Honoapi'ilani Highway Improvements Project West Maui: Ukumehame to Launiupoko

Final Environmental Impact Statement

Submitted Pursuant to Chapter 343, Hawaii Revised Statutes (HRS)



Hawaii Department of Transportation (HDOT)

September 2025



Honoapi'ilani Highway Improvements Project, West Maui: Ukumehame to Launiupoko <u>Final</u> Environmental Impact Statement

Chapter 343, Hawaii Revised Statutes (HRS)

Submitted by:

Hawai'i Department of Transportation (HDOT)

In cooperation with:

U.S. Department of Transportation, Federal Highway Administration (FHWA)

National Marine Fisheries Service

U.S. Army Corps of Engineers

U.S. Environmental Protection Agency

U.S. Fish and Wildlife Service

Hawaii Department of Lands and Natural Resources

State Historic Preservation Division

Maui County Department of Planning and Permitting

Maui Planning Department of Parks and Recreation

APPROVALS

EN LX	09/12/2025
Ed Sniffen, Director	Date
Hawai'i Department of Transportation	

The following people may be contacted for additional information concerning this document:

Richelle Takara
Division Administrator FHWA, Hawai'i Division
300 Ala Moana Boulevard, Room 3-229
Box 50206
Honolulu, HI 96850
(808) 541-2700
Richelle.Takara@dot.gov

Ken Tatsuguchi, PE HDOT Highways Division – Planning Branch 869 Punchbowl Street, Room 301 Honolulu, HI 96813 (808) 587-1830 ken.tatsuguchi@hawaii.gov



This Final Environmental Impact Statement (Final EIS) and Final Section 4(f) Determination have been prepared for the Honoapi'ilani Highway Improvements Project (the Project) in West Maui, Hawai'i. The Project's primary purpose is to provide a reliable transportation facility in West Maui and improve Honoapi'ilani Highway's resilience by reducing its vulnerability to coastal hazards. The Preferred Alternative identified in the Draft EIS was based on the assessment of the No Build Alternative and four Build Alternatives within two distinct segments in Olowalu and Ukumehame. The potential effects of these alternatives on the natural and human environment resulted in the identification of the Preferred Alternative as a combination of Build Alternative 2 in Olowalu and Build Alternative 1 in Ukumehame along with additional refinements identified in this Final EIS. As presented in this Final EIS, HDOT has established that the Preferred Alternative is the Selected Alternative for the Project which is reflected in this Final EIS.

UPC: 111427 HDOT Project No.: RAEM-030-1(59) FHWA Project No.: 0301059 FHWA-HI-EIS-23-01-D



FOREWORD

The Hawai'i Department of Transportation (HDOT) has completed this Final Environmental Impact Statement (Final EIS) for the Honoapi'ilani Highway Improvements Project (the Project). The Project's Draft EIS was released on December 20, 2024, starting a public review period that extended to February 24, 2025. Two public hearings were held: the first on January 23, 2025, which was an inperson hearing, and the second on January 28, 2025, which was a virtual public hearing. There were a variety of methods available for individuals to submit comments on the Draft EIS: via email, via online webform, via physical comment form, and verbally at the public hearings. All substantive comments received on the Draft EIS have been summarized and responded to in this Final EIS.

In the Draft EIS, FHWA and HDOT identified the Preferred Alternative. In this Final EIS, HDOT has selected the Preferred Alternative as the "Selected Alternative" for the Project which will be carried forward into the design build process. This determination is based on the impact assessment as presented in the Final EIS including consideration of public input and continued consultation with cooperating and participating agencies. Overall, there were few substantive changes to the impact assessment as presented in the Draft EIS. The entirety of the Draft EIS is available on the project website for the reader as a companion to this Final EIS. For the Final EIS, new or revised text is double-underlined while fully deleted text is shown with a strike-through.

Substantive changes evaluated in this Final EIS are primarily based on design refinements to the Selected Alternative that include the following:

- Adding a shared-use pathway along the makai edge of the right-of-way
- Adding a second signalized intersection at Ehehene Street in Ukumehame
- Using a bridge crossing of the intermittent Awalua Stream rather than a culvert
- Modest shifts to the location or configuration of the alignment to optimize design and to avoid and minimize disturbance of archaeological resources

This Final EIS includes supplemental assessments associated with information not presented in the Draft EIS (including based on public comments on the Draft EIS and continued coordination with consulting agencies). These additional analyses did not result in new or different adverse effects of the Preferred Alternative as defined in the Draft EIS or the Selected Alternative as defined in the Final EIS. The Final EIS also includes the documentation of the Section 106 process with an executed Programmatic Agreement; the final Section 4(f) determination of a *de minimis* effect on the Ukumehame Firing Range and potential expanded historic district; and completion of a Biological Opinion by the U.S. Fish and Wildlife Service (USFWS).



Contents

Ab	brevia	ations and Acronyms	xv
На	waiia	n Terms	xx
S.	Sum	ımary	S-1
		T IS AN EIS?	
		What are the process milestones in creating an EIS?	
		What are the key dates for this Draft EIS?	
	WHO	IS LEADING THE EIS?	
		TOTHER AGENCIES ARE INVOLVED IN THIS EIS?	
		RE IS THE PROJECT AREA?	
		IS THIS PROJECT IMPORTANT?	
	WHAT	T IS THE PURPOSE AND NEED OF THE PROJECT?	S-8
		T OPTIONS OR ALTERNATIVES WERE EVALUATED?	
		TARE THE POTENTIAL IMPACTS OF THE PROJECT AND IS THERE A SELECTED PREFERRED	
		ALTERNATIVE?111	
		How are the alternatives are evaluated?	
		What is the design-build construction process?	S-15
		What is the design-build construction process?	
		TARE THE PRELIMINARY COST ESTIMATES FOR THE SELECTED ALTERNATIVE PROJECT?	
		N WILL THE SELECTED PREFERRED ALTERNATIVE BE CONSTRUCTED?	
		HAS THE PUBLIC BEEN INVOLVED IN THE PROJECT?	
		THERE BE ADDITIONAL OPPORTUNITIES FOR PUBLIC PARTICIPATION?	S-25
	WHO	CAN I CONTACT FOR FURTHER INFORMATION OR TO SUBMIT COMMENTS ON COMPLETION OF THE FINAL EIS AND RECORD OF DECISION?	
1.	Intro	oduction, Purpose and Need	1-1
	1.1	INTRODUCTION	1-1
		1.1.1 Hawaiian Language Terminology	1-3
	1.2	PROJECT AREA LOCATION AND CONTEXT	1-4
		1.2.1 Project Area Location	1-4
		1.2.2 Project Context	1-4
	1.3	PROJECT PURPOSE	
	1.4	PROJECT NEED	1-10
	1.5	SECONDARY OBJECTIVES	1-11
		1.5.1 Provide Regional Transportation System Linkages that Support Safe Movement of People and Goods	
		1.5.2 Consistency with Regional Land Use and Transportation Plans	1-12
	1.6	ANTICIPATED PERMITS AND APPROVALS	1-12
	1.7	ENVIRONMENTAL IMPACT STATEMENT FRAMEWORK, PROCESS, AND PROJECT SCHEDULE	
	1.7	1.7.1 Environmental Impact Statement Framework	
		1.7.2 Environmental Impact Statement Process	
		1.7.3 Environmental Impact Statement Schedule	
	1.8	PROJECT CONTACT INFORMATION	
_			
2.		natives	
	2.1	INTRODUCTION	
	2.2	NO BUILD ALTERNATIVE	
	2.3	BUILD ALTERNATIVES	
		2.3.1 Design Assumptions Common to All Build Alternatives	
		2.3.2 Olowalu Ruild Alternatives	2-13



		2.3.3	Ukumehame Build Alternatives	2-24
	2.4	ALTERN	IATIVES CONSIDERED BUT NOT CARRIED FORWARD	2-32
	2.5	CONSTR	RUCTION	2-35
		2.5.1	Construction Staging	2-35
		2.5.2	Construction Means and Methods	
		2.5.3	Preliminary Cost Assessment	2-36
	2.6	CONFOR	RMITY WITH HAWAI'I STATE AND MAUI COUNTY PLANS	2-37
		2.6.1	Transportation Plans	
		2.6.2	Land Use and Development Plans	
3	ΔffΔ	cted En	vironment and Environmental Consequences	3 1-1
J.	3.1	LAND U	SE AND ZONING	3.1-1
		3.1.1	Regulatory Context	
		3.1.2	Methodology	
		3.1.3	Affected Environment	
		3.1.4	Environmental Consequences	
		3.1.5	Construction Effects	
		3.1.6	Indirect Effects	
		3.1.7	Mitigation	
		3.1.8	Build Alternatives Comparative Assessment	
	3.2		ILTURE AND FARMING	
	3.2	3.2.1	Regulatory Context	
		3.2.1	Methodology	
		3.2.1		
			Affected Environment	
		3.2.3	Environmental Consequences	
		3.2.4	Construction Effects	
		3.2.5	Indirect Effects	
		3.2.6	Mitigation	
		3.2.7	Build Alternatives Comparative Assessment	
	3.3		JNITY FACILITIES AND SERVICES	
		3.3.1	Regulatory Context	
		3.3.2	Methodology	
		3.3.3	Affected Environment	
		3.3.4	Environmental Consequences	
		3.3.5	Construction Effects	
		3.3.6	Indirect Effects	
		3.3.7	Mitigation	
		3.3.8	Build Alternatives Comparative Assessment	
	3.4	LAND A	CQUISITION, DISPLACEMENT, AND RELOCATION	
		3.4.1	Regulatory Context	
		3.4.2	Methodology	
		3.4.3	Affected Environment	3.4-5
		3.4.4	Environmental Consequences	3.4-5
		3.4.5	Construction Effects	3.4-31
		3.4.6	Indirect Effects	3.4-31
		3.4.7	Mitigation	3.4-36
		3.4.8	Build Alternatives Comparative Assessment	
	3.5	PARKLA	ANDS AND RECREATIONAL FACILITIES/BEACH ACCESS	
		3.5.1	Regulatory Context	
		3.5.2	Methodology	
		3.5.3	Affected Environment	
		3.5.4	Environmental Consequences	
		3.5.5	Construction Effects	
		3.5.6	Indirect Effects	
		3.5.7	Mitigation	
		3.5.8	Build Alternatives Comparative Assessment	
	3.6		EOLOGICAL AND ARCHITECTURAL HISTORIC PROPERTIES	
	٥.٥		_OLOGIOAL AND ANOITH LOTONAL HIGTONIC FNOFLNTILG	ل-6.د



	3.6.1	Regulatory Context	
	3.6.2	Methodology	3.6-6
	3.6.3	Affected Environment	3.6-9
	3.6.4	Environmental Consequences	3.6-19
	3.6.5	Construction Effects	
	3.6.6	Indirect Effects	
	3.6.7	Mitigation	
	3.6.8	Build Alternatives Comparative Assessment	
3.7		RESOURCES	
0	3.7.1	Regulatory Context	
	3.7.2	Methodology	
	3.7.3	Cultural, Historical, and Natural Resources in the Affected Environment	
	3.7.4	Interviews and Consultation	
	3.7.5	Effects on Cultural, Historic, and Natural Resources	
	3.7.6	Mitigation	
3.8		ID SCENIC CHARACTER	
3.0	3.8.1	Regulatory Context	
	3.8.2	Methodology	
	3.8.3	Affected Environment	
	3.8.4	Environmental Consequences	
	3.8.5	Construction Effects	
	3.8.6	Indirect Effects	
	3.8.7	Mitigation	
	3.8.8	Build Alternatives Comparative Assessment	
3.9		SOURCES, WETLANDS, AND FLOODPLAINS	
	3.9.1	Regulatory Context	
	3.9.2	Methodology	
	3.9.3	Affected Environment	
	3.9.4	Environmental Consequences	
	3.9.5	Agency Consultation	3.9-24
	3.9.6	Construction Effects	3.9-24
	3.9.7	Indirect Effects	3.9-25
	3.9.8	Mitigation	3.9-25
	3.9.9	Build Alternatives Comparative Assessment	
3.10	FLORA AN	D FAUNA, ENDANGERED SPECIES	
	3.10.1	Regulatory Context	
	3.10.2	Methodology	
	3.10.3	Affected Environment	
	3.10.4	Threatened or Endangered Species and Significant Ecological Communities	
	3.10.5	Agency Consultation	
	3.10.6	Environmental Consequences	
	3.10.7	Construction Effects	
	3.10.8	Indirect Effects	
	3.10.9	Avoidance and Minimization Measures	
	3.10.10	Build Alternatives Comparative Assessment	
2 11		, SOILS, AND NATURAL HAZARDS	
5.11	3.11.1	Regulatory Context	
	3.11.2	Methodology	
	3.11.2	Affected Environment	
	3.11.4		
	_	Environmental Consequences	
	3.11.5	Construction Effects	
	3.11.6	Indirect Effects	
	3.11.7	Mitigation	
<u>.</u>	3.11.8	Build Alternatives Comparative Assessment	
3.12		ZONE MANAGEMENT ACT, HAWAI'I SPECIAL MANAGEMENT AREAS	
	3.12.1	Regulatory Context	
	3.12.2	Methodology	3.12-4



	3.12.3	Environmental Consequences	
	3.12.4	Coastal Zone Management Federal Consistency Review	3.12-11
	3.12.5	Construction Effects	
	3.12.6	Indirect Effects	3.12-17
	3.12.7	Build Alternatives Comparative Assessment	3.12-18
3.13	CLIMATE (CHANGE AND SEA LEVEL RISE	
	3.13.1	Regulatory Context	3.13-1
	3.13.2	Methodology	
	3.13.3	Affected Environment	
	3.13.4	Environmental Consequences	
	3.13.5	Construction Effects	
	3.13.6	Indirect Effects	
	3.13.7	Mitigation	
	3.13.8	Build Alternatives Comparative Assessment	
3.14		RTATION	
· ·	3.14.1	Regulatory Context	
	3.14.2	Methodology	
	3.14.3	Affected Environment	
	3.14.4	Environmental Consequences	
	3.14.5	Construction Effects	
	3.14.6	Indirect Effects	
	3.14.7	Anticipated Beneficial Effects	
	3.14.8	Build Alternatives Comparative Assessment	
2 1 5		TY AND ENERGY	
3.13	3.15.1	Regulatory Context	
	3.15.2	Methodology	
	3.15.2	Affected Environment	
	3.15.4	Environmental Consequences	
	3.15.4	Construction Effects	
	3.15.6	Indirect Effects	
	3.15.7		
	3.15.7	Mitigation Build Alternatives Comparative Assessment	
2.16	3.13.6 NOISE	build Alternatives Comparative Assessment	
3.10	3.16.1	Regulatory Context	
	3.16.2	Methodology	
	3.16.3	Affected Environment	
	3.16.4	Environmental Consequences	
	3.16.5	Construction Effects	
	3.16.6	Indirect Effects	
	3.16.7	Mitigation	
2 4 7	3.16.8	Build Alternatives Comparative Assessment	
3.17		PUCTURE AND UTILITIES	
	3.17.1	Regulatory Context	
	3.17.2	Methodology	
	3.17.3	Affected Environment	
	3.17.4	Environmental Consequences	
	3.17.5	Construction Effects	
	3.17.6	Indirect Effects	
	3.17.7	Mitigation	
0.40	3.17.8	Build Alternatives Comparison Assessment	
3.18		US MATERIALS	
	3.18.1	Regulatory Context	
	3.18.2	Methodology	
	3.18.3	Affected Environment	
	3.18.4	Reverse Directories	
	3.18.5	Environmental Consequences	
	3.18.6	Construction Effects	3.18-9



