



LAKE
HAVASU
CITY
MUNICIPAL
AIRPORT



LAKE HAVASU CITY Municipal Airport



AIRPORT MASTER PLAN



AIRPORT MASTER PLAN

for

**LAKE HAVASU CITY MUNICIPAL AIRPORT
Lake Havasu City, Arizona**

**Prepared for
LAKE HAVASU CITY**

**By
Coffman Associates, Inc.**

**In Association With
Z&H Engineering, Inc.**

**Approved by
Lake Havasu City Council
On
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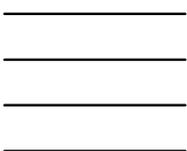
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INTRODUCTION



INTRODUCTION

The Lake Havasu City Municipal Airport Master Plan Study Update has been undertaken to evaluate the airport's capabilities and role, to forecast future aviation demand, and to plan for the timely development of new or expanded facilities that may be required to meet the demand. The ultimate goal of the Master Plan is to provide systematic guidelines for the airport's overall maintenance, development, and operation.

The Master Plan is intended to be a proactive document which identifies and then plans for future facility needs well in advance of the actual demand. As a result, Lake Havasu City can coordinate project approvals, design, financing, and construction in advance so as to avoid experiencing detrimental effects due to inadequate facilities.

An important result of the Master Plan is identifying and outlining specific development plans so that sufficient areas for future facility needs are reserved. This protects development areas and ensures they will be readily available when required to meet future aviation demand. The final product is a detailed development concept which outlines specific uses for all areas of airport property, including strategies for revenue enhancement.

The preparation of this Master Plan is evidence that Lake Havasu City recognizes the importance of the airport to the community and the associated challenges inherent in providing for its unique operating and improvement needs. The cost of maintaining an airport is an investment which yields impressive benefits to the community. With a sound and realistic Master



Plan, the Lake Havasu City Municipal Airport can maintain its role as an important link to the national air transportation system for the community and maintain the existing public and private investments in its facilities.

MASTER PLAN GOALS AND OBJECTIVES

The primary objective of the Lake Havasu City Municipal Airport Master Plan is to develop and maintain a financially feasible, long term development program which will satisfy aviation demand; be compatible with community development, other transportation modes, and the environment; and be a source of employment and revenue for the City and surrounding areas.

The accomplishment of this objective requires the evaluation of the existing airport and a determination of what actions should be taken to maintain an adequate, safe, and reliable airport facility to meet the air transportation needs of the area. The completed Master Plan will provide an outline of the necessary development for the next 20 years. As a result, responsible officials will have advance notice of future needs to aid in planning, scheduling, and budgeting.

Specific goals and objectives of the Lake Havasu City Municipal Airport Master Plan Update are:

- To preserve and protect public and private investments in existing airport facilities;

- To enhance the safety of aircraft operations;
- To be reflective of community and regional goals, needs, and plans;
- To ensure that future development is environmentally compatible;
- To establish a schedule of development priorities designed to meet forecast aviation demand;
- To develop a plan that is responsive to air transportation demands of the City and region as a whole;
- To develop an orderly plan for use of the airport;
- To meet Federal Aviation Administration (FAA) and Arizona Department of Transportation (ADOT) – Aeronautics Division airport design standards;
- To coordinate this Master Plan with local, regional, state, and federal agencies, and;
- To develop active and productive public involvement throughout the planning process.

The Master Plan will accomplish these goals and objectives by carrying out the following:

- Determining projected needs of airport users through the year 2027;
- Analyzing local and regional socioeconomic factors likely to affect air transportation demand for the airport;

- Identifying potential existing and future land acquisition needs;
- Evaluating future airport facility development alternatives which will optimize undeveloped airport property to promote capacity and aircraft safety;
- Developing a realistic, common-sense plan for the use and expansion of the airport;
- Presenting environmental considerations associated with any recommended development alternatives, and;
- Producing current and accurate airport base maps and Airport Layout Plan (ALP) drawings.
- Lake Havasu City Municipal Airport intends to seek general aviation and corporate business aviation based tenants and transient operations.
- The aviation industry on the national level will grow as forecast by the FAA in its annual Aerospace Forecasts.
- The socioeconomic characteristics in the Lake Havasu City Municipal Airport service area will continue to grow as forecast (see Chapter Two).
- Both federal and state grant-in-aid programs will be in place through the planning period to assist in funding capital development needs.

