

AHUKINI POINT TO LYDGATE PARK BIKE AND PEDESTRIAN PATH

DRAFT ENVIRONMENTAL ASSESSMENT

TABLE OF CONTENTS

1.0	INTRODUCTION	1-1
1.1	Proposing Agency and Action	1-1
1.1.1	Proposing Agency	
1.1.2	Proposed Action on Project	
1.2	Purpose of the Draft Environmental Assessment	1-1
1.3	Steps in the Environmental Review and Implementation Process	1-2
1.4	Permits and Approvals Required or Potentially Required	1-3
1.5	Coordinating Agencies	1-4
1.5.1	Federal	
1.5.2	State	
1.5.3	County	
1.6	Project Summary	1-6
1.6.1	Project Name	
1.6.2	Applicant	
1.6.3	Approving Agency	
1.6.4	Anticipated Determination	
1.6.5	Land Use Classifications	
1.6.5.1	State Designation	
1.6.5.2	County General	
1.6.5.3	Development Plans	
1.6.5.4	Zoning	
1.6.6	Special Designations	
1.6.6.1	Special Management Area	
1.6.6.2	Shoreline Setback	
2.0	PRE-ASSESSMENT CONSULTATIONS	2-1
2.1	Property Ownership Issues Consultations	2-1
2.2	Archaeology Related Consultations	2-2
2.3	Federal Highways Related Consultations	2-2
2.4	Historical Issues Consultations	2-2
2.5	Surveying & Certified Shoreline Survey Related Consultations	2-3

2.6	Native Hawaiian Affairs Related Consultations	2-3
2.7	Access to Native Hawai'ian Fishing Grounds Related Consultations	2-4
2.8	Wetlands and Drainage Related Consultations	2-4
2.9	Endangered Marine Fauna Related Consultations	2-4
2.10	Endangered Plant and Flora Related Consultations	2-5
2.11	Coastal Erosion Related Consultations	2-5
2.12	County Police and Security Issues	2-5
2.13	County Fire and Emergency Service Issues	2-5
2.14	Consultation Meeting Minutes	2-6
3.0	GENERAL DESCRIPTON OF PROPOSED ACTION	3-1
3.1	Technical Characteristics	3-1
3.2	Economic Characteristics	3-61
3.2.1	Cost Estimate of Probable Construction and Land Acquisition Cost	
3.3	Social Characteristics	3-64
3.4	Environmental Characteristics	3-64
3.5	Time Frame	3-65
3.6	Funding & Source	3-65
4.0	AFFECTED ENVIRONMENT	4-1
4.1	Property Description	4-1
4.2	Geological Characteristics	4-1
4.2.1	Geology and Soils	
4.2.2	Topography	
4.2.3	Climate	
4.2.4	Air Quality	
4.2.5	Coastal Resources and Processes	
4.2.6	Hydrology and Water Quality	
4.2.7	Natural Hazards	
4.2.8	Noise	
4.2.9	Hazardous Materials	
4.3	Biological Environment	4-18
4.3.1	Significant Habitats	
4.3.2	Flora	
4.3.3	Terrestrial Fauna	

4.3.4	Marine Fauna	
4.3.5	Impacts	
4.3.6	Mitigation Measures	
4.4	Socio-Economic Environment	4-27
4.4.1	Historical, Cultural, Archaeological, Native Hawaiian Rights	
4.4.2	Mitigation Measures	
4.5	Public Infrastructure and Facilities	4-32
4.5.1	Vehicular Access	
4.5.2	Water	
4.5.3	Wastewater	
4.5.4	Power & Communications	
4.5.5	Schools	
4.5.6	Parks & Recreation Facilities	
4.6	Public Health and Safety	4-32
4.6.1	Police Services.	
4.6.2	Fire & Emergency Medical Services	
5.0	DESCRIPTION OF AFFECTED ENVIRONMENT	5-1
5.1	Project Location Map	5-1
5.2	Tax Maps	5-2
5.3	County Zoning Map and State Zoning Map	5-12
5.4	FEMA FIRM Maps	5-16
6.0	SUMMARY OF MAJOR IMPACTS	6-1
6.1	Short-Term Impacts	6-1
6.1.1	Noise	
6.1.2	Air	
6.1.3	Energy, Mineral Resources	
6.1.4	Construction, Utilities	
6.1.5	Underground Storage Tanks	
6.1.6	Hazardous Waste Sites	
6.1.7	Construction	
6.1.8	Traffic	
6.1.9	Employment	
6.2	Long-Term Impacts	6-1
6.2.1	Land Use Changes	
6.2.2	Community Cohesion	
6.2.3	Re-location Potential	
6.2.4	Churches and Institutions	
6.2.5	Controversy Potential	
6.2.6	Economic	
6.2.7	Section 4(f)	
6.2.8	Historical Sites	
6.2.9	Archaeological Sites	
6.2.10	Wetlands	

6.2.11	Water Quality	
6.2.12	Wild/Scenic Rivers	
6.2.13	Farmlands	
6.2.14	Endangered/Threatened Species	
6.2.15	Floodplains	
6.2.16	Traffic	
6.2.17	Visual	
7.0	ALTERNATIVES TO THE PROPOSED ACTION	7-1
7.1	No Action Alternative	7-1
7.2	Alternative Development Options	7-1
7.3	Community Input	7-1
8.0	EXPECTED DETERMINATION	8-1
8.1	Finding of No Significant Impact (FONSI)	8-1
8.2	Finding/Significant Criteria and Reasons	8-1
9.0	REFERENCES	9-1
10.0	PUBLIC MEETING ADVERTISEMENT INFORMATION	10-1
10.1	Public Meeting One	10-1
10.2	Public Meeting Two	10-9
11.0	NEWSPAPER ARTICLES & CORRESPONDENCE	11-1
11.1	Public Pre-Assessment Comment Letters	11-1
APPENDIX A		
MEETING MEMOS OF CONSULTATIONS		A-1
APPENDIX B		
REPORTS		B-1
A-1 Archaeological Condition Report		
A-2 Preliminary Geotechnical Report		
A-3 Geologic Status of the Shoreline Report		
A-4 Structural Report		