		3.18.7 Indirect Effects	3.18-10
		3.18.8 Mitigation	3.18-10
		3.18.9 Build Alternatives Comparative Assessment	3.18-10
	3.19	ENVIRONMENTAL JUSTICE AND SOCIOECONOMIC CONDITIONS	3.19-1
		3.19.1 Regulatory Context	3.19-1
		3.19.2 Methodology	
		3.19.3 Affected Environment and Demographic Profile	3.19-6
		3.19.4 Environmental Consequences and Potential Disproportionately High and Advers	se
		Effects	3.19-16
	3.20	CUMULATIVE EFFECTS	3.20-1
		3.20.1 Regulatory Context	
		3.20.2 Independent Projects Occurring within a Similar Timeframe or Geography	3.20-1
		3.20.3 Cumulative Effects	3.20-4
		3.20.4 Cumulative Effects Assessment	3.20-4
1	Soot	ion 4(f) Evaluation	11
4.			
	4.1	REGULATORY CONTEXT DESCRIPTION OF THE PROJECT	
	4.2		
	4.3	ARCHAEOLOGICAL AND ARCHITECTURAL HISTORIC PROPERTIES	
		4.3.1 Archaeological Historic Properties	
	4.4	4.3.2 Architectural Historic Properties	
	4.4	PUBLICLY OWNED WILDLIFE AND WATERFOWL REFUGES, PARKS, AND RECREATION AREA	
		4.4.1 Wildlife and Waterfowl Refuges	
	4 -	4.4.2 Publicly Owned Parks and Recreational Facilities	
	4.5	MULTIPLE-USE PROPERTIES	
	4.6	SECTION 4(F) APPLICABILITY AND USE SUMMARY	
	4.7	PUBLIC INVOLVEMENT AND SECTION 4(f) COORDINATIONOFFICIAL WITH JURISDICTION CONCURRENCE AND DE MINIMIS DETERMINATION	4-30
	4.8		
		4.8.1 Expanded Olowalu Plantation Historic District	
5.	Sele	cted Alternative	5-1
	5.1	PRELIMINARY IDENTIFICATION OF DRAFT EIS PREFERRED ALTERNATIVE	5-1
		5.1.1 Draft EIS Refinements to the Preferred Alternative	
		5.1.2 Preliminary Cost Estimate for the Preferred Alternative	5-10
	5.2	DRAFT EIS EVALUATION SUPPORTING SELECTION OF PREFERRED ALTERNATIVE	
		5.2.1 Olowalu	5-10
		5.2.2 Ukumehame	
		5.2.3 Summary Assessment	5-24
	5.3	REFINEMENTS TO THE SELECTED ALTERNATIVE FOR THE FINAL EIS	5-25
		5.3.1 Full Corridor Refinements	5-25
		5.3.2 Refinements in Olowalu	5-30
		5.3.3 Ukumehame	5-32
		5.3.4 Final EIS Revised Cost Estimate for the Preferred Alternative	5-32
	5.4	ENVIRONMENTAL EVALUATION OF FINAL EIS REFINEMENTS	5-35
		5.4.1 Land Use	5-35
		5.4.2 Land Acquisition, Displacement, and Relocation	5-35
		5.4.3 Archeological and Architectural Historic Resources	5-40
		5.4.4 Water Resources, Wetlands, and Floodplains	
		5.4.5 Flora and Fauna, Endangered Species	
		5.4.6 Transportation	
		5.4.7 Noise	5-43
	5.5	ENVIRONMENTAL COMMITMENTS AND MITIGATION FOR THE PREFERRED ALTERNATIVE	5-47
e	lrro.	arcible/Shart Torm Effects	6 4
6.	6.1	ersible/Short-Term Effects INTRODUCTION	
	6.2	REGULATORY CONTEXT	
	0.2	NEGUE/110N1 00N1E/1	



	6.3	SHORT-T	ERM USES AND LONG-TERM PRODUCTIVITY	6-1
		6.3.1	Flora and Fauna	6-2
		6.3.2	Air Quality	
		6.3.3	Noise	6-3
		6.3.4	Traffic	
		6.3.5	Health, Safety, and Well-Being	6-4
	6.4		TO WHICH THE PROJECT FORECLOSES FUTURE OPTIONS	
	6.5	POTENTI	AL IRREVERSIBLE AND IRRETRIEVABLE COMMITMENTS OF RESOURCES	6-5
7.	Unre		ssues and Unresolvable/Unavoidable Effects	
	7.1		LVED ISSUES	
	7.2		LVABLE/UNAVOIDABLE EFFECTS	
		7.2.1	Land Acquisition	
		7.2.2	Archaeological and Historic Resources	
		7.2.3	Water Resources	
		7.2.4	Flora and Fauna	7-5
8.		ic Involv	ement and Agency Coordination	8-1
	8.1		NVOLVEMENT TOOLS AND EFFORTS	
		8.1.1	Pre-NOI Scoping	
		8.1.2	Project Website	
		8.1.3	Coordination Plan and Stakeholder Database	
		8.1.4	Environmental Impact Statement Scoping	
		8.1.5	Public Comment Period on the Draft Environmental Impact Statement	
		8.1.6	Ongoing Outreach and Public Coordination	
	8.2		PARTICIPATION	
		8.2.1	Cooperating Agencies	
		8.2.2	Participating Agencies	
		8.2.3	Agency Meetings and Coordination	8-9
9.	Resp		Comments	
	9.1		IS COMMENT PERIOD	
	9.2		NTS AND RESPONSES	
		9.2.1	List of Speakers	
		9.2.2	Comments and Responses by Draft EIS Chapter	9-4
10	List (of Prepa	rers	10-1
	10.1	AGENCIE	··S	
		10.1.1	State of Hawai'i, Department of Transportation, Highways Division	10-1
		10.1.2	Federal Highway Administration	10-1
	10.2	FIRMS		10-2
		10.2.1	WSP USA Inc	-
		10.2.2	ʿĀina Archaeology, Inc	
		10.2.3	HT HARVEY & Associates	
		10.2.4	Sea Engineering, Inc.	10-4



APPENDICES

APPENDIX 2: GOVERNMENT PLANS

APPENDIX 3.6: ARCHAEOLOGICAL AND ARCHITECTURAL HISTORIC PROPERTIES – SUPPLEMENTAL INFORMATION

APPENDIX 3.7: CULTURAL RESOURCES AND PRACTICES - SUPPLEMENTAL INFORMATION

APPENDIX 3.9: WATER RESOURCES, WETLANDS, AND FLOODPLAINS - SUPPLEMENTAL INFORMATION

APPENDIX 3.10: FLORA AND FAUNA, ENDANGERED SPECIES - SUPPLEMENTAL INFORMATION AND CORRESPONDENCE

APPENDIX 3.13: CLIMATE CHANGE AND SEA LEVEL RISE - SUPPLEMENTAL INFORMATION

APPENDIX 3.14: TRANSPORTATION - SUPPLEMENTAL INFORMATION

APPENDIX 3.15: AIR QUALITY AND ENERGY - SUPPLEMENTAL INFORMATION

APPENDIX 3.16: NOISE - SUPPLEMENTAL INFORMATION

APPENDIX 3.18: HAZARDOUS MATERIALS - SUPPLEMENTAL INFORMATION

APPENDIX 4: SECTION 4(F) - SUPPLEMENTAL INFORMATION

APPENDIX 5: EVALUATION OF VIADUCT AND EMBANKMENT FOR UKUMEHAME PREFERRED

ALTERNATIVE ALIGNMENT

APPENDIX 8: SCOPING REPORT

September 2025 vii



TABLES

TABLE S-1.	Anticipated Permits and Approvals and Cooperating Agencies	S-4
TABLE S-2.	Environmental Effects in Olowalu	
TABLE S-3.	Environmental Effects in Ukumehame	
TABLE S-4.	Evaluation of No Build Alternative and Build Alternatives in Olowalu	
TABLE S-5.	Evaluation of No Build Alternative and Build Alternatives in Ukumehame	
TABLE S-6.	Preliminary Cost Estimate (Build Alternatives)	S-24
TABLE S-7.	Preliminary Cost Estimate for the Preferred Alternative	S-24
TABLE 1-1.	Potential Permits and Approvals	
TABLE 2-1.	Alternatives Considered but Not Carried Forward	
TABLE 2-2.	Preliminary Construction Cost Estimate (Build Alternatives)	
TABLE 2-3.	The Hawai'i State Plan	2-39
TABLE 2-4.	The Hawai'i State Plan (Part III)	2-44
TABLE 3.1-1.	Summary of Land Uses in Olowalu	
TABLE 3.1-2.	Summary of Land Uses in Ukumehame	
TABLE 3.1-3.	Summary of Project Area Mapped Zoning Districts	
TABLE 3.1-4.	Comparison of No Build Alternative and the Build Alternatives in Olowalu	. 3.1-25
TABLE 3.1-5.	Comparison of the No Build Alternative and Build Alternatives in Ukumehame	. 3.1-26
TABLE 3.2-1.	No Build Alternative and Build Alternatives Comparison	
TABLE 3.4-1.	Tax Map Keys with Corresponding Co-Terminus Kuleana Parcels	
TABLE 3.4-2.	Land Acquisition Parcels by Olowalu Build Alternative	
TABLE 3.4-3.	Land Commission Awards by Olowalu Build Alternative	3.4-7
TABLE 3.4-4.	Olowalu Build Alternative 1 - Estimated Land Area for Private and Kuleana Parcels	
	with Right-of-Way Acquisition	. 3.4-10
TABLE 3.4-5.	Olowalu Build Alternative 2 - Estimated Land Area for Private and Kuleana Parcels	
	with Right-of-Way Acquisition	. 3.4-14
TABLE 3.4-6.	Olowalu Build Alternative 3 - Estimated Land Area for Private and Kuleana Parcels	
	with Right-of-Way Acquisition	. 3.4-17
TABLE 3.4-7.	Olowalu Build Alternative 4 - Estimated Land Area for Private and Kuleana Parcels	
	with Right-of-Way Acquisition	
TABLE 3.4-8.	Land Acquisition Parcels by Ukumehame Build Alternative	
TABLE 3.4-9.	Land Commission Awards by Ukumehame Build Alternative	. 3.4-23
TABLE 3.4-10.	Ukumehame Build Alternative 1 - Estimated Land Area for Private and Kuleana	
	Parcels with Right-of-Way Acquisition	. 3.4-27
TABLE 3.4-11.	Ukumehame Build Alternatives 2 and 3 - Estimated Land Area for Private and	
	Kuleana Parcels with Right-of-Way Acquisition	. 3.4-30
TABLE 3.4-12.	Ukumehame Build Alternative 4 - Estimated Land Area for Private and Kuleana	
	Parcels with Right-of-Way Acquisition	
TABLE 3.4-13.	Summary Comparison of Land Acquisition Parcels by Build Alternative in Olowalu	. 3.4-37
TABLE 3.4-14.	Summary Comparison of Land Acquisition Parcels by Build Alternative in	0.40-
TADI	Ukumehame	
TABLE 3.5-1.	Parkland and Recreational Facilities in the Project Area	
TABLE 3.6-1.	Section 106 and 6E Summary Table	
TABLE 3.6-2.	Public Outreach and Section 106 Consultation	
TABLE 3.6-3.	Previously Surveyed Archaeological Properties within Area of Potential Effects	
TABLE 3.6-4.	Field Identified Preliminary Eligible Archaeological Resources in Olowalu	
TABLE 3.6-5.	Field Identified Preliminary Eligible Archaeological Resources in Ukumehame	
TABLE 3.6-6.	Previously Surveyed Architectural Properties in Olowalu	
TABLE 3.6-7.	Field Identified Eligible and/or Contributing Architectural Resources in Olowalu	. 3.6-1/
TABLE 3.6-8.	Archaeological Resources with Potential Effects by Build Alternative - Olowalu	2 0 4 0
TADLE 2.0.0	Segment (including Launiupoko)	. 3.6-18
TABLE 3.6-9.	Archaeological Resources with Potential Effects by Build Alternative – Ukumehame	2600
TADIE 2 6 40	Segment	
TABLE 3.6-10.	Potential Adverse Effects on Architectural Resources by Build Alternative - Olowalu	
TABLE 3.6-11.	Summary of Potential Adverse Effects on Archaeological Resources	. 3.6-24

viii September 2025



TABLE 3.6-12.	Summary of Potential Adverse Effects on Architectural Resources	
TABLE 3.7-1.	Cultural Practices Mentioned by Interview Participants	
TABLE 3.8-1.	FHWA Visual Impact Assessment Process	3.8-3
TABLE 3.8-2.	Environmental Constraints	
TABLE 3.8-3.	Visual Distance Zones	
TABLE 3.8-4.	Affected Environment within the Area of Visual Effect	
TABLE 3.8-5.	Types of Neighbors	
TABLE 3.8-6.	Types of Travelers	3.8-11
TABLE 3.8-7.	Key Viewpoints by Type and Preference within the Area of Visual Effect	
TABLE 3.8-8.	Analysis Phase Elements	
TABLE 3.8-9.	Viewer Sensitivity	
TABLE 3.8-10.	Measures to Minimize Potential Visual Effects	
TABLE 3.8-11.	Project Commitments to Minimize Visual Prominence	
TABLE 3.8-12.	Project Commitments During Construction	
TABLE 3.8-13.	Mitigation Levels for Identified Adverse Effects	
TABLE 3.9-1.	Potential Permits and Approvals	
TABLE 3.9-2.	Clean Water Act Sections	
TABLE 3.9-3.	Federal Executive Orders on Water Resources	
TABLE 3.9-4.	Hawai'i State Water Resources Regulations	
TABLE 3.9-5.	Hawai'i State Water Agency and County Involvement - Water Quality	
TABLE 3.9-6.	Named Surface Waters in Project Area	
TABLE 3.9-7.	Project Area Flood Zone Designations	
TABLE 3.9-8.	Potential Construction Effects on Water Resources	
TABLE 3.9-9.	Build Alternatives Comparison - Olowalu	
TABLE 3.9-10.	Build Alternatives Comparison - Ukumehame	
TABLE 3.10-1.	Flora, Fauna, Endangered Species Regulatory Context	
TABLE 3.10-2.	Flora and Fauna Sources by Agency	
TABLE 3.10-3.	Avian Species Observed in the Project Area	
TABLE 3.10-4.	Fish Species of the Ukumehame and Olowalu Streams	
TABLE 3.10-5.	U.S. Fish and Wildlife Service Species Designations	
TABLE 3.10-6.	Listed Flora Species List	
TABLE 3.10-7.	Listed Fauna Species List	
TABLE 3.10-8.	Summary of Potential Effects to Fauna	
TABLE 3.10-9.	Potential Terrestrial Fauna Effects	
TABLE 3.10-10.	Potential Marine Fauna Effects	
TABLE 3.10-11.	Potential Construction Effects on Flora and Fauna	
TABLE 3.10-12.	Avoidance and Minimization Measures	
TABLE 3.10-13.	General Project Avoidance and Minimization Measures	
TABLE 3.10-14.	Fauna Avoidance and Minimization Measures	
TABLE 3.10-15.	General Invasive Species Best Management Practices	3.10-44
TABLE 3.10-16.	USFWS Recommended Standard Best Management Practices for Aquatic	
	Environments	
TABLE 3.10-17.	NOAA NMFS Conservation Recommendations	
TABLE 3.10-18.	FHWA-Proposed BMPs to NOAA NMFS	
TABLE 3.10-19.	Final NOAA NMFS Proposed BMPs	
TABLE 3.11-1.	Natural Hazard Regulatory Context	
TABLE 3.11-2.	Soil Associations	
TABLE 3.11-3.	Priority Risk Index Results for West Maui	
TABLE 3.11-4.	Seismic Design Category Hazard Levels	
TABLE 3.11-5.	Contributing Factors to Wildfire Intensity and Frequency in Hawai'i	
TABLE 3.11-6.	2023 Fires in and Around Project Area	
TABLE 3.11-7.	Wildfire Impact Mitigation Measures	
TABLE 3.11-8.	Build Alternatives Comparison - Olowalu	
TABLE 3.11-9.	Build Alternatives Comparison - Ukumehame	
	1 Federal Consistency Analysis	
TABLE 3.13-1.	SLR-XA Components	
TABLE 3.13-2.	Sea Level Rise Assessment Overview	3.13-8

