



SANTA BARBARA AIRPORT

MASTER PLAN UPDATE

April 2023



The SBA Team



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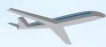
Brian Mohr
National Planning Practice Lead



Presentation Summary

- Background
- Technical Progress
- Stakeholder Engagement
- Next Steps





Project Background

- 2017 Master Plan
- Master Plan Updates are for commercial service airports conducted every five to 10 years
- 20-year planning horizon
- Updated Master Plan based on 2011-2022 data
- Changing conditions to region and industry
- The Master Plan Update document provides the airport with a clear path forward



What is a Master Plan?

A Master Plan IS...

A 20-year plan
Completed about every 10 years

A document that looks at
Capital Improvement Projects and Land Use
Compatibility

Sponsored by the Federal Aviation Administration
(FAA)

and needs to meet standards to justify funding

Focused on planning for long-term development
potential





What is a Master Plan?

A Master Plan IS NOT...

A business plan or marketing plan

A wish list or funding guarantee

A binding document

A document that sets policies or rates

An engineering-level document

A rigid “blue-print” for future development





Master Plan Goals

PREPARE

Prepare the airport for coming trends in aviation and identify the 20-year forecast for aviation activity

PROMOTE

Promote airport financial resiliency

ADDRESS

Balance airport facility needs with continuing protection of the Goleta Slough

INVOLVE

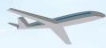
Involve on- and off-airport stakeholders in the Master Plan process



Guiding Principles

- Safety and Security
- Economic Vitality
- Transportation Diversity
- Community
- Sustainability
- Environmental Preservation
- Cultural Resource Protection





Scope – Recap of Major Deliverables

- Project Kickoff (Airport Commission)
- Public Outreach and Engagement
- Research and Analyze Existing Conditions
- Conceptual Designs
- Implementation Plan
- Noise Analysis
- Decision Maker Hearings

Summer 2022

Fall/Winter
2022

Spring 2023

Summer 2023

Fall 2023

We are here

Inventory

What do we have?

Environmental
Overview

What are the environmental features?

Aviation
Forecasts*

What demand do we expect?

Facility
Requirements

Can we meet expected demand?

Alternatives

What do we need to change to meet demand?

Land Use
Planning

How do we achieve compatible land use?

Financial
Feasibility

How do we pay for these changes?

Airport
Layout Plan*

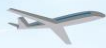
What will these changes look like?

Stakeholder Coordination & Public Outreach

* Denotes elements that require FAA approval

Input
Committees
(4x)

Public
(3x)

