

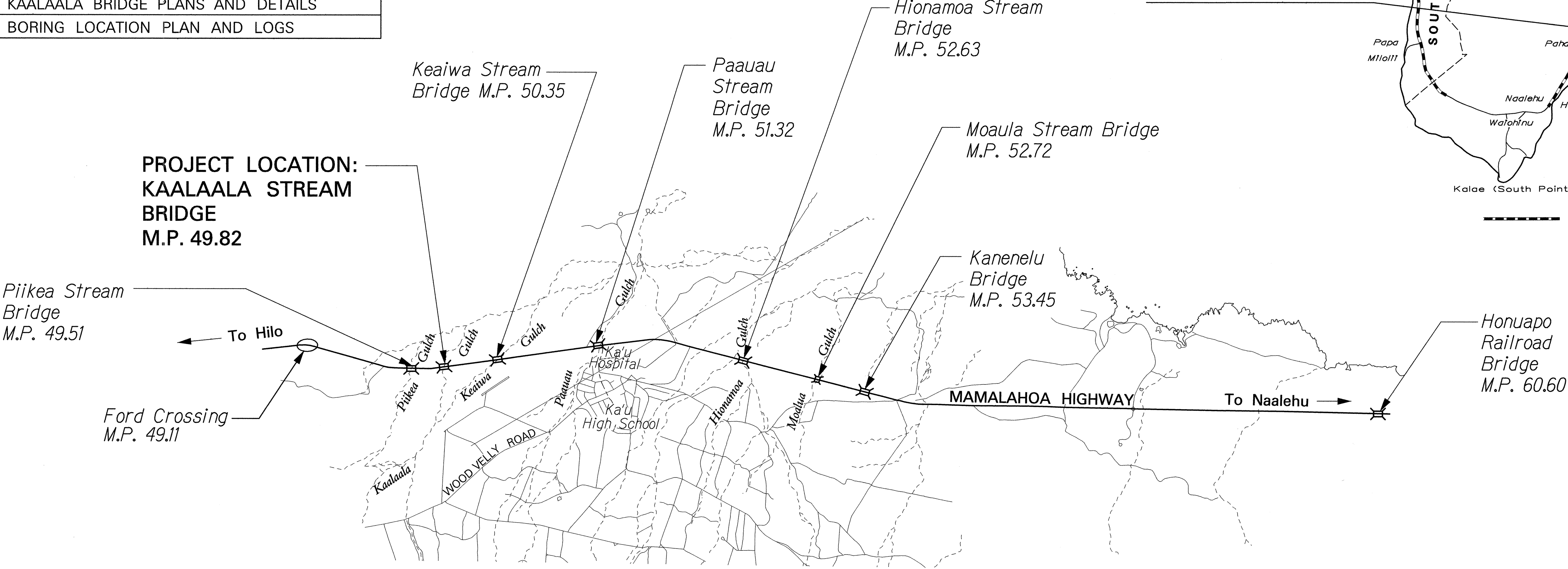
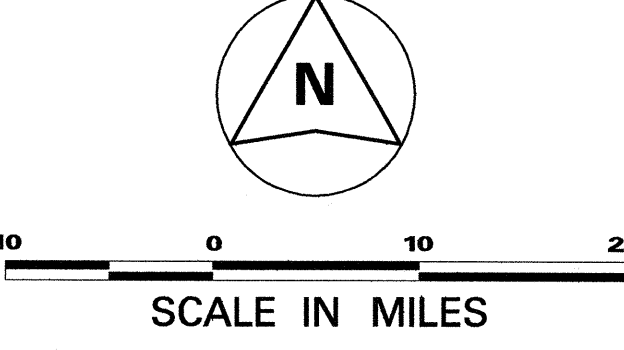
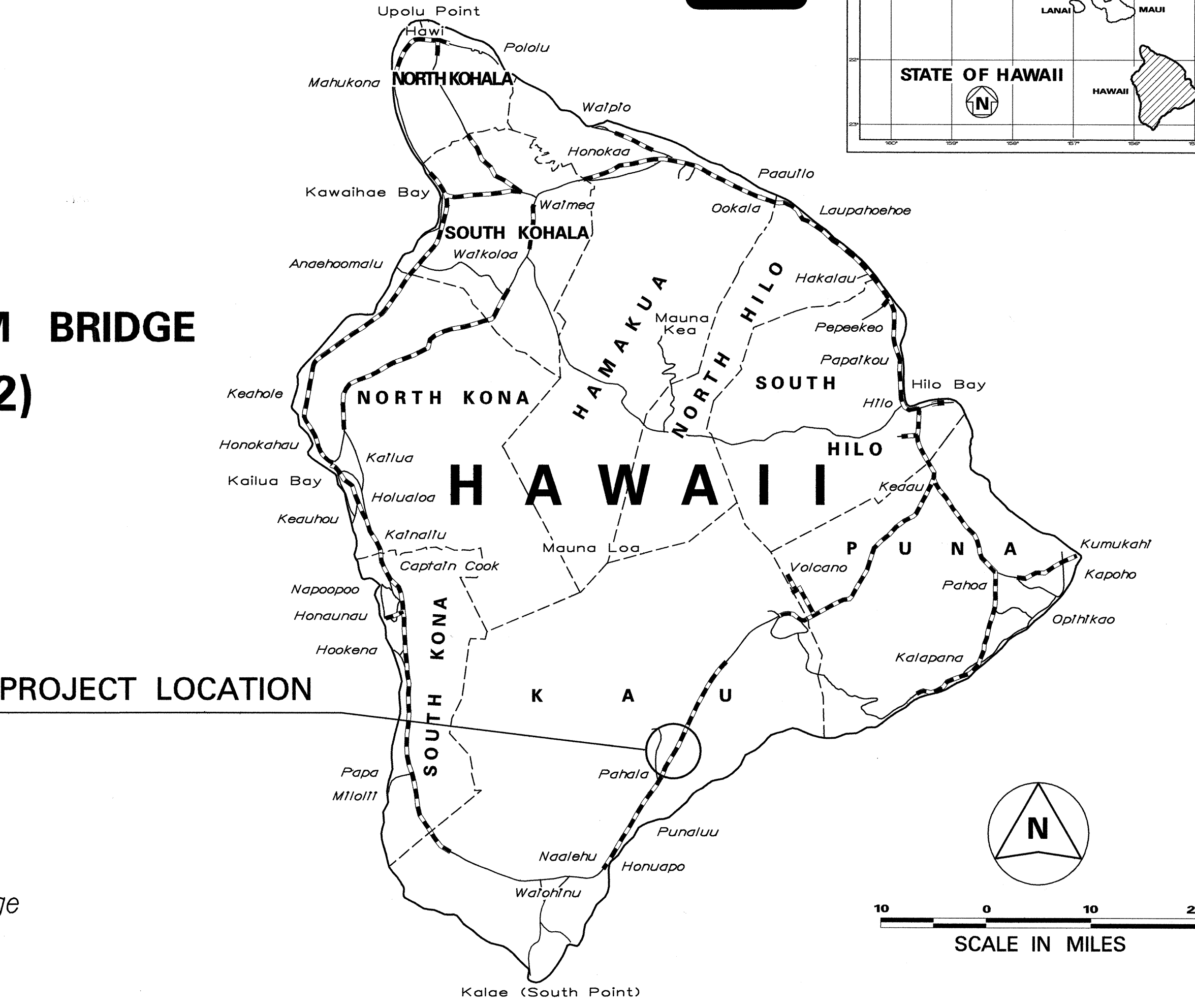
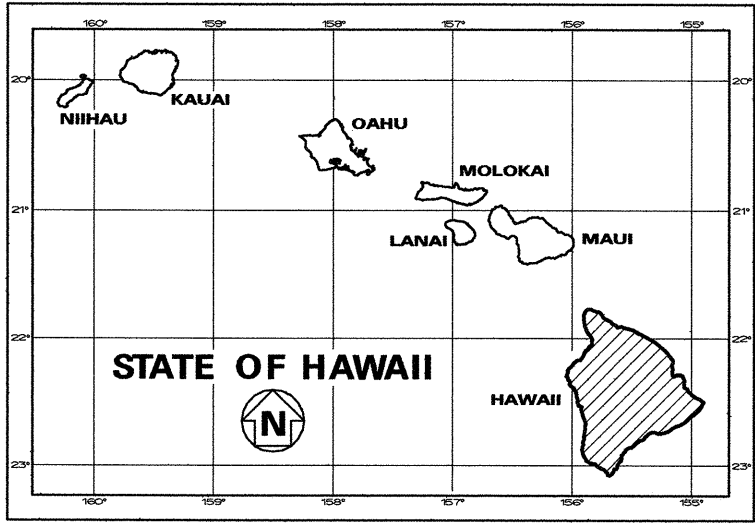
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HONOLULU, HAWAII

