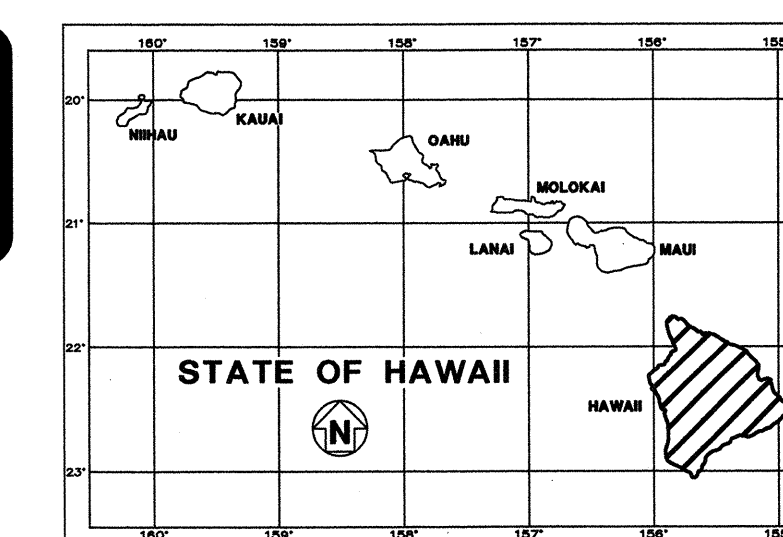


	FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	HAWAII	HAW.	BR-019-2(49)	2000	1	16



STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

HONOLULU, HAWAII

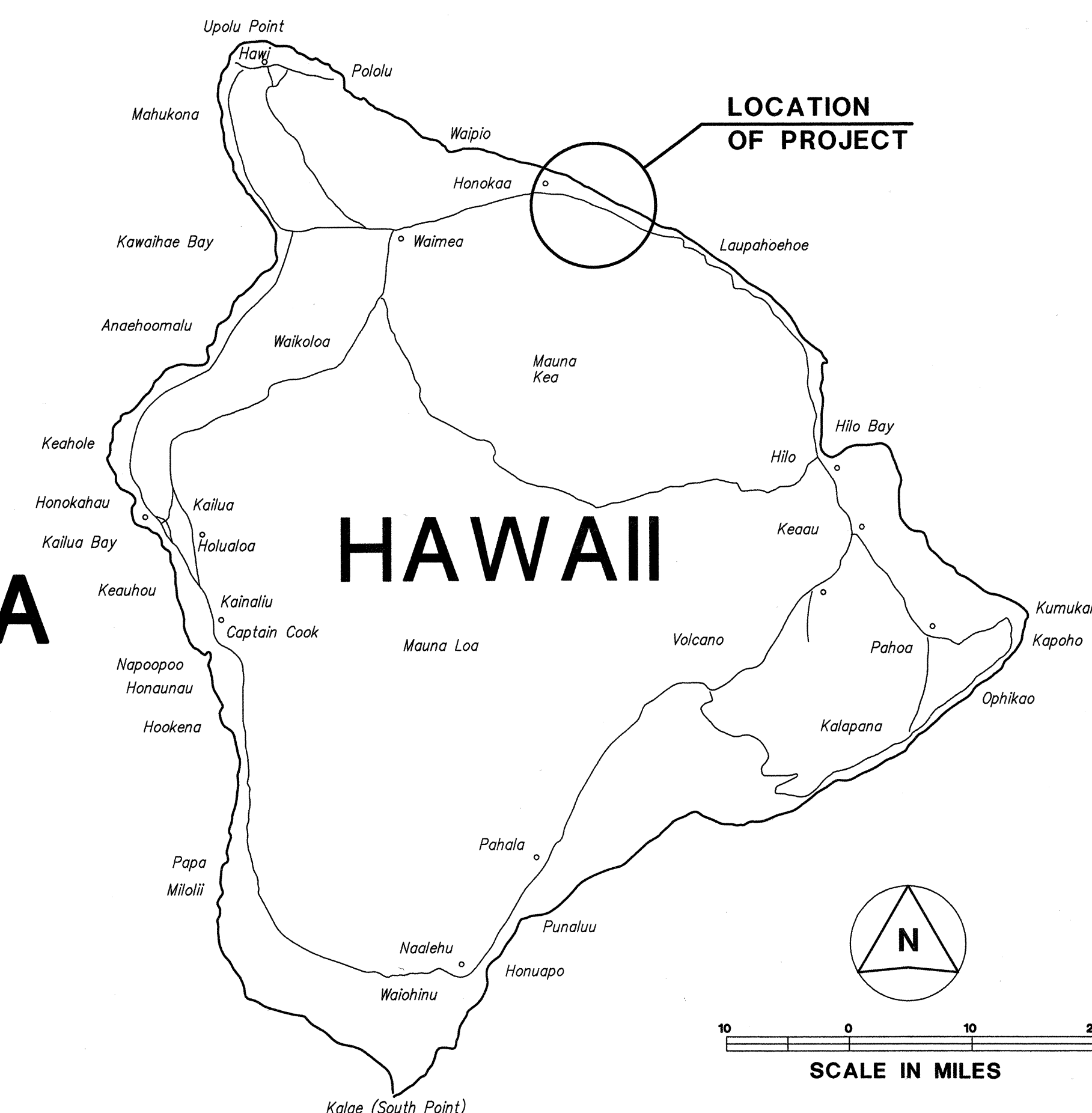
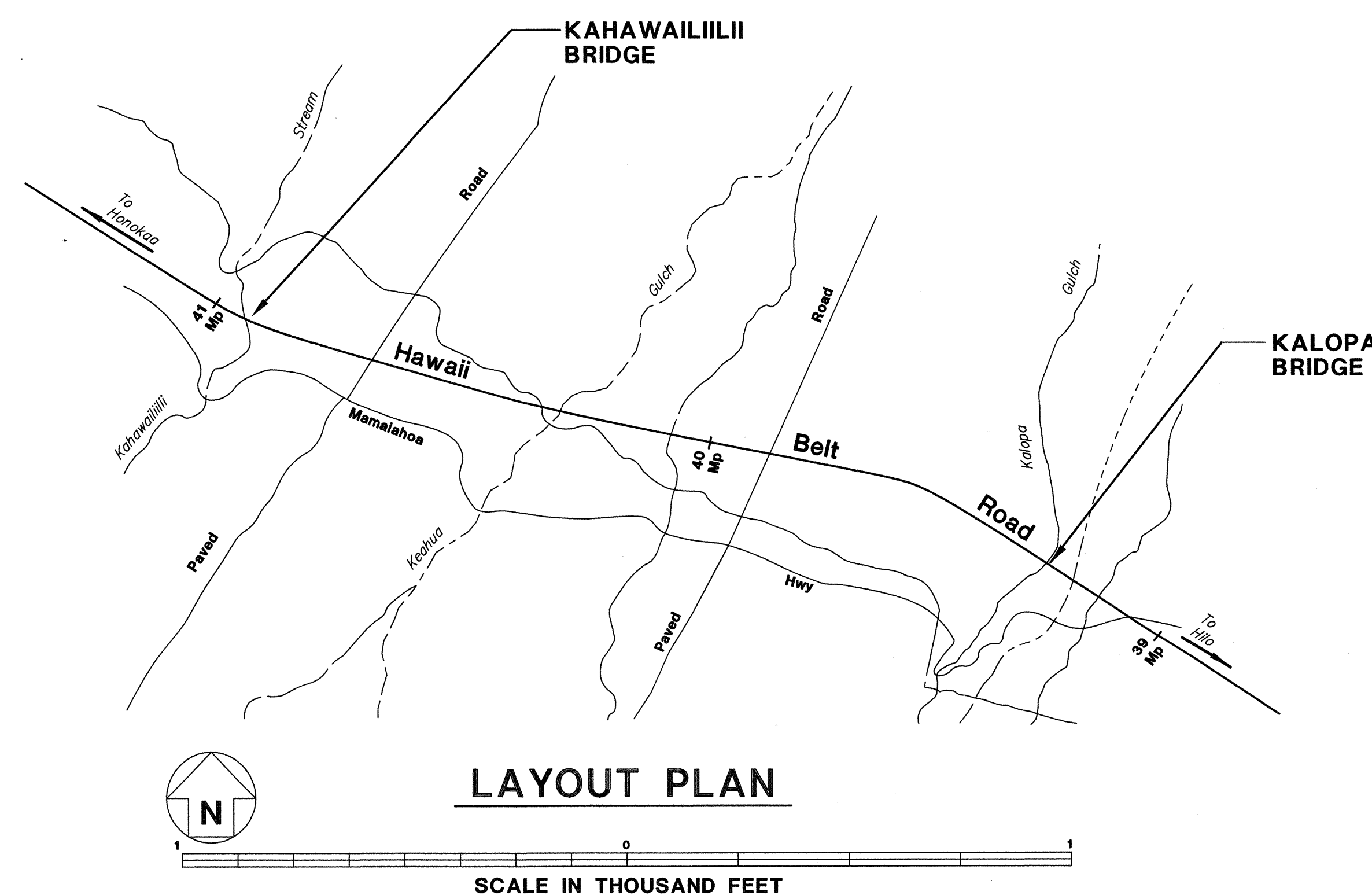
# PLANS FOR

