

CHAPTER 1 INTRODUCTION



Figure 1-1 Location Map

1.1 OVERVIEW

The Kahului Airport (OGG) is the primary commercial airport on the island of Maui. It occupies 1,540.51 acres of land located on the northeastern side of Kahului Town. See **Figure 1-1**. The airport is owned and operated by the State of Hawai'i Department of Transportation, Airports Division (DOTA) as part of its state-wide airport system. The current OGG Master Plan (MP) was completed in 1993.

1.2 1993 MASTER PLAN

The 1993 OGG MP identified 30 improvement projects for implementation. **Table 1-1** summarizes the status of the 30 improvement projects. To date five (5) projects have been completed, four (4) projects are partially completed, three (3) projects have been removed from consideration, and 18 projects are pending. Pending projects are still needed and will be included as part of this MP Update.

PROJECT	1993 PROPOSAL NUMBER	STATUS	COMMENT
Terminal Expansion to South	A	pending	To be included in MP Update
New Gates North End	A	pending	To be included in MP Update
New Aircraft Rescue and Fire Fighting (ARFF)	AA	completed	
Parallel Runway - 8,500 feet (ft.)	B	pending	To be included in MP Update at 7,000 ft.
New Fuel Line	BB	partial	Portion to harbor removed from plan
Connecting Taxiways for Parallel Runway	C	pending	To be included in MP Update
Realign Hāna Highway	CC	pending	To be included in MP Update
Runway 2-20 Extension to 9,600 ft.	D	pending	To be included in MP Update at 8,530 ft.
Access Road From Hāna Highway	E	partial	Schedule for completion in 2016
Alahao Emergency Access	F	pending	To be included in MP Update
Expand Rent-a-Car (RAC) Parking	G	partial	Scheduled completion in 2017
U.S. Postal Service Facility (USPS)	H	pending	To be included in MP Update at new location
USPS Office Access Ramp	I	removed	
Cargo Expansion East Ramp	J	pending	South ramp work completed
General Aviation (GA) T-Hangers East Ramp	K	pending	To be included in MP Update
Commercial Lease Lots	L	pending	To be included in MP Update
New Scenic Tour	M	pending	To be included in MP Update
Helicopter Facility Expand	N	pending	To be included in MP Update
Cargo Expansion South Ramp	O	partial	To be included in MP Update
Transient Aircraft Parking	P	pending	To be included in MP Update
New Airline Ground Service Equipment (GSE)	Q	pending	To be included in MP Update
ARFF Training Facility	R	completed	
Flight Kitchen	S	removed	
Keolani Place Lease Lots	T	pending	To be included in MP Update
Bulk Fuel Storage	U	completed	
Relocate Existing Parking	V	pending	To be included in MP Update
Kanahā Beach Park	W	completed	
Taxiway F-G Realignment (Rwy 5-23)	X	removed	
East Ramp Access Road	Y	pending	To be included in MP Update
Relocated Very High Frequency Omni-Directional Radio Range with Tactical Air Navigation (VORTAC) Site	Z	completed	

Table 1-1 1993 OGG MP Proposed Improvements Projects

Since the completion of the OGG MP in 1993, land use and infrastructure development surrounding the airport has continued at a pace consistent with the economy. North of the OGG is the Kanahā Beach Park, and the beginning of the North Shore Greenway, a seven (7) mile pedestrian bicycling path stretching from Kahului to Pā'ia. Southwest of the OGG in Kahului Town, significant changes have occurred along Dairy Road where new light industrial and retail operations now dominate. Construction also commenced on the new airport access road into the OGG from Hāna Highway. To the east of the OGG, agricultural uses predominate, however, with the cessation of sugarcane production future land uses are uncertain.

1.3 MASTER PLAN PROCESS

This update of the OGG MP is part of DOTA's ongoing planning process to meet current and future aviation demands. It builds upon the 1993 OGG MP and provides guidance for future airport development. The MP Update covers a 20-year planning horizon and includes short-, medium-, and long-term development phases. This MP Update and the Airport Layout Plan (ALP) update are products of the planning process.

Guidance for the preparation of airport master plans is provided by the Federal Aviation Administration (FAA) Advisory Circular (AC) 150/5070-6B, *Airport Master Plans*. It states that the goal of an airport master plan is "...to provide guidelines for future airport development which will satisfy aviation demand in a financially feasible manner, while at the same time addressing aviation, environmental, and socioeconomic issues existing in the community."

