
**STRATEGIC
DEVELOPMENT
PLAN**



SAAS

San Antonio Airport System

Airport Strategic Development Plan Update - Phase 2

Transportation and Mobility Committee
February 17, 2020

Presented by Jesus Saenz, Director of Airports
John vanWoensel, Project Manager, WSP (Consultant Team)

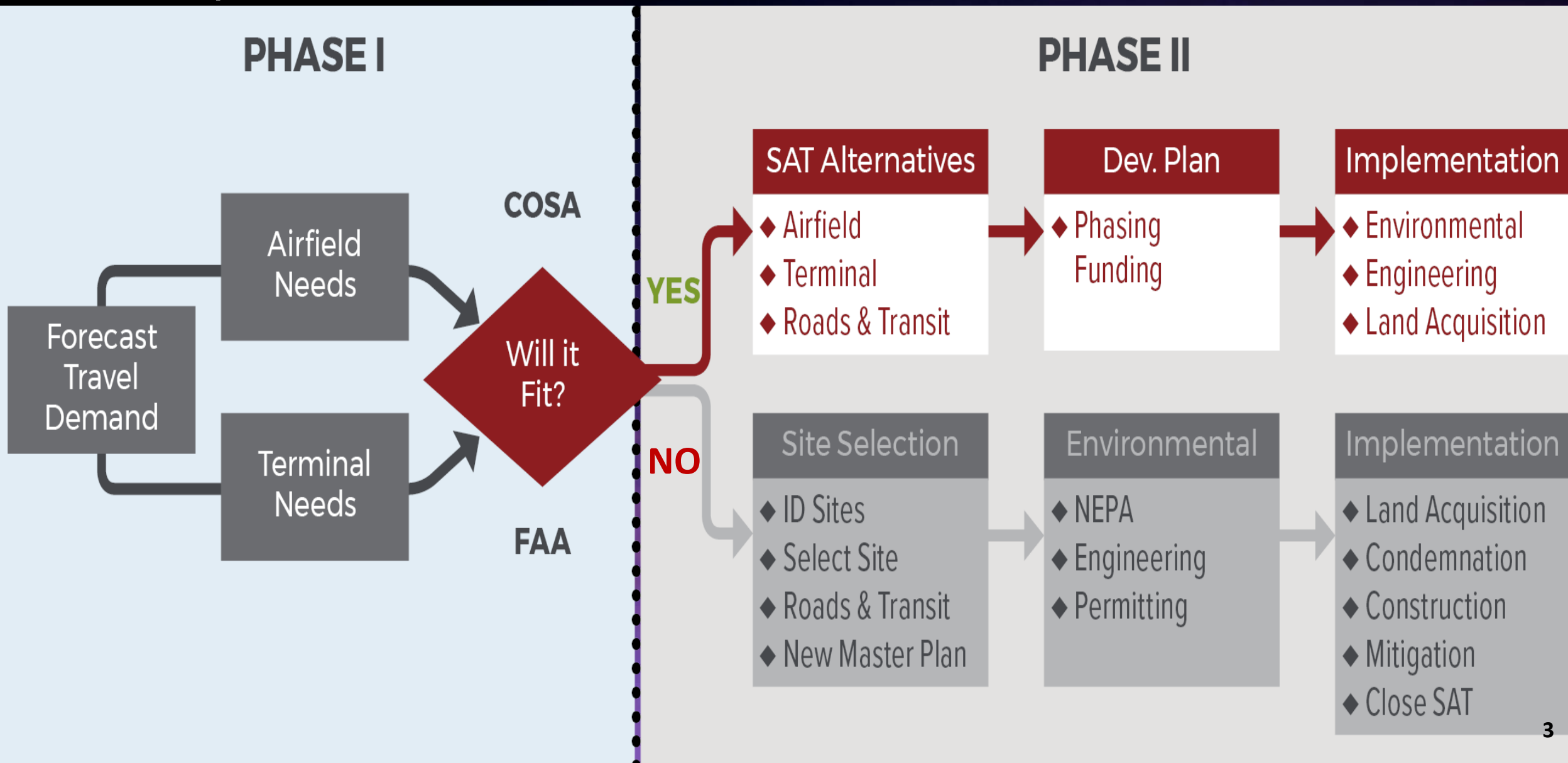
SAAS Strategic Development Plan



10 Million Passengers - 2018

Long-Term at the Airport

Recap of SAT SDP Phase 1



Airport System Development Committee (ASDC)

- Provide strategic guidance for Aviation system development to promote and support future growth of the city and region in a sustainable and fiscally responsible manner by leveraging current and available resources to enhance the prosperity of the region

Airport System Development Committee

- John B. Dickson, Principal, The Denim Group (Chair)
- John Agather, Broker, KW Realty
- Jorge Canavati, Principal, J. Canavati & Co.
- Dirk Elmendorf, Co-Founder, Rackspace
- Mark Fessler, President, Millionair-SA
- Jason Fraser, VP-Public Policy & Strategic Planning, Valero
- Marina Gavito, Innovation Business Development Director, USAA
- Mike Gibbs, SVP-Gen. Counsel, Whataburger
- Paula Gold-Williams, CEO, CPS Energy
- Harvey Howell, President, H.H. Howell, Inc.
- Raul Lomeli, Chairman, Saber Es Poder

