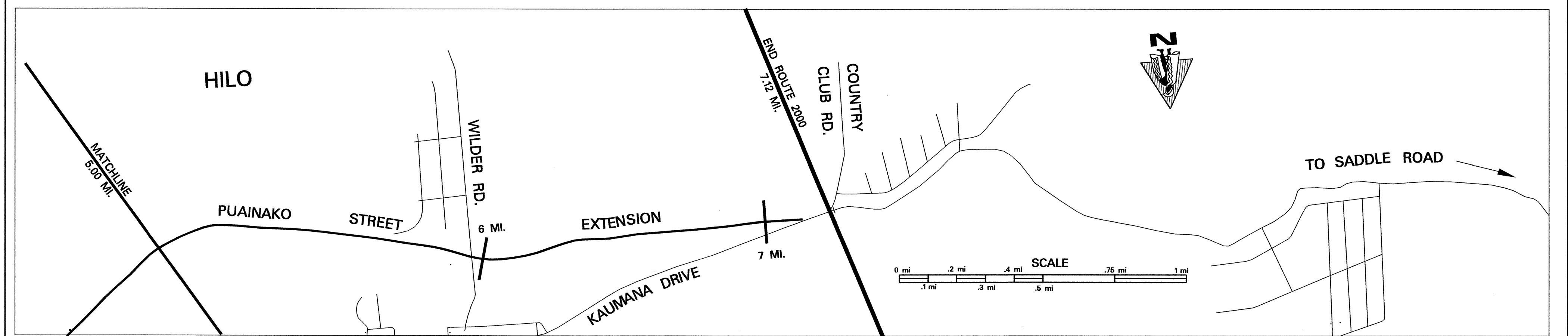
Date Released
Dec. 2003, DB
Revised
Apr. 04 D.B.
July 04 D.B.
Sept 04 D.B.

ROAD INVENTORY
HAWAII RTE 2000
PUAINAKO STREET EXTENSION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

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

Total Route Length: 7.12 miles
a. Survey Length: 2.18 miles
b. Proposed Length: 4.94 miles
c. Other Length: * 0.00 miles



SCALE: (In Miles) 4" = 1 mile

Maintenance Control Sections : Length and Description

ADT Sections; ADT; Traffic Count and Truck Weight Stations

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

Vertical Clearance

Horizontal Clearance

Vertical Clearance

Horizontal Clearance

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

Available Right of Way Width (Needs Study)

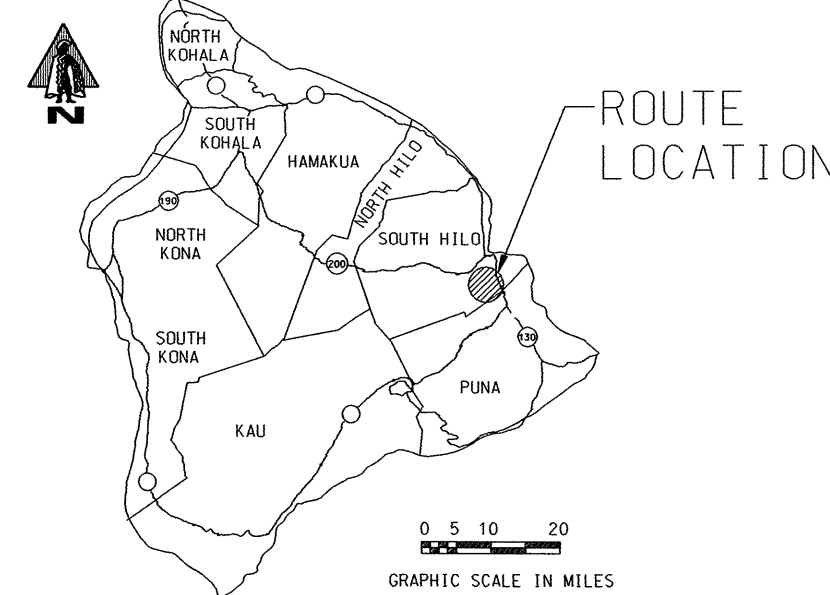
Right of Way Fence: Type - Right and Left

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

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

Project No., Type of Construction, and Year Constructed

Project No., Type of Construction, and Year Constructed



Road Diagram
* MP = Milepost Signage

SCALE: (In Miles) 4" = 1 mile

Divided Highway

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Median: Width and Type

Median Barriers:

Shoulder: Width and Type

Pavement: Width and Type

Shoulder: Width and Type

Number of Traffic Lanes

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

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

Sidewalk: Width and Type (Right and Left)

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DOD Sections

Census Tracts

Functional Classification

National Highway System (NHS)

Previous Projects: Project No., Date and Limits

HPMS

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