September 2025 ix



TABLE 3.13-3.	Build Alternatives Coastal Hazard Exposure Compared to the No Build Alternative -	
	Olowalu	3.13-27
TABLE 3.13-4.	Build Alternatives Coastal Hazard Exposure Compared to the No Build Alternative -	
	Ukumehame	
TABLE 3.13-5.	Build Alternatives Max Flood Depth and Max Flood Elevation - Olowalu	
TABLE 3.13-6.	Build Alternatives Max Flood Depth and Max Flood Elevation - Ukumehame	
TABLE 3.13-7.	Comparison of Build Alternatives based on XBeach Model Results - Olowalu	
TABLE 3.13-8.	Comparison of Build Alternatives based on XBeach Model Results - Ukumehame	
TABLE 3.14-1.	Unsignalized Intersection Level of Service Definition	
TABLE 3.14-2.	Existing Year 2023 Intersection Level of Service	
TABLE 3.14-3.	Existing Crash Data First and Second Actions (2020, 2021, 2022)	3.14-18
TABLE 3.14-4.	Year 2045 No Build Alternative and Build Alternatives AM Peak-Hour LOS	
	Comparison	
TABLE 3.14-5.	2045 No Build Alternative and Build Alternatives PM Peak-Hour LOS Comparison	
TABLE 3.14-6.	Predicted Crash Frequency	
TABLE 3.15-1.	State and National Ambient Air Quality Standards	
TABLE 3.15-2.	Maui Ambient Air Monitoring Data	
TABLE 3.15-3.	Distance to the Closest Sensitive Receptor	
TABLE 3.16-1.	Average Human Ability to Perceive Changes in Noise Levels	
TABLE 3.16-2.	Noise Abatement Criteria	
TABLE 3.16-3.	Noise Measurement Data and Traffic Noise Model Validation	
TABLE 3.16-4.	Predicted Existing Worst-Hour Traffic Noise Levels	
TABLE 3.16-5.	Predicted Existing and Future Build Worst-Hour Traffic Noise Levels	3.16-17
TABLE 3.16-6.	Construction Equipment Noise Levels	3.16-22
TABLE 3.18-1.	Potential Sources of Hazardous Substances	3.18-3
TABLE 3.18-2.	Listing and Assessment of Aerial Photographs	3.18-7
TABLE 3.18-3.	EDR Identified Hazardous Waste Sites	3.18-8
TABLE 3.19-1.	Population Overview	3.19-9
TABLE 3.19-2.	Housing Overview	3.19-9
TABLE 3.19-3.	Labor Force Characteristics	3.19-10
TABLE 3.19-4.	Employment by Sector	3.19-11
TABLE 3.19-5.	Low Income Demographics (2017 to 2021)	
TABLE 3.19-6.	Minority Demographics	
TABLE 3.19-7.	Environmental Justice Effects	
TABLE 3.19-8.	Central Maui Environmental Justice Population Communities Commuting to West	
	Maui	3.19-22
TABLE 3.19-9.	Project Area Business	
TABLE 4-1.	Potential Architectural Resources in Olowalu	
TABLE 4-2.	Potential Section 4(f) Parks, Recreational, and Refuge Facilities in Olowalu	
TABLE 4-3.	Potential Section 4(f) Parks, Recreational, and Refuge Facilities in Ukumehame	
TABLE 4-4.	Potential-Multiple-Use Properties in Olowalu and Ukumehame	
TABLE 4-5.	Potential Section 4(f) Resources and Use in Olowalu	
TABLE 4-6.	Potential Section 4(f) Resources and Use in Ukumehame	
TABLE 5-1.	Preliminary Cost Estimate for the Preferred Alternative	
TABLE 5-2.	Draft EIS Evaluation of No Build Alternative and Build Alternatives in Olowalu	5-12
TABLE 5-3.	Draft EIS Summary of Effects Assessment in Olowalu	
TABLE 5-4.	Draft EIS Evaluation of the No Build Alternative and the Build Alternatives in	
	Ukumehame	5-19
TABLE 5-5.	Draft EIS Summary of Effects Assessment in Ukumehame	
TABLE 5-6.	Preliminary Construction Cost Estimate for the Draft EIS Preferred Alternative and	
	Final EIS Selected Alternative	5-32
TABLE 5-7.	Archaeological Resources with Potential Effects with the Preferred Alternative -	
	Olowalu Segment (including Launiupoko)	5-41
TABLE 5-8.	Archaeological Resources with Potential Effects with the Preferred Alternative –	
· ·	Ukumehame Segment	5-41
TABLE 5-9.	Predicted Existing and Future Build Worst-Hour Traffic Noise Levels (Leq dBA)	
TABLE 5-10.	Environmental Commitments and Mitigation Measures	

X September 2025

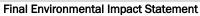




TABLE 8-1.	Early Project Coordination	8-3
TABLE 8-2.	Public Outreach Meetings	8-6
TABLE 8-3.	Cooperating Federal Agencies	
TABLE 8-4.	Cooperating State Agencies	
TABLE 8-5.	Cooperating County Agencies	
TABLE 8-6.	Participating Federal Agencies	
TABLE 8-7.	Participating State Agencies	
TABLE 8-8.		
	Participating County Agencies	
TABLE 8-9.	Agency Meetings and Key Coordination	8-11
FIGURES		
FIGURE S-1.	Vicinity Map	
FIGURE S-2.	Project Area	
FIGURE S-3.	Build Alternatives: Full Project Area	
FIGURE S-4.	Build Alternatives: Olowalu	
FIGURE S-5.	Build Alternatives: Ukumehame	
FIGURE S-6.	Preferred Alternative Selected from Draft EIS Alternatives	
FIGURE S-7.	Selected Alternative - Olowalu	S-17
FIGURE S-8.	Selected Alternative - Ukumehame	S-18
FIGURE 1-1.	Vicinity Map	1-5
FIGURE 1-2.	Project Area	1-6
FIGURE 1-3.	Sea Level Rise Exposure Areas	1-9
FIGURE 1-4.	Environmental Impact Statement Process Chart	1-17
FIGURE 2-1.	Build Alternatives	
FIGURE 2-2.	Project End Points (and Adjacent Areas) at Launiupoko and the Pali	2-4
FIGURE 2-3.	Typical Right-of-Way Section with Two or Four Lanes and Narrow Right-of-Way	
	Section	2-6
FIGURE 2-4.	Typical Short Span Bridge Elevation and Section	
FIGURE 2-5.	Typical Long Span Bridge Elevation and Section	2-10
FIGURE 2-6.	Typical Viaduct Section and Elevation	
FIGURE 2-7.	Olowalu Build Alternatives	
FIGURE 2-8.	Build Alternative 1: Olowalu	2-17
FIGURE 2-9.	Additional Traffic Features in Olowalu for Build Alternative 1	
FIGURE 2-10.	Build Alternative 2: Olowalu	2-20
FIGURE 2-11.	Build Alternative 3: Olowalu	
FIGURE 2-12.	Build Alternative 4: Olowalu	
FIGURE 2-13.	Ukumehame Build Alternatives	
FIGURE 2-14.	Build Alternative 1: Ukumehame	
FIGURE 2-15.	Build Alternatives 2 and 3: Ukumehame	
FIGURE 2-16.	Build Alternative 4: Ukumehame	
FIGURE 3.1-1.	Project Area Hawai'i State Land Use Designation	
FIGURE 3.1-2.	Project Area Land Uses: Olowalu	
FIGURE 3.1-3.	Launiupoko and North Olowalu Photos	3 1-7
FIGURE 3.1-4.	Central Olowalu Photos	
FIGURE 3.1-5.	Project Area Land Uses: Ukumehame	
FIGURE 3.1-6.	Ukumehame Photos	
FIGURE 3.1-7.	Project Area Maui County Zoning	
FIGURE 3.1-8.	Project Area Zoning: Olowalu	
FIGURE 3.1-9.	Build Alternatives and Land Uses: Olowalu	
FIGURE 3.1-10.	Build Alternatives and Land Uses: Ukumehame	
FIGURE 3.2-1.	Project Area Agricultural Lands of Importance to the State of Hawai'i	5.1-19
I Idune 3.2-1.	Classifications: Olowalu	224
FIGURE 3.2-2.	Project Area Agricultural Lands of Importance to the State of Hawai'i	
1 IUUINE 3.2-2.	Classifications: Ukumehame	275
	Olassinoations. Orallichanic	

September 2025



FIGURE 3.4-1.	Olowalu Build Alternative 1: Affected Tax Map Key	3.4-8
FIGURE 3.4-2.	Olowalu Build Alternative 1: Kuleana Parcels Affected	
FIGURE 3.4-3.	Olowalu Build Alternative 2: Affected Tax Map Key	
FIGURE 3.4-4.	Olowalu Build Alternative 2: Kuleana Parcels Affected	
FIGURE 3.4-5.	Olowalu Build Alternative 3: Affected Tax Map Key	3.4-15
FIGURE 3.4-6.	Olowalu Build Alternative 3: Kuleana Parcels Affected	
FIGURE 3.4-7.	Olowalu Build Alternative 4: Affected Tax Map Key	
FIGURE 3.4-8.	Olowalu Build Alternative 4: Kuleana Parcels Affected	
FIGURE 3.4-9.	Ukumehame Build Alternative 1: Affected Tax Map Key	
FIGURE 3.4-10.	Ukumehame Build Alternative 1: Kuleana Parcels Affected	
FIGURE 3.4-11.	Ukumehame Build Alternatives 2 and 3: Affected Tax Map	
FIGURE 3.4-12.	Ukumehame Build Alternatives 2 and 3: Kuleana Parcels Affected	
FIGURE 3.4-13.	Ukumehame Build Alternative 4: Affected Tax Map Key	
FIGURE 3.4-14.	Ukumehame Build Alternative 4: Kuleana Parcels Affected	
FIGURE 3.5-1.	Parkland and Recreational Facilities	
	Ukumehame Firing Range Active Use Areas	
FIGURE 3.5-2. FIGURE 3.5-3.	Ukumehame Firing Range and Beach Park Access	
	Area of Potential Effects	
FIGURE 3.6-1.		
FIGURE 3.6-2.	Architectural Properties: Olowalu	
FIGURE 3.6-3.	Architectural Properties: Ukumehame	3.6-15
FIGURE 3.6-4.	Contributing Resources to the Olowalu Sugar Plantation Historic District Identified	2 6 4 6
FIGURE 0.7.4	Historic Properties	
FIGURE 3.7-1	Project Area Moku and Ahupua'a	
FIGURE 3.8-1.	Visual Impact Assessment Process Flowchart	
FIGURE 3.8-2.	Bare-Earth Viewshed Visibility	
FIGURE 3.8-3.	Honoapi'ilani Highway Landscape Units and Area of Visual Effect	
FIGURE 3.8-4.	Makai Views from Olowalu Petroglyphs	
FIGURE 3.8-5.	Area of Visual Effect Key Viewpoints - Olowalu	
FIGURE 3.8-6.	Area of Visual Effect Key Viewpoints - Ukumehame	
FIGURE 3.8-7.	Key Viewpoint 1: Honoapi'ilani/Lāhainā Bypass Interchange (looking southeast)	
FIGURE 3.8-8.	Key Viewpoint 2: Awalua Beach (looking southeast)	
FIGURE 3.8-9.	Key Viewpoint 3: Awalua Cemetery in Foreground (looking east)	
FIGURE 3.8-10.	Key Viewpoint 4: Olowalu Petroglyphs (looking southwest)	
FIGURE 3.8-11.	Key Viewpoint 5: Olowalu General Store (looking northeast)	
FIGURE 3.8-12.	Key Viewpoint 6: Olowalu Beach (looking east)	3.8-16
FIGURE 3.8-13.	Key Viewpoint 7: Luawai Street Residential A (looking southeast)	3.8-17
FIGURE 3.8-14.	Key Viewpoint 7: Luawai Street Residential B (night, looking southeast)	3.8-17
FIGURE 3.8-15.	Key Viewpoint 8: Olowalu Trail (looking southeast)	3.8-18
FIGURE 3.8-16.	Key Viewpoint 8: Olowalu Trail (night, looking southeast)	3.8-18
FIGURE 3.8-17.	Key Viewpoint 9: Olowalu Lanakila Hawaiian Church (looking southeast)	3.8-19
FIGURE 3.8-18.	Key Viewpoint 10: Paeki'i Place (looking west)	3.8-19
FIGURE 3.8-19.	Key Viewpoint 11: Ukumehame Beach Park (looking northwest)	
FIGURE 3.8-20.	Key Viewpoint 12: Pāpalaua Wayside Park (looking northwest)	
FIGURE 3.8-21.	Key Viewpoint 13: 'Au'au Channel Offshore (looking northeast)	
FIGURE 3.8-22.	View from the Navigator's Chair on Kaho'olawe Island (looking at Maui)	
FIGURE 3.8-23.	Key Viewpoint 2 – Awalua Beach: Existing Conditions/No Build Alternative and	0.0
	Build Alternatives 1 through 4 (looking south)	3 8-30
FIGURE 3.8-24.	Key Viewpoint 4 – Olowalu Petroglyphs: Existing Conditions/No Build Alternative	0.0 00
11G011L 0.0 Z 1.	and Build Alternatives 1 through 4 (looking makai)	3 8-33
FIGURE 3.8-25.	Key Viewpoint 4 – Olowalu Petroglyphs: Sectional Profile of Existing Conditions/No	5.0-52
1 IdoNL 3.0-23.	Build Alternative and Build Alternatives 1 through 4	3 8-33
FIGURE 3.8-26.	Key Viewpoint 7 – Luawai Street: Existing Conditions/No Build Alternative and	5.5-50
1 IdUNL 3.0-20.	Build Alternatives 1 through 4 (looking south)	300/
FIGURE 3.8-27.	Key Viewpoint 8 – Multiuse Trail Near Push Piles 3 and 4: Existing Conditions/No	5.0-54
1 IGUNE 3.0-21.		2025
EIGUDE 2 0 00	Build Alternative and Build Alternatives 1 through 4 (looking south)	ა.၀-ა:
FIGURE 3.8-28.	Key Viewpoint 12 – Pāpalaua Wayside Park: Existing Conditions/No Build	2020
	Alternative and Build Alternatives 2 and 3 (looking west)	

