

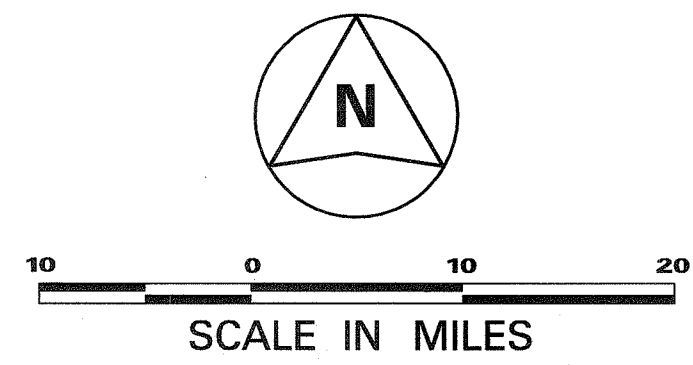
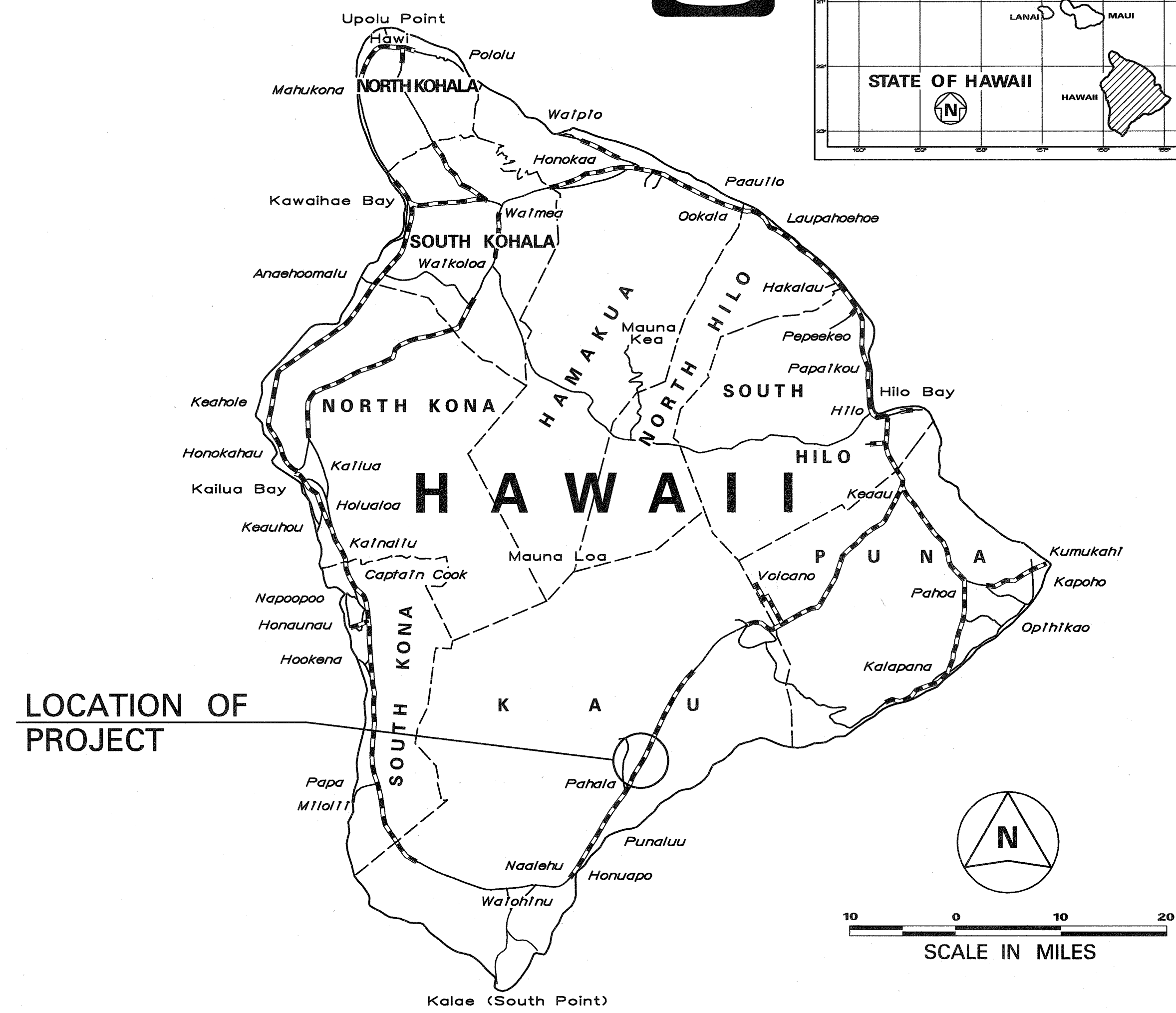
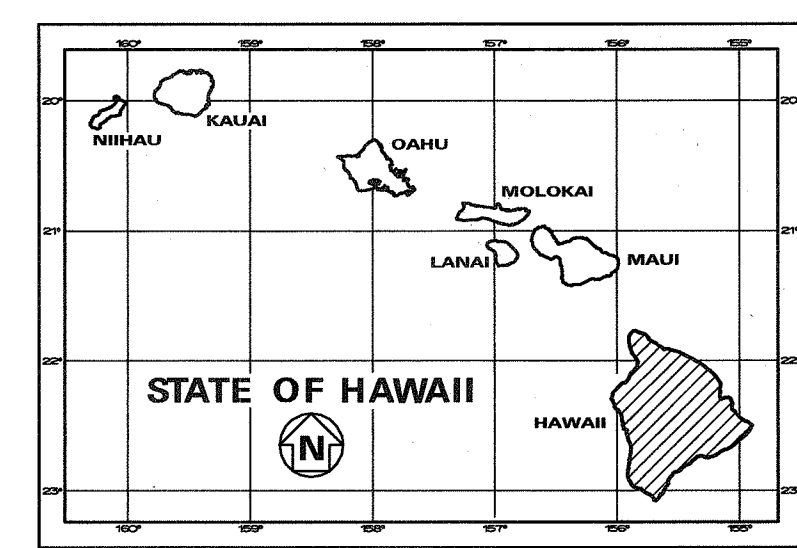
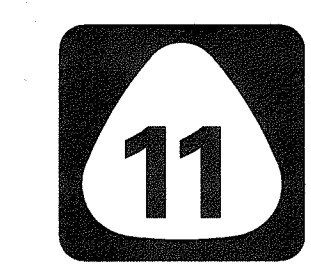
INDEX TO DRAWINGS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	STANDARD PLANS SUMMARY
3	GENERAL NOTES & LEGEND
4 - 5	WATER POLLUTION & EROSION CONTROL NOTES
6	TYPICAL SECTIONS & DETAILS
7 - 9	ROADWAY PLANS ①
10 - 59	BRIDGE PLANS ② ③
60 - 65	GEOTECHNICAL PLANS
66	FLEAT 350
67	GUARDRAIL DETAILS & NOTES
68	STRONG POST W-BEAM GUARDRAIL
69 - 70	THRIE BEAM & APPURTENANCE DETAILS
71 - 72	MODIFIED TYPE "A-1" FLARE
73 - 75	PAVEMENT MARKING, SIGNING & STRIPING PLANS, & SUMMARY
76 - 77	BMPs

