DRAFT INTERIM SURVEY REPORT FOR

FLOOD CONTROL AND ALLIED PURPOSES WAILUPE STREAM, ISLAND OF OAHU, HAWAII

PERTINENT DATA

HYDROLOGIC AND HYDRAULIC DATA	HYDROI	OGTC AND	HYDRAIIT.	TC DATA
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Interest and Amortization Average Annual Maintenance

BENEFIT-COST RATIO

Total Average Annual Charges

HYDROLOGIC AND HYDRAULIC DATA		
Drainage Area	3.25 square miles	
Standard Project Flood Discharge Design Data	10,700 cfs at Kalanianaole Highway (existing conditions)	
Discharge at Kalanianaole Highway Velocities Minimum Freeboard Total Length of Channelization TYPICAL CHANNEL SECTIONS	11,700 cfs (project conditions) 28 to 57 fps 2 feet 6,835 feet on Wailupe Stream 100 feet on Kului Tributary	
Rectangular Section Bottom Width Type of Lining	Varies from 20 to 45 feet (12 feet on Kului Tributary) Concrete	
Trapezoidal Section Bottom Width Side Slope Type of Lining	50 feet 1V on 3H Unlined and riprap	
PROJECT BENEFITS		
Total Average Annual Benefits Based on a 6-5/8 Percent Interest Rate and a 100-Year Project Life PROJECT COSTS	\$962,000	
Total Federal First Cost Total Non-Federal First Cost	\$9,820,000	
Total Project First Cost AVERAGE ANNUAL CHARGES	\$10,700,000	
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\$710,000

\$735,000

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25,000