xii September 2025



FIGURE 3.8-29.	Key Viewpoint 12 – Papalaua Wayside Park: Sectional Profile Relative to Build	
	Alternatives 1 through 4	3.8-37
FIGURE 3.8-30.	Key Viewpoint 13 – 'Au'au Channel: Existing Conditions/No Build Alternative and	
	Build Alternatives 1 through 4 (looking east)	3 8-39
FIGURE 3.9-1.	Preliminary Waters of the U.S. Delineation – Ukumehame Area ⁴	
FIGURE 3.9-2.	Preliminary Other Waters of the U.S. Delineation – Common Alignment and	0.0 12
11d0NL 3.3-2.	Ukumehame Area ⁴	2015
FIGURE 2.0.2		
FIGURE 3.9-3.	Preliminary Jurisdictional Other Waters of the U.S. Delineation – Olowalu ⁴	3.9-16
FIGURE 3.9-4.	Preliminary Non-jurisdictional Other Waters of the U.S. Delineation – Olowalu and	
	Launiupoko ⁴	
FIGURE 3.9-5.	FEMA Flood Insurance Rate Map Flood Zones with Base Flood Elevation	
FIGURE 3.10-1.	Biological Study Area and Data Gathering Points	3.10-5
FIGURE 3.10-2.	Habitat/Vegetation Types - Honoapi'ilani Highway	3.10-7
FIGURE 3.11-1.	Geologic Formations	3.11-5
FIGURE 3.11-2.	Soil Associations	
FIGURE 3.11-3.	Civil Defense Siren Locations	
FIGURE 3.11-4.	Seismic Design Category Hazard Levels	
FIGURE 3.11-5.	Existing Honoapi'ilani Highway Potentially Tsunami-Inundated Bridges	
FIGURE 3.11-6.	Tsunami Evacuation Zone	
	June 2023 Olowalu Fire	
FIGURE 3.11-7.		
FIGURE 3.11-8.	Maui County Wildfire Ignitions	.3.11-20
FIGURE 3.11-9.	Estimated Storm Surge Inundation for the Island of Maui	
FIGURE 3.11-10.	Bridges in Coastal Erosion Areas on Maui Island	
FIGURE 3.12-1.	Special Management Area and Shoreline Setback Map	
IGURE 3.12-2.	Alternatives and Special Management Area in Olowalu	
FIGURE 3.12-3.	Alternatives and Special Management Area in Ukumehame	3.12-9
FIGURE 3.13-1.	3.2-Foot Sea Level Rise Exposure Area (SLR-XA) in Olowalu Scenario	.3.13-13
FIGURE 3.13-2.	3.2-Foot Sea Level Rise Exposure Area (SLR-XA) in Ukumehame Scenario	.3.13-14
FIGURE 3.13-3.	6-Foot Passive Flooding Scenario in Olowalu	
FIGURE 3.13-4.	6-Foot Passive Flooding Scenario in Ukumehame	
FIGURE 3.13-5.	Climate Hazards Cascading Effects	
FIGURE 3.13-6.	XBeach-NH Modeled Maximum Flood Extent	
FIGURE 3.13-7.	XBeach-NH Modeled Maximum Flood Extent - Olowalu	
FIGURE 3.13-8.	XBeach-NH Modeled Maximum Flood Extent - Ukumehame	
FIGURE 3.14-1.	Project Area and Existing Traffic Study Area Intersections	
FIGURE 3.14-2.	Location of Existing Intersections	
FIGURE 3.14-3.	Existing Lane Configurations	
FIGURE 3.14-4.	Existing Access along Honoapi'ilani Highway	3.14-8
FIGURE 3.14-5.	Existing 2023 Honoapi'ilani Highway Traffic Volumes at Launiupoko in the Vicinity	
	of Milepost 16.5	.3.14-12
FIGURE 3.14-6.	Existing 2023 Honoapi'ilani Highway Traffic Volumes at Ukumehame in the Vicinity	
	of Milepost 11.5	.3.14-13
FIGURE 3.14-7.	Existing Peak-Hour Traffic Volumes	.3.14-15
FIGURE 3.14-8.	Build Alternatives	
FIGURE 3.14-9.	Build Alternatives – Typical Unsignalized Intersection Configuration	
FIGURE 3.14-10.	Build Alternative 1: Access from Launiupoko to Ukumehame	
FIGURE 3.14-11.	Build Alternative 2: Access from Launiupoko to Ukumehame	
FIGURE 3.14-12.	Build Alternative 3: Access from Launiupoko to Ukumehame	
FIGURE 3.14-13.	Build Alternative 4: Access from Launiupoko to Ukumehame	.3.14-21
FIGURE 3.14-14.	Olowalu Build Alternatives 1 through 4: Olowalu Recycling and Refuse	0.44.00
	Convenience Center Access	.3.14-28
FIGURE 3.14-15.	OlowaluBuild Alternative 1: Access between North Road and Luawai Street	
	Intersections	.3.14-29
FIGURE 3.14-16.	Olowalu Build Alternative 2: Access between North Road and Luawai Street	
	Intersections	.3.14-30
FIGURE 3.14-17.	Olowalu Build Alternative 3: Access between North Road and Luawai Street	
	Intersections	.3.14-31

September 2025 xiii



FIGURE 3.14-18.		24420
FIGURE 3.14-19.	Intersections	3.14-32
FIGURE 3.14-19.	'Aeko Street Intersections	2 1 / 22
FIGURE 3.14-20.	Ukumehame Build Alternatives 2 and 3: Access between Ehehene Street and	3.14-33
1 IGUNL 3.14-20.	Pōhaku 'Aeko Street Intersections	2 1 / 2 /
FIGURE 3.14-21.	Ukumehame Build Alternative 4: Access between Ehehene Street and Pōhaku	3.14-34
1 IGUNL 3.14-21.	'Aeko Street Intersections	2 1 / 2 F
FIGURE 3.14-22.	Ukumehame – Build Alternative 1: Ukumehame Firing Range Access	
FIGURE 3.14-23.	Ukumehame – Build Alternatives 2 and 3: Ukumehame Firing Range Access	
FIGURE 3.14-24.	Ukumehame – Build Alternative 4: Ukumehame Firing Range Access	
FIGURE 3.14-25.	Future Year 2045 Honoapi'ilani Highway Traffic Volumes at Launiupoko in the	3.14-30
1 IdoNL 3.14-23.	Vicinity of Milepost 16.5	3 11-43
FIGURE 3.14-26.	Future Year 2045 Honoapi'ilani Highway Traffic Volumes at Ukumehame in the	3.14-42
1 IGUNL 3.14-20.	Vicinity of Milepost 11.5	2 1 / / 3
FIGURE 3.14-27.	Future Year 2045 No Build Alternative Intersection Locations	
FIGURE 3.14-27.	Future Year 2045 Build Alternative 1 Intersection Locations	
FIGURE 3.14-29.	Future Year 2045 Build Alternative 2 Intersection Locations	
FIGURE 3.14-30.	Future Year 2045 Build Alternative 3 Intersection Locations	
FIGURE 3.14-31.	Future Year 2045 Build Alternative 4 Intersection Locations	
FIGURE 3.14-31.	Projected Year 2045 No Build Peak Hour Traffic Volumes	
FIGURE 3.14-32.	Projected Year 2045 Alternative 1 Peak Hour Traffic Volumes	
FIGURE 3.14-34.	Projected Year 2045 Alternative 2 Peak Hour Traffic Volumes	
FIGURE 3.14-35.	Projected Year 2045 Alternative 3 Peak Hour Traffic Volumes	
FIGURE 3.14-36.	Projected Year 2045 Alternative 4 Peak Hour Traffic Volumes	
FIGURE 3.15-1.	FHWA-Projected National MSAT Emission Trends for Vehicles Operating on	5.14-50
I Idone 3.13-1.	Roadways (2020 to 2060)	3 15-5
FIGURE 3.15-2.	Comparison of Distance to Residences in Olowalu	
FIGURE 3.15-3.	Comparison of Distance to Residences in Ukumehame	
FIGURE 3.16-1.	Typical Noise Levels	
FIGURE 3.16-2.	Noise Monitoring Locations	
FIGURE 3.16-3.	Modeled 2045 Noise Levels with the Project - Olowalu	
FIGURE 3.16-4.	Modeled 2045 Noise Levels with the Project - Ukumehame	
FIGURE 3.16-5.	Evaluated Noise Barrier Location, Build Alternative 4	
FIGURE 3.17-1.	Infrastructure Systems in Olowalu	
FIGURE 3.17-2.	Infrastructure Systems in Ukumehame	
FIGURE 3.18-1.	Observed Areas of Potential Contaminated Materials - Olowalu	
FIGURE 3.18-2.	Observed Areas of Potential Contaminated Materials - Ukumehame	
FIGURE 3.19-1.	Local and Regional Areas of Effect	
FIGURE 3.19-2.	Census Tract 320 Compared to Project Area	
FIGURE 3.19-3.	Low-Income Communities.	
FIGURE 3.19-4.	Minority Communities Map	
FIGURE 4-1.	Potential Section 4(f) Facilities	
FIGURE 4-2.	Preferred Alternative Traffic Access to Maui County Beach Parks and Firing Range	
TIGOTIL 4 2.	- Ukumehame	
FIGURE 5-1.	Draft EIS Build Alternatives	
FIGURE 5-2.	Draft EIS Preferred Alternative	
FIGURE 5-3.	Olowalu – Draft EIS Refinement at Northern Connection to Existing Lähainā Bypas	
FIGURE 5-4.	Ukumehame – Draft EIS Refinement at Northern Connection to Olowalu	
FIGURE 5-5.	Ukumehame – Draft EIS Refinement at Pali Connection through Ukumehame Firin	
1 Idon't 5-5.	Range	
FIGURE 5-6.	Selected Alternative Compared to Draft EIS Alternatives - Olowalu	
FIGURE 5-7.	Selected Alternative Compared to Draft Els Alternatives - Ukumehame	
FIGURE 5-8.	Cross Section with Shared-Use Path	
FIGURE 5-9.	Refined Awalua Stream Crossing from a Culvert to a Bridge	
FIGURE 5-10.	Olowalu Mauka Shift	
FIGURE 5-10.	Ukumehame Makai Shift	
I IUUI\L J-TT.	UNUITIONALI UNANAI JIIIL	34

xiv September 2025



FIGURE 5-12.	Change in Private TMK Parcels with Refined Preferred Alternative - Olowalu	.5-38
FIGURE 5-13.	Change in Private TMK Parcels with Refined Preferred Alternative - Ukumehame	.5-39

September 2025 xv



Abbreviations and Acronyms

ABBREVIATION/ ACRONYM	DEFINITION	
AADT	annual average daily traffic	
AASHTO	American Association of State Highway and Transportation Officials	
ACB	asphalt concrete base	
ACHP	Advisory Council on Historic Preservation	
ACS	American Community Survey	
AIS	Archaeological Inventory Survey	
ALISH	Agricultural Lands of Importance to the State of Hawai'i	
ANSI	American National Standard Institute	
APE	Area of Potential Effects	
AVE	Area of Visual Effect	
BFE	base flood elevation	
BGEPA	Bald and Golden Eagle Protection Act	
BLNR	Board of Land and Natural Resources	
ВМР	best management practice	
BSM	Blackburn's sphinx moth	
BWS	Board of Water Supply	
CAAP	Hawai'i Climate Adaption Action Plan	
CAFE	Corporate Average Fuel Economy	
CEQ	Council on Environmental Quality	
CFR	Code of Federal Regulations	
CGG	Coastal Geology Group	
CIA	Cultural Impact Assessment	
CRESI	Coastal Road Erosion Susceptibility Index	
CRC	Cultural Resource Commission	
CSH	Cultural Surveys Hawai'i, Inc.	
CSS	Context Sensitive Solutions	
CWA	Clean Water Act	
DAR	Division of Aquatic Resources	
DART	Deep-ocean Assessment and Reporting of Tsunamis	
dB	decibel	
dBA	A-weighted decibels	
DBEDT	Department of Business Economic Development and Tourism	
DHHL	Department of Hawaiian Home Lands	
DLNR	Department of Land and Natural Resources	
DOFAW	Division of Forestry and Wildlife	