PLANS FOR
MAMALAHOA HIGHWAY
EMERGENCY REPLACEMENT OF KAALAALA STREAM BRIDGE
FEDERAL AID PROJECT NO. ER-12(2)

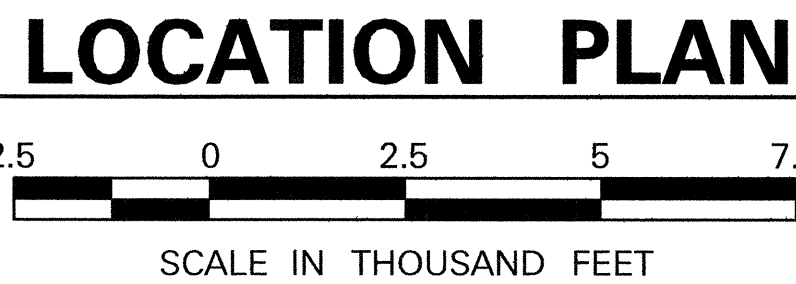
DISTRICT OF KAU
ISLAND OF HAWAII

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-12(2)	2001	95	145



----- FEDERAL AID PROJECTS PREVIOUSLY CONSTRUCTED OR UNDER CONSTRUCTION
KAALAALA STREAM BRIDGE MILE POST 49.82

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.



DESIGNED BY
R. HIRONAKA
P. S. & E. BY
692-7575
MAR., 2001
DATE
PHONE

DESIGNED BY
PARSONS BRINCKERHOFF
QUADE & DOUGLAS, INC.
May 2001