

CITY of PHOENIX  
AVIATION DEPARTMENT



**PHOENIX SKY HARBOR  
INTERNATIONAL AIRPORT  
MASTER PLAN UPDATE**

**TECHNICAL REPORT**

Howard Needles Tammen & Bergendoff

**CITY OF PHOENIX AVIATION DEPARTMENT**

**Phoenix Sky Harbor International Airport  
Master Plan Update**

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**September 1989**

**HOWARD NEEDLES TAMMEN & BERGENDOFF**

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### Chapter XVI

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## INTRODUCTION

The last master plan for Phoenix Sky Harbor International Airport was prepared in the early 1980's and was approved by City Council in 1983. The period since then has been one of dynamic change for Sky Harbor, a result both of the structural changes in the airline industry which occurred after deregulation in 1979, and of the rapid economic growth in the state and region. Proposals made in the earlier plan were accelerated to meet these unanticipated activity levels, and the special requirements created by hubbing airlines. In 1987, the City determined that a new overview of the airport and its needs should be undertaken. In the Fall of 1987, the firm of Howard Needles Tammen & Bergendoff (HNTB) was commissioned to undertake this important study.

The work was organized around a series of working papers prepared at each of the key stages of the study. These interim publications provided a regular opportunity for City staff, the Airport Advisory Board, the FAA, community interest groups, and airport users to review and comment on the plans as they were developed. The working papers published were:

- Program Objectives
- Inventory and Forecasts
- Facility Requirements
- Concepts
- Development Costs

This technical report includes most of the materials presented in these working papers, updated and amended to reflect comments received during the review process and to incorporate developments which have occurred over the last two years of planning.

This report is designed to meet the needs of an audience interested in the details of the program and the methodologies which were used in the planning process. Companion volumes, one a summary of this report and the other a brochure targeted for general distribution, were published simultaneously with this report.

The recommendations and conclusions presented in this report are the judgments of HNTB, but in delivering this document to the City, acknowledgments must be made of the vital contribution by staff, agencies and policy-makers.