xvi September 2025



DPR Department of Parks and Recreation EA Environmental Assessment EDR Environmental Data Resources, Inc. EFH Essential Fish Habitat EIS Environmental Impact Statement (Draft EIS, Final EIS) EISPN Environmental Impact Statement Preparation Notice EJ environmental Impact Statement Preparation Notice EJ environmental Impact Statement Preparation Notice ENSO EI Niño - Southern Oscillation EO Executive Order ERP Environmental Review Program ESA Endangered Species Act ETC Estimated Time of Completion FF degrees Fahrenheit FAST Act Fixing America's Surface Transportation Act FEA Final Environmental Assessment FEMA Federal Emergency Management Agency FHWA Federal Highway Administration FPPA Farmland Protection Policy Act GHG Greenhouse Gases GIS geographic information systems GPS Global Positioning System HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Revised Statutes HUI Hawaii'a Revised Statutes HUI Hawaii'a Revised Statutes International Building Code IRC International Residential Code	ABBREVIATION/ ACRONYM	DEFINITION	
EDR Environmental Data Resources, Inc. EFH Essential Fish Habitat EIS Environmental Impact Statement (Draft EIS, Final EIS) EISPN Environmental Impact Statement Preparation Notice EJ environmental justice ENSO EI Niño-Southern Oscillation EO Executive Order ERP Environmental Review Program ESA Endangered Species Act ETC Estimated Time of Completion *F degrees Fahrenheit FAST Act Fixing America's Surface Transportation Act FEA Final Environmental Assessment FEMA Federal Emergency Management Agency FHWA Federal Highway Administration FPPA Farmland Protection Policy Act GHG Greenhouse Gases GIS geographic information systems GPS Global Positioning System HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Revised Statutes HUI HUI O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Residential Code IRC International Residential Code	DPR	Department of Parks and Recreation	
EFH Essential Fish Habitat EIS Environmental Impact Statement (Draft EIS, Final EIS) EISPN Environmental Impact Statement Preparation Notice EJ environmental Justice ENSO EI Niño-Southern Oscillation EO Executive Order ERP Environmental Review Program ESA Endangered Species Act ETC Estimated Time of Completion °F degrees Fahrenheit FAST Act Fixing America's Surface Transportation Act FEA Final Environmental Assessment FEMA Federal Highway Administration FPPA Farmland Protection Policy Act GHG Greenhouse Gases GIS geographic information systems GPS Global Positioning System HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Residential Code IRC International Residential Code	EA	Environmental Assessment	
EIS Environmental Impact Statement (Draft EIS, Final EIS) EISPN Environmental Impact Statement Preparation Notice EJ environmental justice ENSO EI Niño - Southern Oscillation EO Executive Order ERP Environmental Review Program ESA Endangered Species Act ETC Estimated Time of Completion °F degrees Fahrenheit FAST Act Fixing America's Surface Transportation Act FEA Final Environmental Assessment FEMA Federal Emergency Management Agency FHWA Federal Highway Administration FPPA Farmland Protection Policy Act GHG Greenhouse Gases GIS geographic information systems GPS Global Positioning System HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Transportation HEPA Hawai'i Environmental Policy Act HEPA Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Residential Code	EDR	Environmental Data Resources, Inc.	
EISPN Environmental Impact Statement Preparation Notice EJ environmental justice ENSO EI Niño - Southern Oscillation EO Executive Order ERP Environmental Review Program ESA Endangered Species Act ETC Estimated Time of Completion °F degrees Fahrenheit FAST Act Fixing America's Surface Transportation Act FEA Final Environmental Assessment FEMA Federal Emergency Management Agency FHWA Federal Highway Administration FPPA Farmland Protection Policy Act GHG Greenhouse Gases GIS geographic information systems GPS Global Positioning System HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Transportation HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Residential Code IRC International Residential Code IRC International Residential Code	EFH	Essential Fish Habitat	
EJ environmental justice ENSO El Niño-Southern Oscillation EO Executive Order ERP Environmental Review Program ESA Endangered Species Act ETC Estimated Time of Completion *F degrees Fahrenheit FAST Act Fixing America's Surface Transportation Act FEA Final Environmental Assessment FEMA Federal Emergency Management Agency FHWA Federal Highway Administration FPPA Farmland Protection Policy Act GHG Greenhouse Gases GIS geographic information systems GPS Global Positioning System HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Residential Code IRC International Residential Code	EIS	Environmental Impact Statement (Draft EIS, Final EIS)	
ENSO El Niño-Southern Oscillation EO Executive Order ERP Environmental Review Program ESA Endangered Species Act ETC Estimated Time of Completion °F degrees Fahrenheit FAST Act Fixing America's Surface Transportation Act FEA Final Environmental Assessment FEMA Federal Emergency Management Agency FHWA Federal Highway Administration FPPA Farmland Protection Policy Act GHG Greenhouse Gases GIS geographic information systems GPS Global Positioning System HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Register of Historic Places HRS Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Residential Code	EISPN	Environmental Impact Statement Preparation Notice	
EO Executive Order ERP Environmental Review Program ESA Endangered Species Act ETC Estimated Time of Completion °F degrees Fahrenheit FAST Act Fixing America's Surface Transportation Act FEA Final Environmental Assessment FEMA Federal Emergency Management Agency FHWA Federal Highway Administration FPPA Farmland Protection Policy Act GHG Greenhouse Gases GIS geographic information systems GPS Global Positioning System HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Environmental Policy Act HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Residential Code	EJ	environmental justice	
ERP Environmental Review Program ESA Endangered Species Act ETC Estimated Time of Completion °F degrees Fahrenheit FAST Act Fixing America's Surface Transportation Act FEA Final Environmental Assessment FEMA Federal Emergency Management Agency FHWA Federal Highway Administration FPPA Farmland Protection Policy Act GHG Greenhouse Gases GIS geographic information systems GPS Global Positioning System HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Environmental Policy Act HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Residential Code IRC International Residential Code	ENSO	El Niño-Southern Oscillation	
ESA Endangered Species Act ETC Estimated Time of Completion °F degrees Fahrenheit FAST Act Fixing America's Surface Transportation Act FEA Final Environmental Assessment FEMA Federal Emergency Management Agency FHWA Federal Highway Administration FPPA Farmland Protection Policy Act GHG Greenhouse Gases GIS geographic information systems GPS Global Positioning System HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Residential Code IRC International Residential Code	EO	Executive Order	
ETC Estimated Time of Completion °F degrees Fahrenheit FAST Act Fixing America's Surface Transportation Act FEA Final Environmental Assessment FEMA Federal Emergency Management Agency FHWA Federal Highway Administration FPPA Farmland Protection Policy Act GHG Greenhouse Gases GIS geographic information systems GPS Global Positioning System HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Residential Code	ERP	Environmental Review Program	
PF degrees Fahrenheit FAST Act Fixing America's Surface Transportation Act FEA Final Environmental Assessment FEMA Federal Emergency Management Agency FHWA Federal Highway Administration FPPA Farmland Protection Policy Act GHG Greenhouse Gases GIS geographic information systems GPS Global Positioning System HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Ervironmental Policy Act HEPA Hawai'i Register of Historic Places HRS Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Residential Code	ESA	Endangered Species Act	
FAST Act Fixing America's Surface Transportation Act FEA Final Environmental Assessment FEMA Federal Emergency Management Agency FHWA Federal Highway Administration FPPA Farmland Protection Policy Act GHG Greenhouse Gases GIS geographic information systems GPS Global Positioning System HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Register of Historic Places HRS Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Residential Code	ETC	Estimated Time of Completion	
FEA Final Environmental Assessment FEMA Federal Emergency Management Agency FHWA Federal Highway Administration FPPA Farmland Protection Policy Act GHG Greenhouse Gases GIS geographic information systems GPS Global Positioning System HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Register of Historic Places HRS Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Residential Code	°F	degrees Fahrenheit	
FEMA Federal Emergency Management Agency FHWA Federal Highway Administration FPPA Farmland Protection Policy Act GHG Greenhouse Gases GIS geographic information systems GPS Global Positioning System HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Environmental Policy Act HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Register of Historic Places HRS Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Residential Code	FAST Act	Fixing America's Surface Transportation Act	
FHWA Federal Highway Administration FPPA Farmland Protection Policy Act GHG Greenhouse Gases GIS geographic information systems GPS Global Positioning System HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Environmental Policy Act HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Register of Historic Places HRS Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Residential Code	FEA	Final Environmental Assessment	
FPPA Farmland Protection Policy Act GHG Greenhouse Gases GIS geographic information systems GPS Global Positioning System HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Environmental Policy Act HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Register of Historic Places HRS Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Residential Code	FEMA	Federal Emergency Management Agency	
GHG Greenhouse Gases GIS geographic information systems GPS Global Positioning System HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Environmental Policy Act HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Register of Historic Places HRS Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Building Code IRC International Residential Code	FHWA	Federal Highway Administration	
GIS geographic information systems GPS Global Positioning System HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Environmental Policy Act HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Register of Historic Places HRS Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Building Code IRC International Residential Code	FPPA	Farmland Protection Policy Act	
GPS Global Positioning System HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Environmental Policy Act HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Register of Historic Places HRS Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Building Code IRC International Residential Code	GHG	Greenhouse Gases	
HAR Hawai'i Administrative Rules HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Environmental Policy Act HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Register of Historic Places HRS Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Building Code IRC International Residential Code	GIS	geographic information systems	
HCCC Hawai'i Climate Change Mitigation and Adaptation Commission HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Environmental Policy Act HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Register of Historic Places HRS Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Building Code IRC International Residential Code	GPS	Global Positioning System	
HDOA Hawai'i Department of Agriculture HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Environmental Policy Act HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Register of Historic Places HRS Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Building Code IRC International Residential Code	HAR	Hawai'i Administrative Rules	
HDOH State of Hawai'i Department of Health HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Environmental Policy Act HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Register of Historic Places HRS Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Building Code IRC International Residential Code	HCCC	Hawai'i Climate Change Mitigation and Adaptation Commission	
HDOT State of Hawai'i Department of Transportation HEPA Hawai'i Environmental Policy Act HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Register of Historic Places HRS Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Building Code IRC International Residential Code	HDOA	Hawai'i Department of Agriculture	
HEPA Hawai'i Environmental Policy Act HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Register of Historic Places HRS Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Building Code IRC International Residential Code	HDOH	State of Hawai'i Department of Health	
HEPA Hawai'i Revised Statutes, Chapter 343 HRHP Hawai'i Register of Historic Places HRS Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Building Code IRC International Residential Code	HDOT	State of Hawai'i Department of Transportation	
HRHP Hawai'i Register of Historic Places HRS Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Building Code IRC International Residential Code	HEPA	Hawai'i Environmental Policy Act	
HRS Hawai'i Revised Statutes HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Building Code IRC International Residential Code	HEPA	Hawai'i Revised Statutes, Chapter 343	
HUI Hui O Ka Wai Ola HVO Hawaiian Volcano Observatory IBC International Building Code IRC International Residential Code	HRHP		
HVO Hawaiian Volcano Observatory IBC International Building Code IRC International Residential Code	HRS	Hawai'i Revised Statutes	
IBC International Building Code IRC International Residential Code	HUI	Hui O Ka Wai Ola	
IRC International Residential Code	HVO		
	IBC	International Building Code	
	IRC	International Residential Code	
IIJA Infrastructure Investment and Jobs Act	IIJA	Infrastructure Investment and Jobs Act	
IPaC Information, Planning and Consultation	IPaC	Information, Planning and Consultation	
IPCC Intergovernmental Panel on Climate Change	IPCC	Intergovernmental Panel on Climate Change	
KVP key viewpoints	KVP	key viewpoints	

September 2025 xvii



ABBREVIATION/ ACRONYM	DEFINITION	
LCA	Land Commission Award	
LEP	Limited English Proficiency	
L _{eq}	the energy average noise level, in dBA, for a specific period	
LOS	Level of Service	
LRFI	Literature Review and Field Inspection	
MBTA	Migratory Bird Treaty Act	
MECO	Maui Electric Company	
MEMA	Maui Emergency Management Agency	
MHHW	Mean higher high water	
ММРО	Maui Metropolitan Planning Organization	
mm/year	millimeter per year	
MOU	Memorandum of Understanding	
mph	miles per hour	
MPO	Metropolitan Planning Organization	
MSAT	mobile source air toxics	
NAAQS	National Ambient Air Quality Standards	
NAC	Noise Abatement Criteria	
NEPA	National Environmental Policy Act	
NGPC	Notice of General Permit Coverage	
NHC	National Hurricane Center	
NHO	Native Hawaiian Organization	
NHOPI	Native Hawaiian or Other Pacific Islander	
NHPA	National Historic Preservation Act	
NHTSA	National Highway Traffic Safety Administration	
NMFS	National Marine Fisheries Service	
NOAA	National Oceanic and Atmospheric Administration	
NOI	Notice of Intent to Prepare an Environmental Impact Statement	
NOx	Nitrogen Oxides	
NPDES	National Pollutant Discharge Elimination System	
NRCS	Natural Resources Conservation Service	
NRHP	National Register of Historic Places	
NWI	National Wetlands Inventory	
OHWM	ordinary high water mark	
OPSD	Office of Planning and Sustainable Development	
OSTP	Office of Science and Technology Policy	
PA	Programmatic Agreement	
PASH	Public Access Shoreline Highway	
PCC	Portland Cement Concrete	

xviii September 2025



ABBREVIATION/ ACRONYM	DEFINITION	
PCB	polychlorinated biphenyl	
PDO	Property Damage Only	
PGA	peak ground acceleration	
PM _{2.5}	particulate matter less than 2.5 microns in aerodynamic diameter	
PM ₁₀	particulate matter less than 10 microns in aerodynamic diameter	
ppb	parts per billion	
ppm	parts per million	
Project	Honoapi'ilani Highway Improvements Project	
PS&E	Plans, Specifications, and Estimate	
PUC	Public Utilities Commission	
RCNM	Roadway Construction Noise Model	
RCRA	Resource Conservation and Recovery Act	
RFP	Request for Proposal	
RHA	Rivers and Harbors Act	
ROD	Record of Decision	
SAAQS	State Ambient Air Quality Standards	
Sackett	Sackett v. EPA	
SAFE	Safer Affordable Fuel-Efficient	
SCHPR	Statewide Coastal Highway Program Report	
SDC	seismic design category	
SHPD	State Historic Preservation Division	
SHPO	State Historic Preservation Officer	
SIHP	State Inventory of Historic Places	
SLOSH	Sea, Lake, and Overland Surges from Hurricanes	
SLR-XA	Sea Level Rise Exposure Area	
SMA	Special Management Area	
SOEST	School of Ocean and Earth Science and Technology	
SOI	Secretary of the Interior	
STIP	Statewide Transportation Improvement Program	
SWPPP	Storm Water Pollution Prevention Plan	
Task Force	Sea Level Rise and Coastal Flood Hazard Scenarios and Tools Interagency Task Force	
TAZ	traffic analysis zone	
TDM	Transportation Demand Management	
TDSR	Temporary Debris Staging and Reduction	
TERC	Transportation Environmental Resource Council	
TMDL	total maximum daily load	
TMK	Tax Map Key	
TNM	Traffic Noise Model	

September 2025 xix



ABBREVIATION/ ACRONYM	DEFINITION	
TSM	Transportation System Management	
TSMO	Transportation System Management and Operations	
TWSC	Two-way STOP-control	
µg/m³	micrograms per cubic meter	
Uniform Act	Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970	
USACE	U.S. Army Corps of Engineers	
U.S.C.	United States Code	
USCG	U.S. Coast Guard	
USDA	U.S. Department of Agriculture	
USDOT	U.S. Department of Transportation	
USEPA	U.S. Environmental Protection Agency	
USFWS	U.S. Fish and Wildlife Service	
USGS	U.S. Geological Survey	
Viewer	State of Hawai'i Sea Level Rise Viewer	
VMT	vehicle miles traveled	
WUI	Wildland-Urban Interface	

xx September 2025



Hawaiian Terms

TERMS	DEFINITION
ʻili	a subdivision or a smaller area of land within an ahupua'a
ahupua'a	A traditional land district that typically extends from the top of the mountains to the sea and includes a watershed
hoa 'āina	Hawaiian native land tenants
ka'ao	myths
kahakō	A macron indicating a long vowel sound in Hawaiian language ($\bar{a}, \bar{e}, \bar{i}, \bar{o}, \bar{u}$)
kalo	Taro (Colocasia escuelenta), a native plant critical to agriculture and for which its cultivation is at the core of Native Hawaiian culture and identity.
kuleana claim	Maka'ainana (native Tenant) Mahele land claim. Carved out of claims already made by the government and chiefs
Koe na Kuleana o Kanaka	Reserving the Rights of Native Tenants
konohiki	ahupua'a managers
Māhele/māhele	The Māhele was a historical event in Hawaiian history that began in 1845 with the establishment of a Board of Commissioners to Quiet Land Titles, also known as the Land Commission; māhele means a share, portion, land division
mauka/makai	inland/seaward, which correspond to generally easterly/westerly directions
Mele	songs and chants
moku	traditional district
moʻolelo	stories and history
nēnē	Hawaiian goose
'okina	Symbol representing the glottal stop in Hawaiian language; used only in front of vowels
'Ōlelo Hawai'i Terminology	The Hawaiian language, 'Ōlelo Hawai'i, is an important source of knowledge and reference in establishing historical context as well as current definitions of location, setting, and lineage. See mauka/makai
pali	cliff, steep hill, or slope; also refers to a specific place of steep topography south of the project area
wahi pana	storied places

September 2025 xxi



S. Summary

The State of Hawai'i Department of Transportation (HDOT), as the project sponsor and lead agency, in coordination with the Federal Highway Administration (FHWA), the federal lead agency, has prepared this Draft Final Environmental Impact Statement (Draft Final ElS) for the Honoapi'ilani Highway Improvements Project (the Project) in accordance with the requirements of the Council on Environmental Quality's regulations for implementing the procedural provisions of the National Environmental Policy Act (NEPA) and the-Hawaii Environmental Policy Act (HEPA) (HRS Chapter 343). Consistent with HRS 343-5(h), whenever an action is subject to both the National Environmental Policy Act (NEPA) and HRS 343, The State of Hawai'i, Office of Planning and Sustainable Development, Environmental Review Program and State agencies will cooperate with federal agencies as much as possible, although it is noted that separate HEPA and NEPA Final ElS documents have been prepared for the Project based on new federal requirements and existing state requirements. A single Draft ElS has been prepared jointly to satisfy the requirements of both the applicable federal and State of Hawai'i environmental review regulations.

Consistent with the Council on Environmental Quality's regulations for the implementation of NEPA (2022 Phase One revisions to 2020 CEQ regulations, 40 CFR §1502.12), tThis summary provides information regarding the major conclusions and issues considered in the Draft and Final EIS. Specifically, this summary discusses the purpose and need for the Project, the alternatives considered to address the purpose and need, the costs of the proposed improvements, the potential environmental effects, agency coordination, public involvement, and next steps. This summary is presented in a question-and-answer format and includes commonly asked questions. These questions are generally presented in the order in which a discussion of each topic is introduced in this document. This Draft EIS has been prepared in compliance with the Environmental Review Process of 23 U.S.C. 139 and meets the criteria of a "major project" to apply One Federal Decision provisions.

WHAT IS AN EIS?

An EIS is a document required by NEPA and HEPA for projects that are likely to significantly affect the environment. The EIS includes both a Draft EIS which was released for public review and commentary followed by this Final EIS which incorporates a summary and response to comments and any updated information or analysis including identification of the Selected Alternative. An EIS considers the environmental effects of federal and State agency actions—in this case, the action is to approve and fund the Project. The Record of Decision, which is issued by the FHWA based on the NEPA Final EIS, memorializes the findings of the EIS, affirms the Selected Alternative, and delineates the environmental commitments and mitigation measures identified in the assessment.

September 2025 S-1



What are the process milestones in creating an EIS?

Initiation and Scoping

After early project coordination with HDOT and FHWA, the environmental review process formally starts with first step in the process is publication of the NEPA Notice of Intent (NOI) and the HEPA EIS Preparation Notice, which provides an opportunity for the public and other agencies to review and provide comments on the Project and the federal and local actions necessary for implementation. Pursuant to NEPA regulations in effect at the time, the NOI was published in the Federal Register on November 23, 2022. In accordance with HEPA (HRS 343-5(a)(1) and HRS 343-5(b)), the environmental review process for the Project began with the publication of an EIS Preparation Notice, which was published in the Hawai'i Environmental Review Program's *The Environmental Notice* on November 24, 2022. Three public scoping meetings (one in-person, two virtual) were held in December 2022, and a final Scoping Report was issued in May 2023.

What are the key milestones for an EIS? Preparation and Release of the Draft EIS and Public Comment

An EIS process has three milestones: Based on the information presented during Scoping and input from public or agencies regarding the scope of work, the Draft EIS provides the core of the environmental impact assessment. For this project, the Draft EIS was completed on December 20, 2024, and made available to the public through the website on that date along with publication of the Notice of Availability in the Federal Register and The Environmental Notice in January 2025. This initiated a 45-day public review period extending to February 24, 2025. Two public hearings were held: an in-person hearing on January 23, 2025, and a virtual public hearing on January 28, 2025.