The MP Update is designed to result in the following:

A graphical representation of future airport development within the context of current and anticipated land uses in the vicinity of the OGG
A prioritized capital improvement program and schedule for improvement projects proposed in the MP
An alternatives assessment for the proposed facilities and land use plan
Reaffirm the existing framework of the master planning process for the OGG, including the valued input of airport users and the community, and Federal, State, and local agencies
An improved Level of Service (LOS) for customers and users of the OGG
An improved level of airport safety and security for customers and users of the OGG
An efficient use of property and facilities
A balance of passenger volumes and operations among OGG facilities
Improved tenant facilities
Enhanced airport access as part of the region's transportation system
Measured and incremental improvements that are cost effective and respond to the region's forecast for air service for passengers and cargo
Compatibility with surrounding land uses

Implementation guidance is provided by the FAA via the ACs. Since the last OGG MP in 1993, a number of changes have been made by the FAA to ACs that affect airport planning and design. The ACs that provide guidance for this MP Update are listed in the following table:

Advisory Circular ID	Advisory Circular Title
150/5300 13A	Airport Design
150/5070 6B	Airport Master Plans
150/5325 4B	Runway Length Requirements for Airport Design
150/5100	Land Acquisition and Relocation Assistance for Airport Improvement Program Assisted Projects
150/5200 33B	Hazardous Wildlife Attractants on or Near Airports
150/5300-16A	General Guidance and Specifications for Aeronautical Surveys: Establishment of Geodetic Controls and Submission to the National Geodetic Survey
150/5200-17b	General Guidance and Specifications for Aeronautical Survey Airport Imagery Acquisition and Submission to the National Geodetic Survey
150/5200-18b	General Guidance and Specifications for Submission of Aeronautical Surveys to NGS: Field Data Collection and Geographic Information System (GIS) Standards



Pictured Above: Ticketing Lobby

1.4 GOALS AND OBJECTIVES

The two (2) principal goals of this MP Update are to:

- Identify the facilities needed to accommodate forecast air service demand through 2035 while improving LOS, airport safety and security, and enhancing airport access.
- Propose locations and configurations for facilities that efficiently utilize the existing airport property and facilities, are compatible with surrounding land uses, and are cost effective.

The objectives of this MP Update are to:

- Provide a graphical representation of future airport development within the context of current and anticipated land uses in the vicinity of the OGG.
- Outline a prioritized capital improvement program and schedule for improvement projects described in the MP Update.
- Present the technical rationale and documentation of procedures used to formulate and assess alternatives in determining the proposed facilities and land use plan.
- Provide input from airport users, members of the public, and government agencies.

1.5 COORDINATION

This MP Update was prepared by the DOTA in consultation and participation with the FAA, Technical and Citizen Advisory Committees, and members of the general public. The Technical and Citizen Advisory Committees were organized to review and comment on detailed aspects of the MP Update relating to their specific areas of interest or concern. Members of each advisory committee were selected to represent various airport users, special interest groups, and government agencies. To inform

and obtain input from the general public, DOTA held a series of public information meetings.

The following individuals and organizations served on the Technical and Citizen Advisory Committees:

Technical Advisory Committee

- A & B Properties, Inc.
- Advantage Rent a Car
- Alika Aviation, Inc.
- American Airlines
- Alaska Airlines
- Air Canada
- Air Maui Helicopter Tours
- Airlines Committee of Hawaii
- Aloha Air Cargo
- Aris Inc.
- Avis Budget Group
- Bradley Pacific Aviation
- Blue Hawaiian Helicopters
- Blind Vendors Ohana, Inc.
- Continental Airlines
- Delta Airlines
- DOTA Maui District
- Dollar Rent a Car
- DFS Hawaii Kahului Airport
- Enterprise Rent-A-Car
- Edward K. Noda and Associates
- Federal Aviation Administration
- FedEx
- Hawaiian Airlines
- Haliimaile Pineapple
- State Department of Agriculture, Land and Natural Resources
- Hawai'i Tourism Authority
- State Department of Transportation, Harbors Division
- Hertz