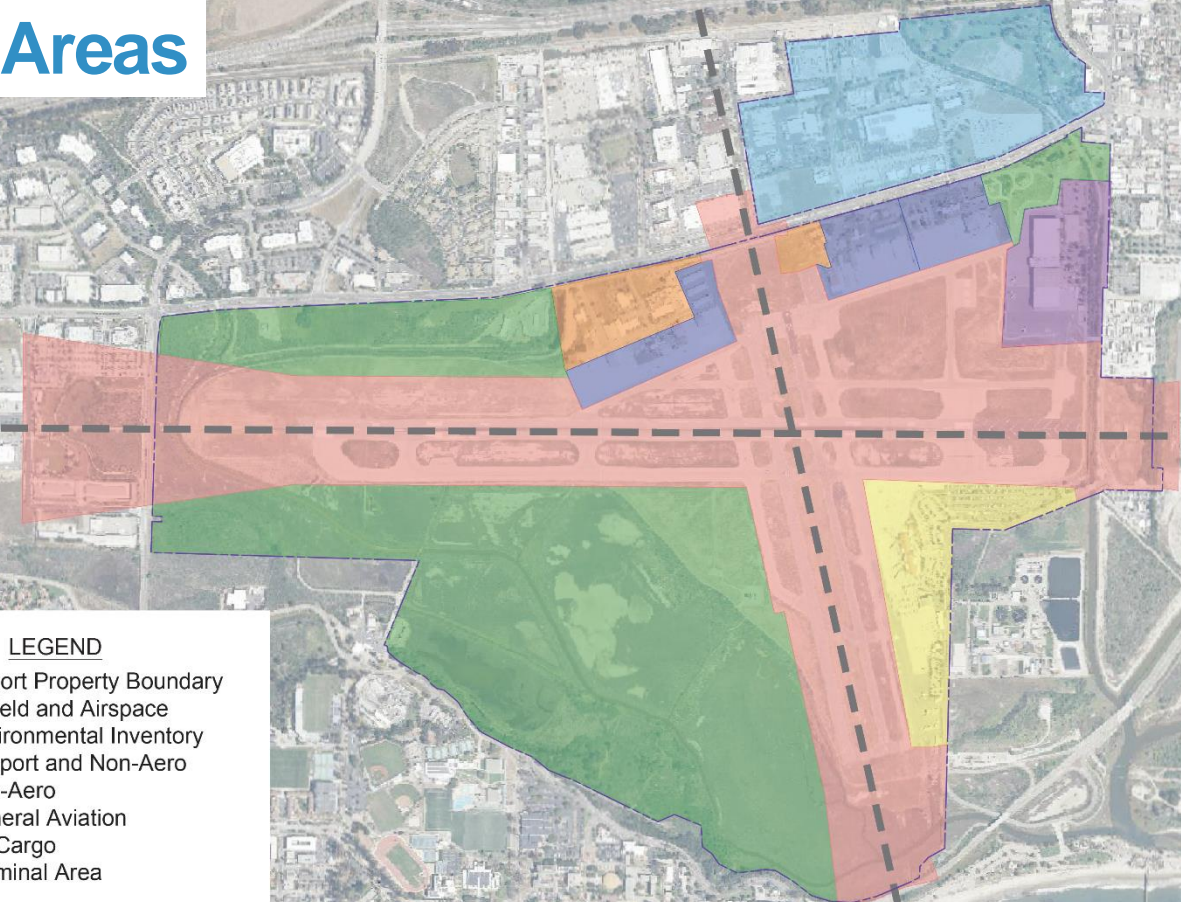


Master Plan Central Questions

- How busy will the airport be in 20 years?
- What are the future trends and challenges in aviation?
- What are the Terminal Facility needs?
- Are the existing facilities sufficient?
- What are the vehicle access and parking needs?
- What are the highest and best uses for the airport property?
- What opportunities are there for revenue generation?
- What are the economic development and land use opportunities?

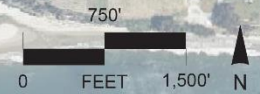


Study Areas



LEGEND

- Airport Property Boundary
- Airfield and Airspace
- Environmental Inventory
- Support and Non-Aero
- Non-Aero
- General Aviation
- Air Cargo
- Terminal Area