Plan Sht. Nos. ① 9S-1 thru 9S-3; ② 17S-1 and 17S-2;
③ 48S-1 and 48S-2 are Supplementary Sheets to this project.
TOTAL SHEET COUNT after "AS-BUILT" postings:
84 sheets.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HONOLULU, HAWAII
"AS-BUILT"
PLANS FOR
MAMALAHOA HIGHWAY
EMERGENCY REPLACEMENT OF
KEAIWA STREAM BRIDGE
FEDERAL AID PROJECT NO. ER-12(1)R

DISTRICT OF KA'U
ISLAND OF HAWAII

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-12(1)R	2001	1	77



PROJECT LOCATION
KEAIWA STREAM
BRIDGE
M.P. 50.35

Paauau
Stream
Bridge
M.P. 51.32

Hionamoa
Stream
Bridge
M.P. 52.63

Moaula
Stream
Bridge
M.P. 52.72

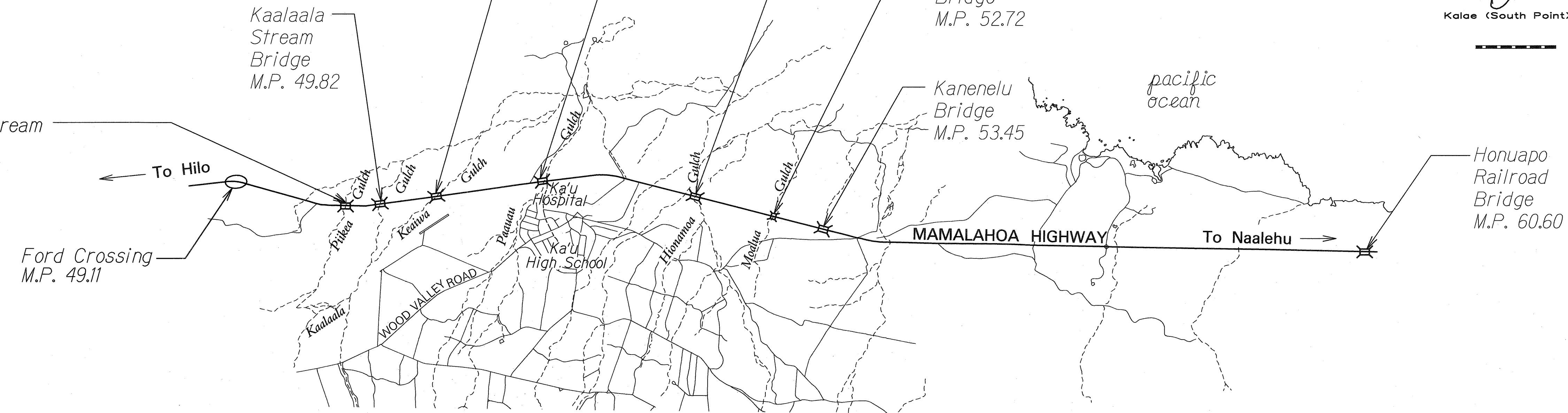
Kananelu
Bridge
M.P. 53.45

Honuapo
Railroad
Bridge
M.P. 60.60

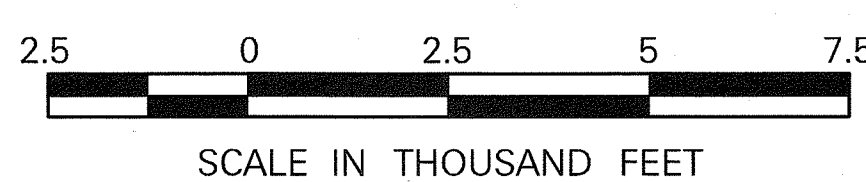
Piikea Stream
Bridge
M.P. 49.51

Ford Crossing
M.P. 49.11

Kaalaala
Stream
Bridge
M.P. 49.82



LOCATION PLAN



FEDERAL AID PROJECTS PREVIOUSLY CONSTRUCTED OR UNDER CONSTRUCTION

KEAIWA STREAM BRIDGE MILE POST 50.35

DESIGN DESIGNATION

ADT (2000).....	1,900
ADT (2010).....	2,120
DHV	200
D	60/40
T DES	2.5%
T 24	6.0%
V	55 M.P.H.

CHANGES MADE DURING CONSTRUCTION HAVE BEEN INCORPORATED ON THESE PLANS EXCEPT CHANGES IN THE ORIGINAL THEORETICAL QUANTITIES. FOR ACTUAL QUANTITIES, REFER TO PROJECT LEADER AND/OR CHANGELIST BOOK.
4/6/12
RESIDENT ENGINEER

DEPARTMENT OF TRANSPORTATION STATE OF HAWAII	
APPROVED:	1-30-01
DIR. OF TRANSPORTATION	DATE

WESLEY R. SEGAWA
& ASSOCIATES, INC.
DESIGNED BY
K. TATSUGUCHI
P.S. & E. BY
692-7578
PHONE
JAN. 2001
DATE