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- HMSHost
 - Island Air
 - Kahului Taxi Service
 - Kahului Airport Coalition
 - County of Maui Planning, Water Supply and Public Works Departments
 - Office of the Mayor (Maui)
 - County of Maui Council (Chair)
 - County of Maui Police Department
 - Maui Land and Pineapple, Inc.
 - Maui Visitors Bureau
 - Maui Chamber of Commerce
 - Maui Aviators Aircraft Rental Flight Training, Inc.
 - Mokulele Airlines
 - National Car Rental
 - Pacific Air Cargo
 - Pacific Helicopters
 - Roberts Hawaii
 - Securitas, Inc.
 - Sunshine Helicopters
 - Transair and Rhodes Aviation, Inc.
 - Transportation Security Administration
 - United Airlines
 - U.S. Airways
 - U.S. Department of Homeland Security, Customs and Border Protection
 - U.S. Department of Agriculture
 - U.S. Postal Service
 - United Parcel Service
 - WestJet
 - Windward Aviation, Inc.
 - Grand Wailea Resort
 - Haleakalā National Park
 - Hyatt Regency Maui Resort and Spa
 - Kahului Town Association
 - Kahului Airport Coalition
 - Queen Ka’ahumanu Center
 - Marriott Wailea Beach Resort and Spa
 - Life of the Land
 - Maui Chamber of Commerce
 - Maui Contractors Association
 - Maui County Farm Bureau
 - Maui Disposal Co., Inc.
 - Maui Economic Opportunity, Inc.
 - Maui Hotel and Lodging Association
 - Maui Realtors Association – Maui, Inc.
 - Maui Tomorrow Foundation, Inc.
 - Maui Visitors Bureau
 - Maui Economic Opportunity
 - Dick Mayer
 - Nature Conservancy
 - Office of Hawaiian Affairs
 - Office of the Governor
 - Sierra Club, Maui Group
 - Spreckelsville Community Association
 - Hawaii State Legislators
 - Representative Angus McKelvey
 - Representative Gilbert Agaran
 - Representative Kaniela Ing
 - Representative Joseph Souki
 - Representative Kyle Yamashita
 - Senator Rosalyn Baker
 - Senator Kalani English

Citizen Advisory Committee

- DOT Office of Civil Rights
- Greg and Masako Westcott
- EarthJustice
- U.S. Legislators
 - U.S. Representative Tulsi Gabbard
 - U.S. Senator Mazie Hirono

- U.S. Senator Brian Shatz
- State Office of Planning
- Sandy Szymanski
- The Maui Farm, Inc.
- T S Restaurants
- The Westin Maui Resort and Spa
- Marsha Wienert

Airport Staff

- Deputy Director of Transportation – Ross M. Higashi
- Airport District Manager – Marvin Moniz
- Assistant Airport Superintendent – Dale Tsubaki
- Engineering Program Manager – Jeff Chang
- Construction Engineer – Gene Matsushige
- Planning Section – Herman Tuiolosega and Lynette Kawaoka

Lead Consultant

- R. M. Towill Corporation

1.6 REPORT CONTENT

This MP Update is organized into eight (8) chapters that generally follow the sequence of the planning process. An implementation plan for the recommended improvements is also included within each chapter. MP Update is organized as follows:

Chapter 1, Introduction – Describes the framework guiding the MP Update, identifies goals and objectives, and summarizes implementation of the 1993 OGG MP projects.

Chapter 2, Existing Conditions – Provides an overview of the regional setting, existing State and County land use designations, surrounding land uses and ownership, and existing airport operations and facilities. It also identifies and discusses environmental policy and regulatory

requirements relating to the 1993 OGG MP and current MP Update.

Chapter 3, Aviation and Passenger Forecast (2010-2035) – Analyzes historical air traffic activity and presents aviation demand forecasts through 2035 for passenger, cargo mail, and aircraft operations.

Chapter 4, Facility Requirements – Identifies airfield, terminal, airport access, and support facilities required to meet the projected aviation demands identified in **Chapter 3**.

Chapter 5, Airport Development Alternatives – Presents and evaluates alternative development concepts and plans to meet airfield, terminal, and access requirements.

Chapter 6, Master Plan – Presents the preferred development plan, ALP, airspace plan, and project cost estimate.

Chapter 7, Implementation Plan and Economic Implications – Presents a phased capital improvement project program plan and related cost data.

Chapter 8, References – Identifies the references used to prepare the MP Update.



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