20-Year Forecast

ANNUAL PASSENGERS INCREASING

1.2 M → 1.8M



MORE OPERATIONS

BY AIR CARRIERS OVER THE NEXT 20 YEARS

INCREASING FROM 10K TO 18K



BASED AIRCRAFT

INCREASING FROM 141 to 185
DRIVEN BY JET AIRCRAFT AS WELL AS SINGLE- AND
MULTI-ENGINE PISTON AIRCRAFT



GENERAL AVIATION

OPERATIONS STABLE BUT GROWING

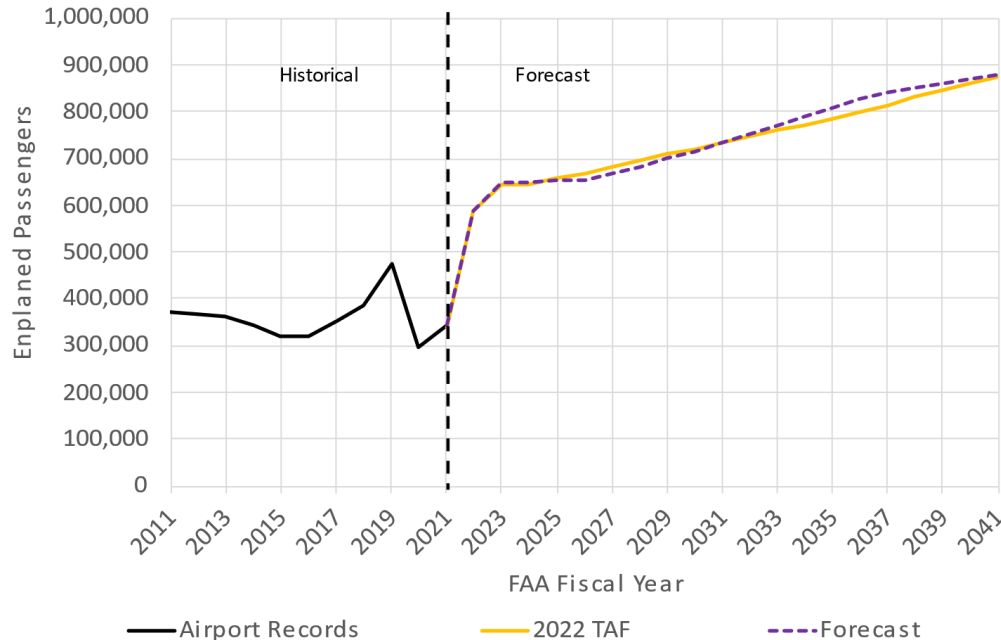
CRITICAL AIRCRAFT

737-800 ARC D-III





Enplaned passengers are projected to grow at 4.8% from 2021 to 2041



Enplanements are revenue passenger (paying passengers) boarding aircraft (includes originations and transfers)

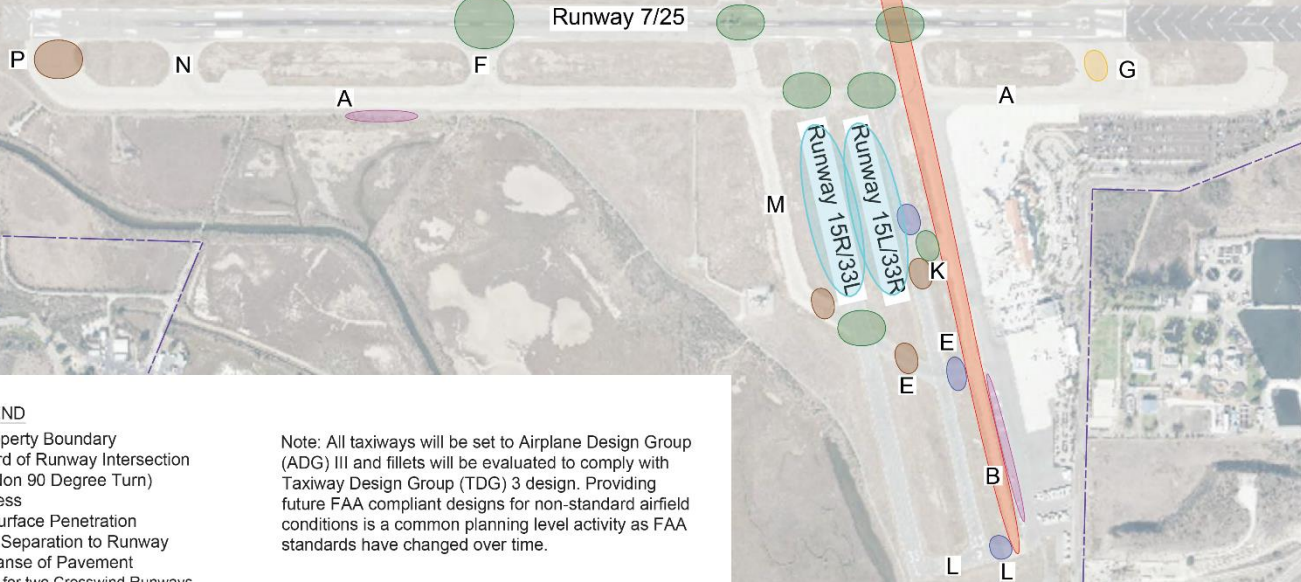
CAGR	Forecast	2022 TAF
2011-2021	-0.8%	-0.91%
2021-2041	4.8%	4.9%