<u>Preparation of the Final EIS and Completion of the Record of Decision</u>

- All substantive comments received on the Draft EIS are summarized and responded to in the Final EIS. In addition, the Final EIS updates any new information or revised technical analyses based on public comment, updated site conditions, or ongoing consultation with regulatory agencies. Upon completion of the Final EIS, the NEPA lead agency memorializes its findings and decisions through the Record of Decision, For HEPA, the lead agency publishes the Final EIS in The Environmental Notice and the decision document is finalized as part of the Governor's acceptance of the Final EIS. First, when the federal lead agency determines that the environmental document is sufficiently ready for public review and comment, the Draft EIS is published.
- Next, upon completion of the public review period of 45 days, the lead agency will direct the
 preparation of a Final EIS, which provides any refinements to the impact assessment (or to a
 project itself) and responses to substantive public and agency comments on the Draft EIS.
- Finally, the lead agency completes the Record of Decision (ROD), which memorializes the agency's evaluation of environmental considerations and is the basis for agency decision making on actions necessary to implement a project.

Consistent with NEPA regulations, the intent for the Project is to issue the Final EIS and ROD at the same time. For HEPA, HDOT will coordinate completion of the Final EIS and upon its acceptance by the governor, a notice of acceptance will be published in *The Environmental Notice*.

S-2 September 2025



What are the key dates for this Draft EIS?

The joint Draft EIS public comment period extends to February 24, 2025, to provide a minimum 45 day public review period from both the January 3, 2025, Draft EIS Notice of Availability in the Federal Register and the January 8, 2025, publication in the State of Hawaii's *The Environmental Notice*. Two public hearings are scheduled to allow for one virtual public hearing on January 28, 2025, and one in person public hearing on January 23, 2025.

Project documents, a calendar of hearings, and, presentation materials, and a comment form are available on the Project's website at https://www.honoapiilanihwyimprovements.com/.

WHO IS LEADING THE EIS?

The FHWA is responsible for authorizing federal funds to implement the Project and is therefore identified as the lead federal agency for NEPA. HDOT is the lead State agency and is responsible for administering federal funds for highway improvements in Hawaii. HDOT is also the lead agency coordinating the HEPA review. For the Final EIS, there are separate NEPA and HEPA documents.

WHAT OTHER AGENCIES ARE INVOLVED IN THIS EIS?

Many local, state, and federal agencies participate and provide information and guidance as part of an EIS. For the Project, this includes two various agencies within Maui County (that is, e.g., Planning, and Parks and Recreation), Hawai'i State agencies such as multiple divisions of the Department of Land and Natural Resources and the Department of Health, as well as key federal agencies with roles in the development of the EIS and the necessary permits required by the Project (the U.S. Environmental Protection Agency, the U.S. Army Corps of Engineers, the National Oceanic and Atmospheric Administration, and the U.S. Fish and Wildlife Service). Chapter 8, Public Involvement and Agency Coordination, summarizes this agency coordination and public participation efforts. This outreach from the FHWA and HDOT was guided by the detailed Coordination Plan for Public and Agency Participation (published in November 2022) and was developed in compliance with applicable legislation and policies that guide public involvement in project development.

The roles of agencies involved in project consultation are described in 23 Code of Federal Regulations (CFR) 771 23 United States Code 139 including the roles of lead agencies, cooperating agencies, and participating agencies. According to the Council on Environmental Quality (40 Code of Federal Regulations Part 1508.1(e)), "Cooperating agency" means any Federal State, Tribal, or local agency, other than a lead agency, which that has jurisdiction by law or special expertise with respect to any environmental impact involved in a proposaled and has been designated as a cooperating agency by the lead agency. Project or project alternative A participating agency is a Federal, State, local, or federally recognized Indian Tribal governmental unit regional, or local government agency that has with an interest in the proposed project and has agreed accepted an invitation to be a participating agency to participate in the NEPA/HEPA and scoping processes.

TABLE S-1 identifies the federal, State of Hawai'i, and County of Maui agencies and their roles in implementing the Project. These agencies were have been contacted early in the NEPA process and

September 2025 S-3



accepted roles as cooperating and participating agencies (<u>except the U.S. Coast Guard which determined there were no bridges with Coast Guard jurisdiction</u>). Please note that the FHWA and HDOT will continue to consult with some agencies regardless of their status as a coordinating or participating agency.

TABLE S-1. Anticipated Permits and Approvals and Cooperating Agencies

Anticipated Fermits and Approvais and Cooperating Agencies		
PERMIT/APPROVAL	ISSUING/APPROVING AGENCY	
FEDERAL		
National Environmental Policy Act	Federal Highway Administration (FHWA)	
Department of Army Permit, Clean Water Act, Section 404	U.S. Army Corps of Engineers (USACE)	
Department of Transportation Act of 1966, Section 4(f) Evaluation	Federal Highway Administration FHWA	
Endangered Species Act, Section 7 consultation	U.S. Fish and Wildlife Service; National Oceanic and Atmospheric Administration, National Marine Fisheries Service	
Farmland and Conversion Impact Rating, pursuant to the Farmland Protection Policy Act	U.S. Department of Agriculture, Natural Resources Conservation Service	
Magnuson-Stevens Fishery Conservation and Management Act, Essential Fish Habitat coordination	National Oceanic and Atmospheric Administration, National Marine Fisheries Service	
National Historic Preservation Act Section 106 consultation	Advisory Council on Historic Preservation, State Historic Preservation Officer (SHPO)	
Section 309 of the Clean Air Act	U.S. Environmental Protection Agency (USEPA)	
Rivers and Harbors Act Section 10 Impacts to Navigable Waters (if applicable specific to tidal water influence)	U.S. Army Corps of Engineers <u>USACE</u>	
U.S. Coast Guard Bridge Permit Coordination	U.S. Coast Guard (USCG)	
Flood Map Change Request (if no-rise condition cannot be achieved)	Federal Emergency Management Agency (FEMA), County of Maui Emergency Management Agency	
STATE OF HAWAI'I		
Hawai'i Revised Statutes (HRS) Chapter 343, environmental review compliance	Governor, State of Hawai'i	
Coastal Zone Management Act Consistency Determination	Department of Business, Economic Development and Tourism, Office of Planning and Sustainable Development, Coastal Zone Management Program (DBEDT-OPSD, CZM)	
Clean Water Act, Section 401, Water Quality Certification	Department of Health (HDOH), Clean Water Branch	
Clean Water Act, Section 402, National Pollutant Discharge Elimination System Permit	HDOH, Clean Water Branch	
HRS Chapter 6E-8, State Historic Preservation review	Department of Land and Natural Resources (DLNR), State Historic Preservation Division (SHPD)	
HRS Chapter 195D, Conservation of Aquatic Life, Wildlife, and Land Plants	DLNR, Division of Forestry and Wildlife and Division of Aquatic Resources	
Stream Channel Alteration Permit	DLNR, Commission on Water Resource Management (CWRM)	

S-4 September 2025



PERMIT/APPROVAL	ISSUING/APPROVING AGENCY
Conservation District Use Permit	DLNR, Office of Conservation and Coastal Lands (OCCL)
Americans with Disabilities Act Accessibility Guidelines	HDOH, Disability and Communication Access Board (DCAB)
Community Noise Permit/Community Noise Variance	HDOH, Indoor and Radiological Health Branch
COUNTY OF MAUI	
Special Management Area Permit (modification for Olowalu subdivision existing permit; new permit for highway construction)	County of Maui Planning Department
Building and Grading Permits	County of Maui Planning Department
Maui County Ordinance 5421 Compliance (applicability to be determined in final design by design-build contractor and HDOT ROW in coordination with Maui County)	Maui County Council
Flood Map Change Request (if no-rise condition cannot be achieved)	County of Maui Emergency Management Agency, FEMA

WHERE IS THE PROJECT AREA?

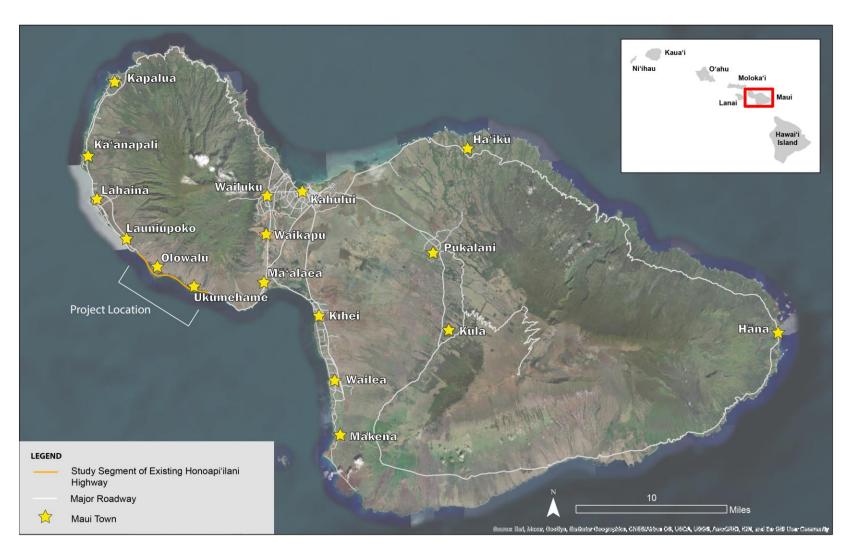
As shown in FIGURE S-1, the Project is located in West Maui south of Lāhainā and generally within the ahupua'a of Ukumehame and Olowalu. FIGURE S-2 provides a closer look at the project area between milepost 11 and milepost 17 on the existing Honoapi'ilani Highway, which is from the point where the highway connects with the Pali portion of the existing highway towards Central Maui and where it reconnects with the existing Lāhainā Bypass to the north.

The proposed southern terminus of the Project at milepost 11 is in Ukumehame at the Pali connection and within the vicinity of Pāpalaua Wayside Park. The northern terminus of the Project is at milepost 17 in Launiupoko, where Honoapi'ilani Highway intersects the southern terminus of Lāhainā Bypass. FIGURE S 3 shows the approximately 6 mile long and 0.75 mile wide project area encompassing all of the Build Alternatives identified in FIGURE S 4.

September 2025 S-5



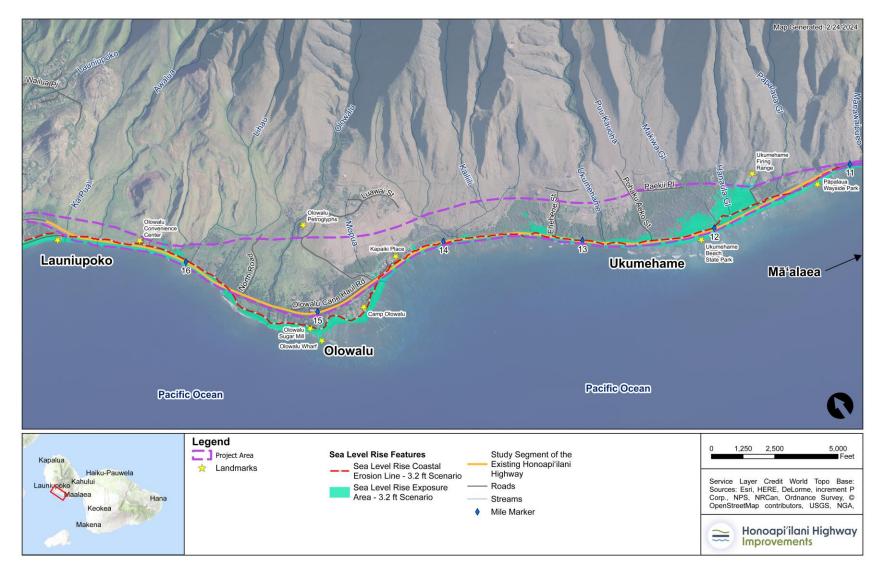
FIGURE S-1. Vicinity Map



S-6 September 2025



FIGURE S-2. Project Area



September 2025



WHY IS THIS PROJECT IMPORTANT?

Honoapi'ilani Highway is the primary transportation route for people and goods between West Maui and the rest of the island. As part of Maui's Belt Road system, Honoapi'ilani Highway is a two-lane principal arterial highway that provides the main access between communities along Maui's west coast and the rest of the island. The highway connects West Maui to transportation hubs such as Kahului Airport and Kahului Harbor, hospital and medical services, and goods and services not readily available in West Maui. While its population is only about 15% of the island's total population, West Maui is the second largest employment center. West Maui is a hub of tourism and many workers in the tourist industry travel from outside of West Maui. As the main access to this part of the island, roadway closures and delays carry severe consequences to West Maui's economy and residents.

Over the past 10 years, Honoapi'ilani Highway has been repaired three times after storm and high-wave events undermined pavement sections and overtopped the highway, making the roadway impassable. These projects are short-term fixes because they address only the most severe locations where Honoapi'ilani Highway is already undermined. The need for the Project is directly tied with climate change and sea level rise and the harm it is already causing to the existing highway. A comprehensive model of predicted change developed by the Hawai'i Climate Change Mitigation and Adaptation Commission, the Sea Level Rise Exposure Area (SLR-XA) confirms that road disruptions and emergency repairs will increase over time as a result of more frequent and severe flooding. The SLR-XA is a comprehensive model of the effects of sea level rise including passive flooding, coastal erosions, and high-wave flooding.

As presented in more detail in Chapters 1 and 2 of this Draft Final EIS, HDOT commissioned the Statewide Coastal Highway Program Report in 2019. The report utilized a scientifically rigorous methodology to assess and rank the susceptibility of Hawai'i's coastal roads to erosion and structural degradation caused by multiple ocean hazards (for example, waves, currents, tides, and sea level rise). The report evaluated over 300 individual coastal highway segments statewide that are threatened by coastal hazards and climate change and then prioritized these segments using a new ranking system called the Coastal Road Erosion Susceptibility Index. The report ranked a segment of Honoapi'ilani Highway in Olowalu that is within the project area as second in priority statewide and recommended hardening or relocating the segment. Ukumehame is ranked 11th in priority with a recommendation to elevate or relocate this segment of Honoapi'ilani Highway. The HDOT Hawaii Highways Climate Adaptation Action Plan: Exposure Assessments (2021) build on the Statewide Coastal Highway Program Report and further confirms the vulnerability of this segment of highway.

WHAT IS THE PURPOSE AND NEED OF THE PROJECT?

The Purpose and Need Statement establishes why a public agency is proposing a project and serves as the primary criteria in the alternatives screening process. In other words, project alternatives (that is, different approaches to designing and building a proposed project) are screened based on whether they align with the Purpose and Need Statement. As detailed in Chapter 1, Introduction, Purpose and Need, the Project's purpose is to provide a reliable transportation facility in West Maui that can serve the community with increased reliability and safety to withstand coastal hazards.

S-8 September 2025



Specifically, the Project is intended to address existing coastal erosion and flooding, as well as future coastal erosion and flooding caused by anticipated sea level rise. Much of existing Honoapi'ilani Highway in the project area (51% in Olowalu and 73% in Ukumehame) is within the projected 3.2-foot SLR-XA as defined by the Hawai'i Climate Change Mitigation and Adaptation Commission and the Hawai'i Department of Land and Natural Resources.

In short, the primary purpose of the Project is to reduce the highway's exposure to the SLR-XA, where feasible. Because there is no other route to central Maui, road closures, and even slowing traffic along this stretch can have significant effects on the movement of people and freight. Strengthening and reinforcing the highway's reliability would improve the efficiency of daily travel demands important not only to Maui residents, businesses, and visitors, but also to critical emergency response services as it would provide a more reliable evacuation route from wildfires and other disaster situations.

Two secondary objectives support the overall purpose and need for the Project:

- Provide regional transportation system linkages that support safe movement of people and goods
- Conform with regional land use and transportation plans

WHAT OPTIONS OR ALTERNATIVES WERE EVALUATED?