BASELINE ASSUMPTIONS

While the ultimate recommendations of this Master Plan have yet to be determined, a study such as this typically requires several baseline assumptions that will be used throughout this analysis. These baseline assumptions for this study are as follows:

- Lake Havasu City Municipal Airport will continue to operate as a publicly owned Title 14, Code of Federal Regulation (CFR), Part 139 certificated airport through the planning period.
- Lake Havasu City Municipal Airport will continue to pursue and accommodate commercial service activities.

MASTER PLAN ELEMENTS AND PROCESS

The Lake Havasu City Municipal Airport Master Plan Update is being prepared in a systematic fashion following FAA guidelines and industry-accepted principles and practices, as shown in **Exhibit IA**. The Master Plan has six chapters that are intended to assist in the discovery of future facility needs and provide the supporting rationale for their implementation.

Chapter One – Inventory summarizes the inventory efforts. The inventory efforts are focused on collecting and assembling relevant data pertaining to the airport and the area it

serves. Information is collected on existing airport facilities and operations. Local economic and demographic data is collected to define the local growth trends. Planning studies which have relevance to the Master Plan are also collected.

Chapter Two – Aviation Demand Forecasts examines the potential aviation demand at the airport. The analysis utilizes local socioeconomic information, as well as national air transportation trends, to quantify the levels of aviation activity which can reasonably be expected to occur at Lake Havasu City Municipal Airport through the year 2027. The results of this effort are used to determine the types and sizes of facilities which will be required to meet the projected aviation demand at the airport through the planning period.

Chapter Three – Airport Facility Requirements comprises the demand capacity and facility requirements analyses. The intent of this analysis is to compare the existing facility capacities to forecast aviation demand and determine where deficiencies in capacities (as well as excess capacities) may exist. Where deficiencies are identified, the size and type of new facilities to accommodate the demand are identified. The airfield analysis focuses on improvements needed to safely serve the type of aircraft expected to operate at the airport in the future, as well as navigational aids to increase the safety and efficiency of operations. This element also examines the terminal building, hangar, apron, and support needs.

Chapter Four – Airport Development Alternatives considers a variety of solutions to accommodate the projected facility needs. This element proposes various facility and site plan configurations which can meet the projected facility needs. An analysis is completed to identify the strengths and weaknesses of each proposed development alternative, with the intention of determining a single direction for development.

Chapter Five – Recommended Master Plan Concept provides both a graphic and narrative description of the recommended plan for the use, development, and operation of the airport. An environmental overview is also included that provides a review of the potential environmental impacts associated with proposed airport projects.

Chapter Six – Capital Improvement Program focuses on the capital needs program which defines the schedules, costs, and funding sources for the recommended development projects.

Appendix B – Airport Layout Drawings includes the official Airport Layout Plan (ALP) and detailed technical drawings depicting related airspace, land use, and property data. These drawings are used by the FAA and ADOT in determining grant eligibility and funding.