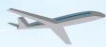


Forecast Summary

Fiscal Year	Historical		2022 ACTUAL	Forecast		21-'41 CAGR
	2011	2021		2031	2041	
Enplanements	370,233	342,669	600,000 or 1.2 million passengers	732,500	878,700	4.8%
Operations	106,696	103,419	N/A	113,735	116,655	0.6%
Air Carrier	4,040	10,328		16,100	17,900	2.8%
Air Taxi	22,730	12,311		14,100	13,700	0.5%
Itinerant GA	42,810	42,258		44,260	45,020	0.3%
Local GA	35,751	36,695		37,680	38,440	0.2%
Subtotal GA	78,561	78,953		81,940	83,460	0.3%
Military	1,365	1,827		1,595	1,595	-0.7%
Based Aircraft	202	141		167	185	1.4%
Single Engine Piston	145	104		115	115	0.5%
Jet	29	25		33	44	2.9%
Multi Engine Piston	22	8	13	17	3.9%	
Helicopter	6	2	4	7	6.5%	
Other	0	2	2	2	0.0%	

Nonstandard Conditions





Other Facilities Identified for Siting and Planning

- Taxiway geometric improvements/modifications to meet current FAA design standards
- Crosswind runway consolidation
- Replacement Airport Traffic Control Tower
- Hangars and based aircraft accommodation
- Terminal improvements
- Landside access and parking
- Expansion of fuel facilities



Other Facilities Identified for Siting and Planning

- Airport administration relocation
- Vertiport for Electric Vertical Takeoff and Landing aircraft
- Electric charger infrastructure to support electric aircraft
- Cargo apron design for change in aircraft type
- Aircraft Rescue and Firefighting facilities and equipment to accommodate changes in future aircraft fleet
- Drainage improvements
- Obstruction removal based on airspace analysis



Other Ongoing Airport Studies

**Terminal Improvement Project
(Corgan)**

**General Aviation Redevelopment
(Jacobs)**

Southfield Redevelopment

**Drainage Master Plan Update
(Mead and Hunt)**

**Sea-Level Rise Adaptation Plan
(ESA)**

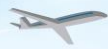
**Airfield Marking Signage and
Lighting**



Next Steps

- Finalize Facility Requirements
- Alternatives Analysis
- Land Use Planning Input
- Additional Public Outreach





Other Meetings this week

City Council
April 18, 2023

2:00 PM
City Hall
Council Chambers
735 Anacapa Street
Virtual and In-person

Airport Commission
April 19, 2023

6:00 PM
Santa Barbara Airport
Administration Building
601 Firestone Road
Santa Barbara, CA 93117

SBA Master Plan Update
Open House
April 20, 2023

4:00 pm to 6:00 pm
Santa Barbara Airport
Administration Building
601 Firestone Road
Santa Barbara, CA 93117

Technical Input Committee &
Community Input Committee
April 19, 2023



Future Meetings

Input Committee

Public Meeting

Input Committee

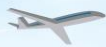
Public Meeting

Spring 2023
Alternatives

Spring 2023
Alternatives

Summer 2023
Land Use Planning

Fall 2023
Airport Layout Plan



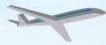
Questions?

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Sign-up for project updates: flysba.com/MPU



Thank you.