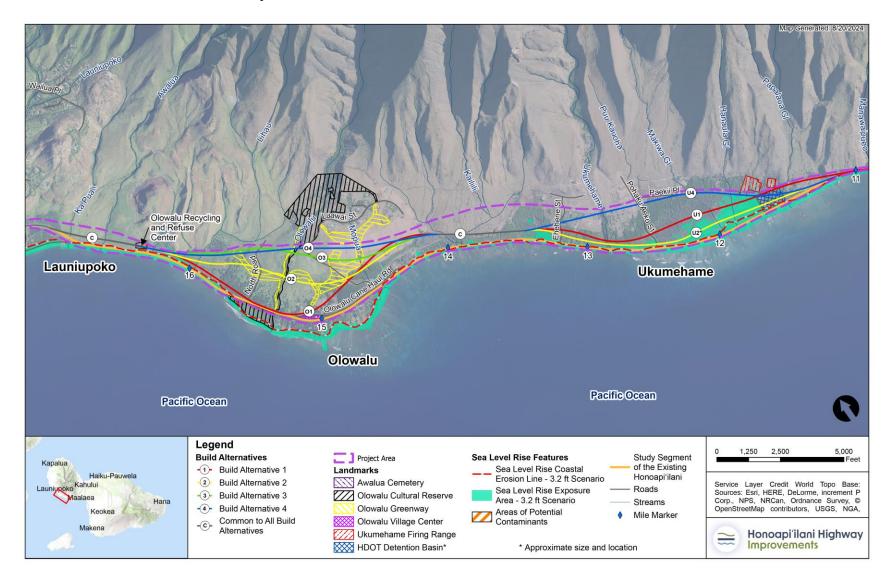
Federal and State environmental laws (that is, NEPA and HEPA) require the evaluation of reasonable build alternatives. As summarized in the <u>Scoping Report</u> issued in May 2023, the Draft EIS has considered a No Build Alternative as well as four Build Alternatives. The Build Alternatives are essentially different ways of routing the new highway alignments within the project area and were originally developed and refined based on prior planning studies by both the State of Hawai'i and Maui County (most notably the 2005 Maui County *Pali to Puamana Parkway Master Plan*) as well as early engagement with the community. Before the Draft EIS was started, the planning process identified additional alternatives and options to enhance the performance of the existing transportation network. But these alternatives were not considered further because they did not meet the Project's purpose and need.

Makai (toward the sea) and mauka (toward the mountains), Hawaiian terms that are typically used to define geographic orientation, are used extensively to define and describe conditions in this Draft Final EIS. As described with more detail in Chapter 2, Alternatives, and as shown in FIGURE S-3, the Build Alternatives include highway alignments that reflect variations to provide makai, middle, and mauka options in order to evaluate the potential positive and negative environmental effects (typically referred to as beneficial or adverse effects). As shown in FIGURE S-4 and FIGURE S-5, during the development of the Draft EIS (and in response to public comments during scoping), the Build Alternatives were further refined to assess the best option in two distinct segments for Olowalu and Ukumehame. In certain areas at each end of the project area and in the middle, there is only one viable alignment option due to rugged terrain, feasibility/constructability, and significant adverse effects to both the natural and cultural environment.

September 2025 S-9



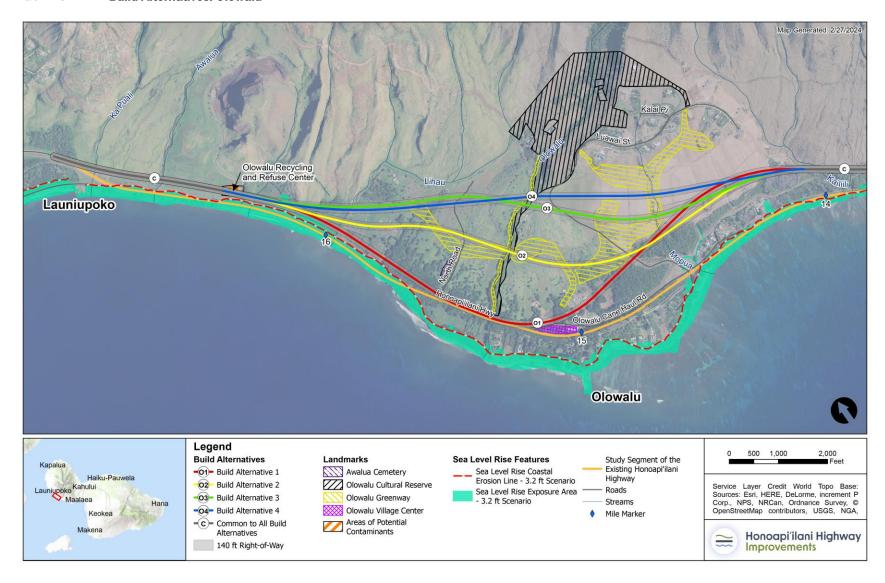
FIGURE S-3. Build Alternatives: Full Project Area



S-10 September 2025



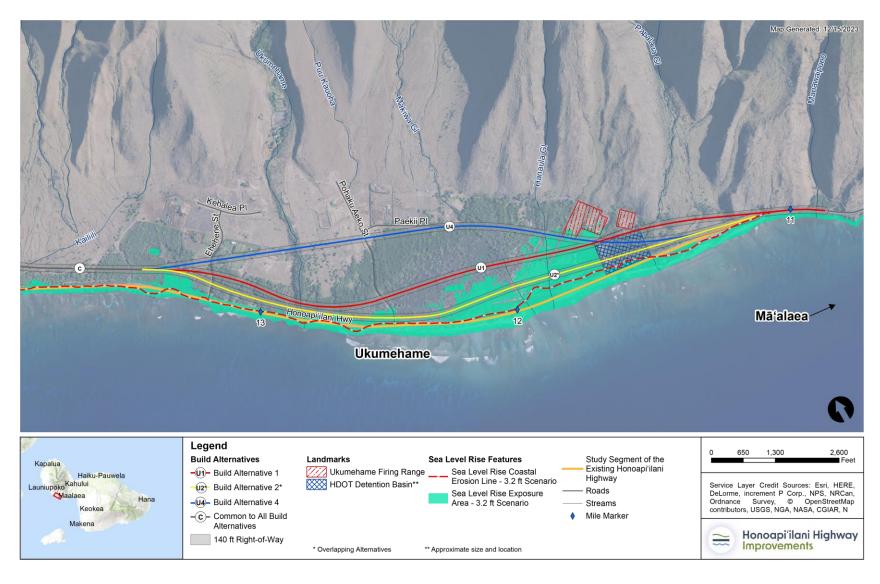
FIGURE S-4. **Build Alternatives: Olowalu**



September 2025 S-11



FIGURE S-5. Build Alternatives: Ukumehame



S-12 September 2025



Over the last decade, the transportation network just north of the Project's limits has changed. HDOT constructed Lāhainā Bypass Phase 1A from the Keawe Street Extension to Lāhaināluna Road in 2012; Phase 1B-1 from Lāhaināluna Road to Hōkiokio Place was completed in 2013; and Phase 1B-2 from Hōkiokio Place to the southern terminus of the Lāhainā Bypass was completed in 2018. These improvements are currently functioning as a two-lane highway but grading, drainage, and structures were designed to be fully built out to four lanes (two travel lanes in each direction), if the need arises and funding is available.

To invest in a new highway alignment that is consistent with these recent highway improvements, the Build Alternatives would have an average right-of-way width of approximately 140 feet with additional area required for intersections and stormwater management infrastructure. The full right-of-way would be cleared and graded but only two lanes (one moving lane in each direction) would be constructed. Other than intersections with existing cross streets that in turn provide access to the existing Honoapi'ilani Highway—which is proposed to become a local Maui County road to provide continued access to homes, business, parks, and a publicly accessible shoreline—the new highway would be limited-access with no driveways or access points to adjacent uses. Should HDOT pursue completion of a four-lane configuration in the future, a supplemental NEPA/HEPA environmental assessment would will be undertaken.

This Draft EIS assessment is based on preliminary concept designs that implement the Build Alternatives as established during the scoping process. Refinements will be made to the Preferred Alternative design during the Final EIS and effects from refined design will be documented in the Final EIS/ROD. For all Build Alternatives, permanent stormwater best management practice (permanent BMP) structures would include grassed swales located in the median and on the outside edges of the pavement structure as well as detention ponds situated at low points along the roadway profile that would collect and detain roadway stormwater. In addition, concept design includes the use of culverts, bridges, and viaducts (that is, longer multispan bridges) that allow for stream crossings or to avoid and minimize potential adverse effects with a Build Alternative.

All Build Alternatives in the Ukumehame segment would be on viaduct through environmentally sensitive areas. A roadway on embankment would harden the shoreline and not meet the Project's need to reduce roadway exposure to sea level rise. Viaduct would avoid new shoreline hardening and reduce effects to sensitive environmental areas. See Chapter 3, Affected Environment and Environmental Consequences, for details on environmental resources. And see Chapter 2, Alternatives, and Appendix 5.1 for more information on viaduct considerations.

The ultimate determination of culvert and bridge specifications, or the use of viaducts to span larger areas, would be based on the selected Preferred Alternative and the length of the span required. Environmental effects, constructability, and costs would also be considered. This will be further evaluated as part of the Final EIS but would be completed during the development of final design documents in the design build process.



WHAT ARE THE POTENTIAL IMPACTS OF THE PROJECT AND IS THERE A <u>SELECTED</u> PREFERRED ALTERNATIVE?

How are the alternatives are evaluated?

Based on a comprehensive evaluation of the Project's Build Alternatives in the Draft EIS, the FHWA and HDOT have identified a Preferred Alternative that comprises Build Alternative 2 in Olowalu and Build Alternative 1 in Ukumehame (FIGURE S-6). While the Preferred Alternative would provide the best overall alignment, this Draft EIS identified certain adverse effects on cultural resources. In identifying the Preferred Alternative, HDOT and the FHWA HDOT has selected the Preferred Alternative (now the Selected Alternative) and, as presented in this Final EIS, have incorporated refinements that would avoid and minimize these adverse effects (Chapter 5, Selected Preferred Alternative, provides a more detailed description). The final design during the design build process may provide additional opportunities to further refine the Preferred Alternative to optimize constructability, lower costs, and minimize environmental effects.

The comprehensive assessment of the Build Alternatives is presented in Chapter 3, Affected Environment and Environmental Consequences. FIGURE S-6 <u>identifies the Draft EIS determination of the Preferred Alternative</u>. FIGURE S-7 <u>presents the Selected Alternative for Olowalu</u> and TABLE S-2 provides a summary of the environmental effects of the Build Alternatives and the <u>Selected Preferred Alternative</u> for Olowalu. FIGURE S-8 <u>and TABLE S-3 provide the same information for and Ukumehame, respectively</u>. TABLE S-4 and TABLE S-5 provide a high-level characterization of the impact assessment leading to the identification of the Preferred Alternative for Olowalu and Ukumehame.

The refined Preferred Selected Alternative as presented in this Final EIS (FIGURE S-7 and FIGURE S-8 for Olowalu and Ukumehame, respectively) has been refined and adjusted in response to public comments, continued agency coordination and completion of concurrent required processes, most notably including:

- Design modifications including addition of a shared-use pathway within the new right-of-way, intersection refinements including a second signalized intersection, alignment design modifications at the Awalua Stream crossing and at Luawai Street and in Ukumehame near the Ukumehame Stream.
- Archaeological and architectural resource considerations in compliance with Section 106 of the National Historic Preservation Act including execution of a Programmatic Agreement that outlines additional assessment and mitigation commitments (see Chapter 3.6).
- Endangered Species Act Section 7 consultation resulting in a Biological Opinion issued by the U.S. Fish and Wildlife Service which summarizes the environmental commitments to avoid and minimize potential adverse effects on threatened and endangered species. will be assessed through the development of the Final EIS as well as the Section 106 Programmatic Agreement. This agreement will govern archaeological and architectural reviews through the Final EIS/ROD into final design for the Project, including the identification of archaeological resources and historic properties for the complete Preferred Alternative.

S-14 September 2025



What is the design-build construction process?

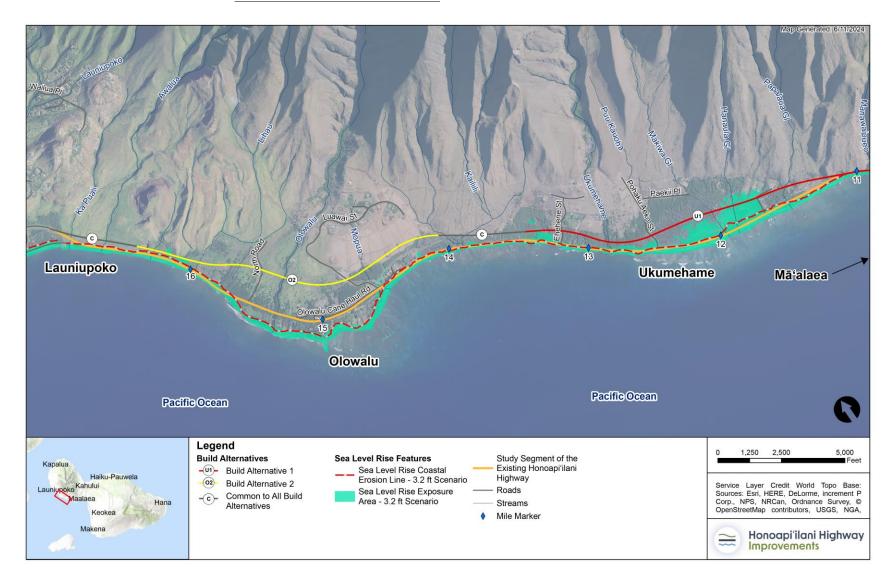
<u>Based on the selected</u> Preferred Alternativeis determined, HDOT uses a design build construction process to implement major capital projects. With design-build, HDOT procures a contractor through a competitive review of proposals that are submitted in response to a public request for proposals (RFP). The RFP delineates the project area, provides a detailed conceptual engineering package for a Preferred Alternative (as determined through the NEPA process), and identifies the environmental commitments and mitigation that must be incorporated into the contractor's scope and bid. Finally, the private construction team completes final design and construction documents, obtains final approvals and permits, and builds the project for HDOT.

Contractors who submit proposals for a project may identify additional or alternative measures to meet the RFP design or environmental mitigation requirements—measures which may or may not match the completed environmental findings. Such measures may identify ways to complete the work more efficiently (affecting price and schedule) or to more effectively mitigate or meet environmental compliance requirements and reflect the contractor's past experience and approach to design, construction, and project management. These changes may require a new assessment to ensure that the Project remains in conformance with the environmental findings of the ROD. This may require the contractor to complete a NEPA or HEPA reevaluation of the environmental findings and commitments (once the new design is finalized and before construction can begin).

Overall, HDOT design-build projects have shown to be an effective way to procure large capital projects that can result in cost and time savings.



