

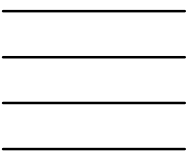
CONTENTS

SAN LUIS OBISPO COUNTY REGIONAL AIRPORT San Luis Obispo, California

Airport Master Plan

Chapter One INVENTORY

AIRPORT SETTING.....	1-1
Climate	1-2
AIRPORT HISTORY AND ADMINISTRATION.....	1-3
AIRPORT SYSTEM PLANNING ROLE.....	1-4
AIRPORT FACILITIES	1-5
Airside Facilities	1-6
Landside Facilities	1-9
ENROUTE NAVIGATION AND AIRSPACE.....	1-13
Instrument Approach Procedures	1-14
Area Airports	1-16
LAND USE REGULATIONS	1-17
SOCIOECONOMIC CHARACTERISTICS.....	1-18
Population.....	1-18
Employment	1-19
Income.....	1-21
SUMMARY.....	1-21
DOCUMENT SOURCES	1-21



Chapter Two

FORECASTS

NATIONAL AVIATION TRENDS	2-1
Commercial Aviation.....	2-2
Regional/Commuter Airlines	2-3
General Aviation	2-4
FORECASTING APPROACH	2-6
AIRPORT SERVICE AREA.....	2-7
AVIATION ACTIVITY FORECASTS	2-8
Commercial Service.....	2-8
Air Cargo	2-14
General Aviation	2-15
Peaking Characteristics	2-23
Annual Instrument Approaches	2-24
SUMMARY.....	2-25

Chapter Three

FACILITY REQUIREMENTS

AIRFIELD REQUIREMENTS	3-2
Airfield Design Standards	3-5
AIRFIELD CAPACITY	3-5
Factors Affecting Annual Service Volume	3-7
Calculation of Annual Service Volume.....	3-11
AIRSIDE FACILITIES	3-12
Runway Requirements.....	3-12
Taxiways.....	3-16
Airfield Marking, Lighting, and Signage	3-16
Navigational and Approach Aids.....	3-17
LANDSIDE REQUIREMENTS.....	3-19
Terminal Area Requirements	3-20
GENERAL AVIATION REQUIREMENTS	3-22
Hangars	3-22
Aircraft Parking Apron	3-24
SUPPORT REQUIREMENTS.....	3-24
Aircraft Rescue and Firefighting.....	3-24
Airport Maintenance/Storage Facilities	3-25
Fuel Storage	3-25
SUMMARY.....	3-25

Chapter Four

AIRPORT DEVELOPMENT ALTERNATIVES

NON-DEVELOPMENT ALTERNATIVES	4-2
RECENT AIRPORT IMPROVEMENTS	4-2
REGIONAL JET EFFECTS	4-2
CONCURRENT PLANNING EFFORTS	4-3
CURRENT DEVELOPMENT ISSUES	4-4
AIRFIELD DESIGN CONSIDERATIONS	4-5
Runway 11-29	4-6
Runway 7-25	4-8
TAXIWAY CONSIDERATIONS	4-9
AIRPORT TRAFFIC CONTROL TOWER	
SITING CONSIDERATIONS	4-9
SUMMARY OF AIRFIELD ALTERNATIVES	4-10
GENERAL AVIATION DEVELOPMENT	
ALTERNATIVES	4-11
NEW PASSENGER TERMINAL COMPLEX	4-13
LAND ACQUISITION CONSIDERATIONS	4-14
FUTURE LAND USE DESIGNATIONS	4-14
SUMMARY	4-15

Chapter Five

RECOMMENDED MASTER PLAN

CONCEPT AND FINANCIAL PLAN

AIRPORT DESIGN STANDARDS	5-2
THE MASTER PLAN CONCEPT	5-6
UPDATED AIRPORT LAYOUT PLAN DRAWINGS	5-8
AIRPORT DEVELOPMENT SCHEDULE	
AND COST SUMMARIES	5-8
CAPITAL IMPROVEMENTS FUNDING	5-9
Federal Grants	5-9
Passenger Facility Charges	5-12
State Funds	5-12
Airport Operating Fund/Future Revenue Sources	5-13

EXHIBITS

1A	LOCATION MAP	after page 1-2
1B	EXISTING AIRSIDE FACILITIES	after page 1-6
1C	EXISTING LANDSIDE FACILITIES.....	after page 1-10
1D	TERMINAL BUILDING LAYOUT.....	after page 1-10
1E	AREA AIRSPACE	after page 1-14
2A	FORECAST PASSENGER ENPLANEMENTS.....	after page 2-4
2B	U.S. ACTIVE GENERAL AVIATION AIRCRAFT FORECASTS	after page 2-6
2C	AIRLINE SERVICE HISTORY	after page 2-10
2D	ENPLANEMENT FORECAST SUMMARY	after page 2-14
2E	BASED AIRCRAFT FORECAST SUMMARY	after page 2-20
2F	FORECAST SUMMARY.....	after page 2-25
3A	AIRPORT REFERENCE CODES.....	after page 3-4
3B	AIRFIELD CAPACITY FACTORS.....	after page 3-8
3C	PASSENGER TERMINAL BUILDING REQUIREMENTS.....	after page 3-20
4A	AIRFIELD ALTERNATIVE A (6,200 FT. – RUNWAY 11-29, STANDARD RSA)	after page 4-6
4B	AIRFIELD ALTERNATIVE B (6,300 FT. – RUNWAY 11-29, STANDARD EMAS).....	after page 4-8
4C	AIRFIELD ALTERNATIVE C (6,500 FT. – RUNWAY 11-29, DECLARED DISTANCES.....	after page 4-8
4D	AIRFIELD ALTERNATIVE D.....	after page 4-8
4E	LANDSIDE ALTERNATIVE A	after page 4-12
4F	LANDSIDE ALTERNATIVE B	after page 4-12
4G	FUTURE LAND USE CONCEPT	after page 4-15
5A	MASTER PLAN CONCEPT	after page 5-2

Appendix A GLOSSARY OF TERMS AND ABBREVIATIONS

Appendix B
AIRPORT AND RUNWAY DATA

Appendix C
AIRPORT LAYOUT DRAWINGS

Appendix D
ECONOMIC BENEFIT ANALYSIS