# SEISMIC RETROFIT

# OF VARIOUS BRIDGES,

# VICINITY OF SOUTH OF HONOKAA

FEDERAL AID PROJECT NO. BR-019-2(49)  
DISTRICT OF HAMAKUA  
ISLAND OF HAWAII



BRIDGE SEISMIC RETROFIT FOR:

1. KALOPA BRIDGE ON ROUTE 19 NEAR MILE POST 39.
2. KAHAWAILIILII BRIDGE ON ROUTE 19 NEAR MILE POST 41.

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK	DRAWN BY _____
	DESIGNED BY _____
	QUANTITIES BY _____
	CHECKED BY _____

<b>KAI Hawaii, Inc</b>	<b>Ed Yoshida</b>	<b>692-7547</b>	<b>OCTOBER 1999</b>
<b>DESIGNED BY</b>	<b>P.S. &amp; E. BY</b>	<b>PHONE</b>	<b>DATE</b>

INDEX TO DRAWINGS		
SHEET NO.	DWG NO.	DESCRIPTION
1	T1	TITLE SHEET
2	C1	STANDARD PLANS SUMMARY
3	S1	GENERAL NOTES
4	S2	PIPE GUIDE RESTRAINER DETAILS
5	S3	ACCESS HATCH DETAILS
		KALOPA BRIDGE
6	S4	GENERAL PLAN LAYOUT AND
		LONGITUDINAL SECTION
7	S5	ABUTMENT NO. 1 - PLANS AND ELEVATION
8	S6	ABUTMENT NO. 1 - SECTION AND DETAILS
9	S7	ABUTMENT NO. 2 - PLANS AND ELEVATION
10	S8	ABUTMENT NO. 2 - SECTION AND DETAILS
		KAHAWAILILII BRIDGE
11	S9	GENERAL PLAN LAYOUT AND
		LONGITUDINAL SECTION
12	S10	ABUTMENT NO. 1 - PLANS AND ELEVATION
13	S11	ABUTMENT NO. 1 - SECTION AND DETAILS
14	S12	ABUTMENT NO. 2 - PLANS AND ELEVATION
15	S13	ABUTMENT NO. 2 - SECTION AND DETAILS
16	S14	ABUTMENT NO. 2 - SECTION AND DETAILS

DEPARTMENT OF TRANSPORTATION  
STATE OF HAWAII

APPROVED:

*Kayn Haganahide* 10/28/99

\_\_\_\_\_  
DIR. OF TRANSPORTATION DATE