FIGURE S-6. Preferred Alternative Selected from Draft EIS Alternatives



S-16 September 2025



FIGURE S-7. **Selected Alternative – Olowalu**

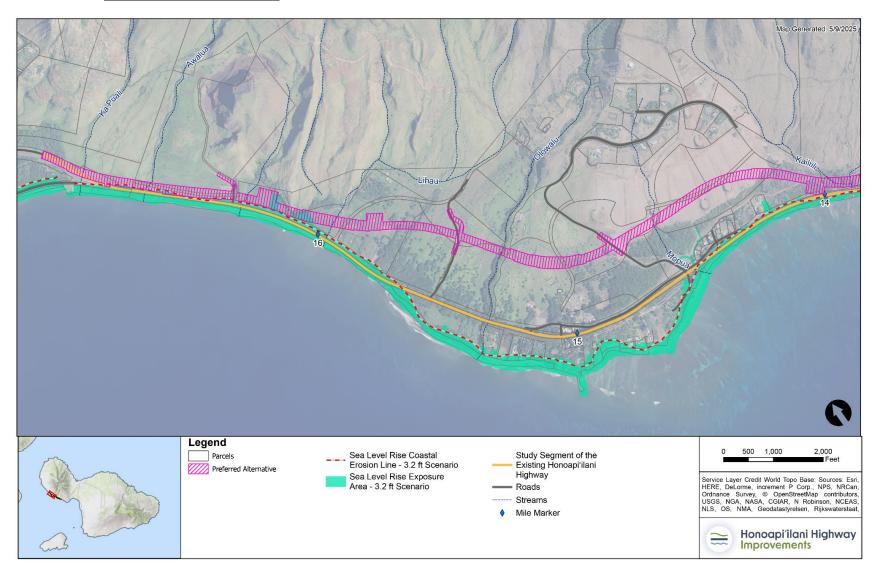
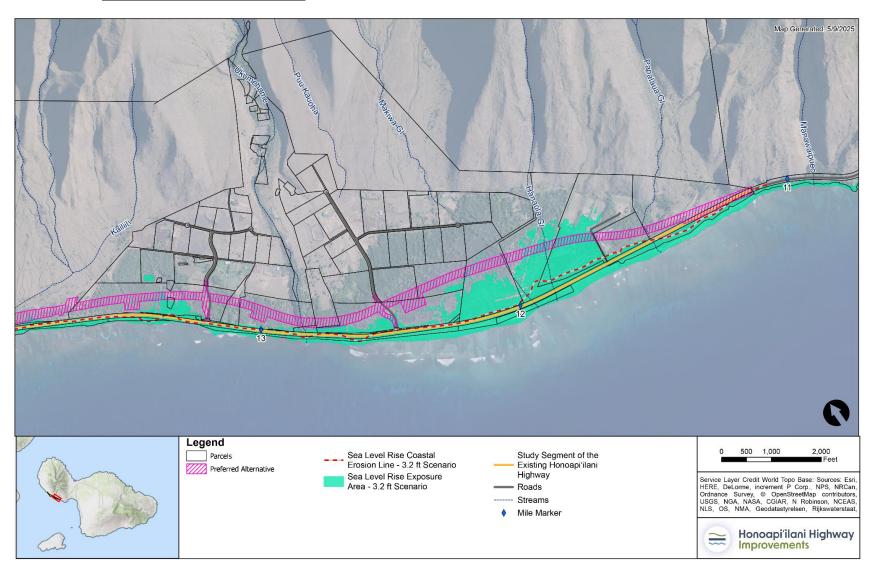




FIGURE S-8. **Selected Alternative – Ukumehame**



S-18 September 2025



TABLE S-2. Environmental Effects in Olowalu

IMPACT ASSESSMENT	NO BUILD ALTERNATIVE	ALTERNATIVE 1	ALTERNATIVE 2	ALTERNATIVE 3	ALTERNATIVE 4	PREFERRED SELECTED
Number of Private Tax Map Key Properties Affected	0	15	15	15	16	<u>16</u>
Number of Kuleana Properties Affected ³	0	3	5	8	5	5
Potential Residential Relocation ²	0	0	0	11	11	0
Potential Commercial/Agricultural Relocation	0	1	1	1	1	1
Community Facilities Relocation	0	0	0	0	0	0
Parks and Recreation Facilities Relocation	0	0	0	0	0	0
Historic Archaeological Resources (Adverse Effects)	0	2	2	2	2	2
Historic Architectural Resources (Adverse Effects)	0	0	0	0	0	0
Traffic Intersection Level of Service	F	Α	Α	Α	A	А
Traffic Impacts	NA	0	0	0	0	0
Air Quality Impacts	0	0	0	0	0	0
Noise Impacts	0	0	0	0	1	0
Visual and Scenic Character Effects (High, Medium, Low)	Medium	Medium	Low	Medium	High	Low
Wetlands and Other Waters (acres)	0.0	0.7	0.5	0.5	0.6	<u>0.6</u>
Flora and Fauna, Endangered Species (High, Medium, Low)	Low	Low	Low	Low	Low	Low
Sea Level Rise Exposure (percent within SLR-XA) ²	51%	3%	2%	1%	1%	2%
Hazardous Materials Sites, Low Risk	0	2	1	1	1	1
Environmental Justice - Likely Disproportionate Socioeconomic Adverse Effect	No	No	No	No	No	No

¹ Kuleana properties are Land Commission Awards rights granted by the Hawaiian monarchy in the 19th Century

² Overall property is affected by Build Alternative but may not require relocation of the residential use and would be determined during right-of-way acquisition negotiation

^{361%} of the No Build Alternative is within the SLR-XA



TABLE S-3. **Environmental Effects in Ukumehame**

IMPACT ASSESSMENT	NO BUILD ALTERNATIVE	BUILD ALTERNATIVE 1	BUILD ALTERNATIVES 2 AND 3	BUILD ALTERNATIVE 4	PREFERRED <u>SELECTED</u> ALTERNATIVE
Number of Private Tax Map Key Properties Affected	0	3	1	20	3
Number of Kuleana Properties Affected ¹	0	5	6	7	5
Potential Residential Relocation	0	0	0	<u>2</u>	0
Potential Commercial/Agricultural Relocation	0	<u>1</u>	0	2	<u>1</u>
Community Facilities Relocation	0	0	0	0	0
Parks and Recreation Facilities Relocation	0	0	0	0	0
Historic Archaeological Resources (Adverse Effects)	0	6	2	2	2
Historic Architectural Resources (Adverse Effects)	0	0	0	0	0
Traffic Intersection Level of Service	E	Α	A	А	A
Traffic Impacts	NA	0	0	0	0
Air Quality Impacts	0	0	0	0	0
Noise Impacts	0	0	0	0	0
Visual and Scenic Character Effects (High, Medium, Low)	Medium	Low	Low	High	Low
Wetlands and Other Waters (acres)	0.0	6.4	15.9	2.0	4.9
Flora and Fauna, Endangered Species (High, Medium, Low)	Low	Low	Low	Low	Low
Sea Level Rise Exposure (percent within SLR-XA) ¹	73%	12%	35%	8%	12%
Hazardous Materials Sites, Low Risk	0	1	0	1	1
Environmental Justice - Likely Disproportionate Socioeconomic Adverse Effect	No	No	No	No	No

 $^{^1}$ Kuleana properties are Land Commission Awards rights granted by the Hawaiian monarchy in the 19th Century 2 -100% of the No Build Alternative is within the SLR XA

S-20 September 2025



TABLE S-4. Evaluation of No Build Alternative and Build Alternatives in Olowalu

TOPIC	NO BUILD ALTERNATIVE	BUILD ALTERNATIVE 1	BUILD ALTERNATIVE 2	BUILD ALTERNATIVE 3	BUILD ALTERNATIVE 4	PREFERRED SELECTED ALTERNATIVE
Preliminary Construction Cost Estimates	•	•	•	•	•	•
Land Use and Zoning	•	•	•	•	•	•
Agriculture and Farmlands	•	•	•	•	•	•
Community Services	•	•	•	•	•	•
Land Acquisition, Displacement, and Relocation	•		•			•
Parklands and Recreational Resources	•	•	•	•	•	•
Archaeological and Architectural Historic Properties	•	•	•	•	•	•
Cultural Resources	•	•	•	•	•	•
Visual and Scenic Character	•	•	•	•	•	•
Water Resources, Wetlands, and Floodplains	0	•	•	•	•	•
Flora and Fauna, Endangered Species	•	•	•	•	•	•
Geology, Soils, and Natural Hazards	•	•	•	•	•	•
Coastal Zone Management/Hawai'i Special Management Areas	0	•	•	•	•	•
Climate Change and Sea Level Rise	0	•	•	•	•	•
Transportation		•	•	•	•	•
Air Quality and Energy	•		•	•	•	•
Noise	•	•	•	•	•	
Infrastructure and Utilities	•		•	•	•	•
Hazardous Materials		•	•	•		
Socioeconomic Conditions/Environmental Justice	•	•	•	•		
OLOWALU OVERALL ASSESSMENT	•	•	•	•	•	•

 \bigcirc = Worst; \bigcirc = Poor; \bigcirc = Neutral; \bigcirc = Good; \bigcirc = Best



TABLE S-5. Evaluation of No Build Alternative and Build Alternatives in Ukumehame

торіс	NO BUILD ALTERNATIVE	BUILD ALTERNATIVE 1	BUILD ALTERNATIVES 2 AND 3	BUILD ALTERNATIVE 4	PREFERRED SELECTED ALTERNATIVE
Preliminary Construction Cost Estimates	•	•		•	0
Land Use and Zoning	•	•	•	•	•
Agriculture and Farmlands	•	•	•	•	•
Community Services	•	•	•	•	•
Land Acquisition, Displacement, and Relocation	•	•	•	0	•
Parklands and Recreational Resources	•	•	•	•	•
Archaeological and Architectural Historic Properties	•	•	•	•	•
Cultural Resources	•	•	•	•	•
Visual and Scenic Character	•	•	•	•	•
Water Resources, Wetlands, and Floodplains	•	•	0	•	•
Flora and Fauna, Endangered Species	•	•	•	•	•
Geology, Soils, and Natural Hazards	•	•	•	•	•
Coastal Zone Management/Hawai'i Special Management Areas	0	•	•	•	•
Climate Change and Sea Level Rise	0	•	•	•	•
Transportation	0	•	•	•	•
Air Quality and Energy	•	•		•	•
Noise	•			•	
Infrastructure and Utilities	•	•	•	•	
Hazardous Materials		•		•	
Socioeconomic Conditions/Environmental Justice	•	•	•	•	•
UKUMEHAME OVERALL ASSESSMENT	•		•	•	

○ = Worst; ○ = Poor; ○ = Neutral; ○ = Good; ○ = Best

S-22 September 2025



What is the design-build construction process?

<u>Based on the Selected</u> <u>Once a Preferred</u> Alternative—is <u>determined</u>, HDOT uses a design-build construction process to implement major capital projects. With design-build, HDOT procures a contractor through a competitive review of proposals that are submitted in response to a public request for proposals (RFP). The RFP delineates the project area, provides a detailed conceptual engineering package for a <u>Selected Preferred</u> Alternative (as determined through the NEPA process), and identifies the environmental commitments and mitigation that must be incorporated into the contractor's scope and bid. Finally, the private construction team completes final design and construction documents, obtains final approvals and permits, and builds the project for HDOT.

Contractors who submit proposals for a project may identify additional or alternative measures to meet the RFP design or environmental mitigation requirements—measures which may or may not match the completed environmental findings. Such measures may identify ways to complete the work more efficiently (affecting price and schedule) or to more effectively mitigate or meet environmental compliance requirements and reflect the contractor's past experience and approach to design, construction, and project management. These changes may require a new assessment to ensure that the Project remains in conformance with the environmental findings of the ROD. This may require the contractor to complete a NEPA or HEPA reevaluation of the environmental findings and commitments (once the new design is finalized and before construction can begin).

Overall, HDOT design=build projects have shown to be an effective way to procure large capital projects that can result in cost and time savings.

WHAT ARE THE PRELIMINARY COST ESTIMATES FOR THE <u>SELECTED ALTERNATIVE</u> PROJECT?

The initial construction costs (exclusive of property acquisition and other non-construction costs) presented in the Draft EIS for the Preferred Alternative \$160.8 million. In finalizing the Selected Alternative in the Final EIS, the current construction estimate is \$298 million. This increase of \$138 million is primarily to accommodate the addition of the shared-use path, the second signalized intersection at Ehehene Street, potential passing lanes between Ehehene and Luawai Streets, adding a culvert to maintain access to a kuleana parcel in Ukumehame, and the switch from a culvert to a bridge across the Awalua Stream. In addition, continued refinement of the cost estimate has advanced other costs including mobilization, labor costs, materials (actual costs and transportation costs to import materials and equipment to Maui), as well as escalation and contingencies. Initial property acquisition for Right-of-Way is estimated at \$18 million but would not be finalized until the final alignment is established during the design build process, overall project construction costs and other project costs such as right-of-way acquisition will be finalized.

The Project has a preliminary construction cost estimate of about \$160 million. TABLE S 6 presents a preliminary construction cost estimate for the Project broken down by the Olowalu and Ukumehame segments for each of the Build Alternatives. Because each segment would be selected independently, there is no single total per alternative. Therefore, the range in preliminary construction costs are from \$151.1 million (Olowalu Build Alternative 3 plus Ukumehame Build Alternative 4) to \$159.5 million

S-23 September 2025



(Olowalu Build Alternative 2 plus Ukumehame Build Alternatives 2 and 3). TABLE S-7 summarizes the preliminary cost estimate for the Preferred Alternative, which is estimated at about \$160.8 million including the refinements to the alignment described in Chapter 5, Preferred Alternative.

TABLE S-6. Preliminary Cost Estimate (Build Alternatives)

SEGMENT	BUILD ALTERNATIVE 1 (MILLIONS)	BUILD ALTERNATIVE 2 (MILLIONS)	BUILD ALTERNATIVE 3 (MILLIONS)	BUILD ALTERNATIVE 4 (MILLIONS)
Olowalu	\$63.8	\$68.2	\$62.9	\$64.0
Ukumehame	\$90.6	\$91.3	\$91.3	\$88.2

TABLE S-7. Preliminary Cost Estimate for the Preferred Alternative

SEGMENT	PREFERRED ALTERNATIVE (MILLIONS)		
Olowalu	\$71.1		
Ukumehame	\$89.7		
Total	\$160.8		

WHEN WILL THE <u>SELECTED</u> PREFERRED ALTERNATIVE BE CONSTRUCTED?

The project sponsors anticipate a combined Final EIS/ROD in 2025. As noted above, HDOT will would then commence a design-build contractor selection process in September 2025, that would allow for construction to start about a year later. In short, HDOT anticipates that project construction would take approximately four years and the Project could potentially be complete and operational by 2030.

HOW HAS THE PUBLIC BEEN INVOLVED IN THE PROJECT?

The Project has offered the public ongoing opportunities to get involved and provide input on project planning and scoping. In 2022, the year prior to starting the EIS, a series of community meetings were held to inform the public about the Project and provide opportunities for early input. Formal scoping meetings on the Draft EIS were held in December 2022. Three public scoping meetings (one in-person, two virtual) were held in December 2022, and a final Scoping Report was issued in May 2023.

With completion of the Draft EIS in December 20, 2024, a 45-day public review period (through February 24, 2025) was initiated which included two public hearings: an in-person hearing on January 23, 2025, and a virtual public hearing on January 28, 2025. There were a variety of methods available for individuals to submit comments on the Draft EIS: email, online form, printed form, and verbally at the public hearings.

Additional meetings continue to be held with the community, including outreach to Native Hawaiian organizations, business and community leaders. And the Project continues to share documents and other important information at key milestones through its website at https://www.honoapiilanihwyimprovements.com/.

S-24 September 2025



Chapter 8, Public Involvement and Agency Coordination, summarizes the Project's agency coordination and public participation efforts. <u>Chapter 9, Response to Comments provides a summary of public comments and lead agency responses to substantive comments.</u>

<u>Public comments and continued agency coordination were considered by HDOT in the evaluation, refinement, and decision to move forward with the Selected Alternative.</u>

WILL THERE BE ADDITIONAL OPPORTUNITIES FOR PUBLIC PARTICIPATION?

As with all large-scale construction projects, as HDOT initiates the design-build contractor process and through project construction, there will a continued dialogue with the public and information will continue to be shared on the project website.

There are additional opportunities for public participation in the EIS process and in the implementation of the Project leading into construction activities. Specifically related to the publication of the Draft EIS, the public comment period has the following timeline:

- Publication of this Draft EIS starts a formal public review and comment period that lasts for 45 days.
- Within this timeframe, the FHWA and HDOT will accept written comments on the Project and will hold three public hearings where the public can provide their comments on this Draft EIS. Comments provided at the public hearing will be recorded, and written comments can be submitted by email, through the Project's website, or by traditional mail addressed to the people listed below.
- The Final EIS will summarize and respond to all substantive comments on this Draft EIS that are submitted during the 45-day comment period.

WHO CAN I CONTACT FOR FURTHER INFORMATION OR TO SUBMIT COMMENTS ON COMPLETION OF THE FINAL EIS AND RECORD OF DECISION?

For more information, please visit the Project's website at www.Honoapiilanihwyimprovements.com or contact:

Ken Tatsuguchi, PE
Hawai'i Department of Transportation
Highways Division – Planning Branch
869 Punchbowl Street, Room 301
Honolulu, HI 96813
(808) 587-1830
ken.tatsuguchi@hawaii.gov

Richelle Takara, Division Administrator
Federal Highway Administration, Hawai'i Division
Box 50206
300 Ala Moana Boulevard, Room 3-229
Honolulu, HI 96850
(808) 541-2700
Richelle.Takara@dot.gov