COORDINATION

The Lake Havasu City Municipal Airport Master Plan Update is of interest

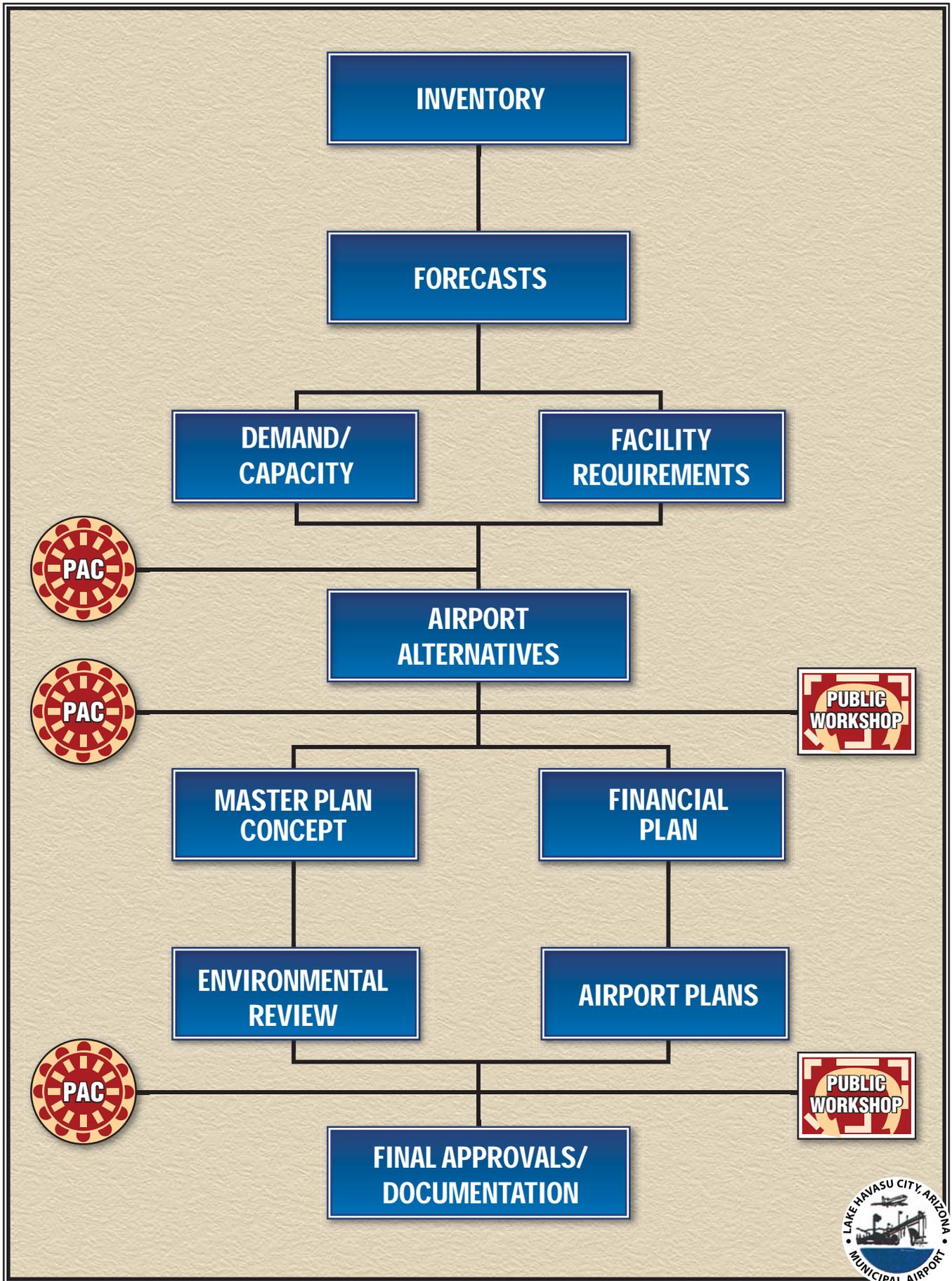


Exhibit IA
PROJECT WORK FLOW

to many within the local community. This includes local citizens, community organizations, airport users, airport tenants, area-wide planning agencies, and aviation organizations. As an important component of the regional, state, and national aviation systems, Lake Havasu City Municipal Airport is of importance to both state and federal agencies responsible for overseeing air transportation.

To assist in the development of the Master Plan, the City identified a group of community members and aviation interest groups to act in an advisory role in the development of the Master Plan. Members of the Planning Advisory Committee (PAC) reviewed phase reports and provided comments throughout the study to help ensure that a realistic, viable plan was developed.

To assist in the review process, draft phase reports were prepared at various milestones in the planning process. The phase report process allowed for timely input and review during each step within the Master Plan to ensure that all Master Plan issues were fully addressed as the recommended program developed.

The information completed was presented to the public via open-house workshops. The workshops gave the public an opportunity to view the working materials, ask questions, and provide feedback with the consultant, airport administration, and city officials. Notices of meeting times and locations were advertised through the media. The draft phase reports were also made available to the public on the Coffman Associates' website at www.coffmanassociates.com.

CONCLUSION

The Master Plan is evidence that Lake Havasu City is committed to maintaining a first-class aviation facility capable of providing passenger, cargo, and general aviation service. The City recognizes the importance of Lake Havasu City Municipal Airport to the community and the region, as well as the associated challenges inherent in providing for aviation needs in a growing regional environment. Maintaining a sound, flexible Master Plan will facilitate continued growth of the airport as a major economic asset for the community.