Airport System Development Committee

- Kim Lubel, Corp. Board Member, Various Entities
- Casandra Matej, President and CEO, Visit San Antonio
- Gabriele Niederauer, PhD, President and CEO, Blue Grass Vascular
- Jim Perschbach, President and CEO, Port San Antonio
- Todd Piland, EVP-Real Estate, H-E-B
- Gen. Edward Rice (USAF ret.), Senior EVP, Partners for Community Change, United Way
- Maj. Gen. Angie Salinas (USMC ret.), CEO, Girl Scouts of SWTX
- Rosa Santana, Founder/CEO, Santana Group
- Randy Smith, President, Weston Urban
- Scott Syamken, Vice President, Corporate Real Estate and Workplace Services, USAA

Phase 1 Overview

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STRATEGIC DEVELOPMENT PLAN

- Stakeholder Engagement
- Existing Conditions
- Pavement Management Plan
- Aviation Demand Forecasts
- Roadway Demand Projects and Needs
- 2012 Economic Impact Study Update
- Facility Requirements

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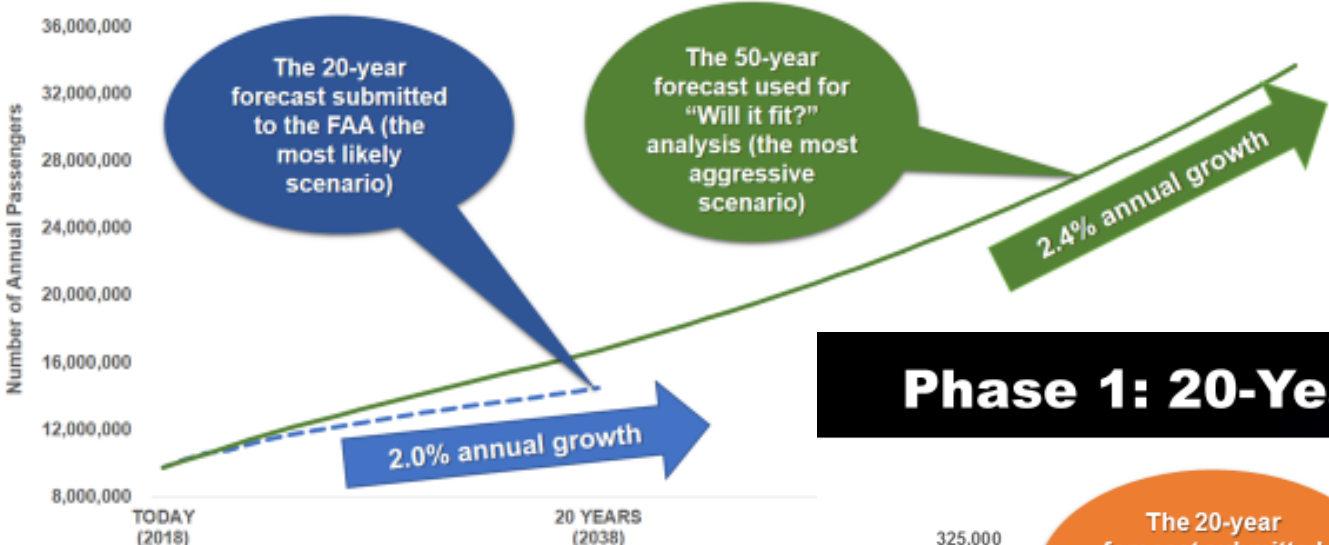
Phase 1 Pop Up Meetings & Open Houses

Location	Council District	Date
Airport- TA/TB Baggage Level	9	Wednesday, August 15, 2018
Morgan's Wonderland	10	Thursday, August 16, 2018
Houston Street "Lunch Break" Event	1	Friday, August 17, 2018
Mission Marquee Art & Farmers Mkt.	3	Saturday, August 18, 2018
Phil Hardberger Park (Blanco gate)	8	Thursday, August 23, 2018
Woodlawn Lake Park	7	Saturday, August 25, 2018
Lincoln Park Splash Pad	2	Saturday, August 25, 2018
Young Professionals Mixer- Cherrity Bar	2	Tuesday, August 28, 2018
Pearsall Park	4	Saturday, September 1, 2018
Airport- CONRAC Lobby	9	Thursday, September 6, 2018
Aeros & Autos Event- Stinson	3	Saturday, October 6, 2018
District 2 Senior Center	2	Monday, October 22, 2018
El Progreso Hall- Avenida Guadalupe	5	Tuesday, October 23, 2018
Stinson Municipal Airport	3	Wednesday, October 24, 2018
Jewish Community Center	9	Thursday, October 25, 2018



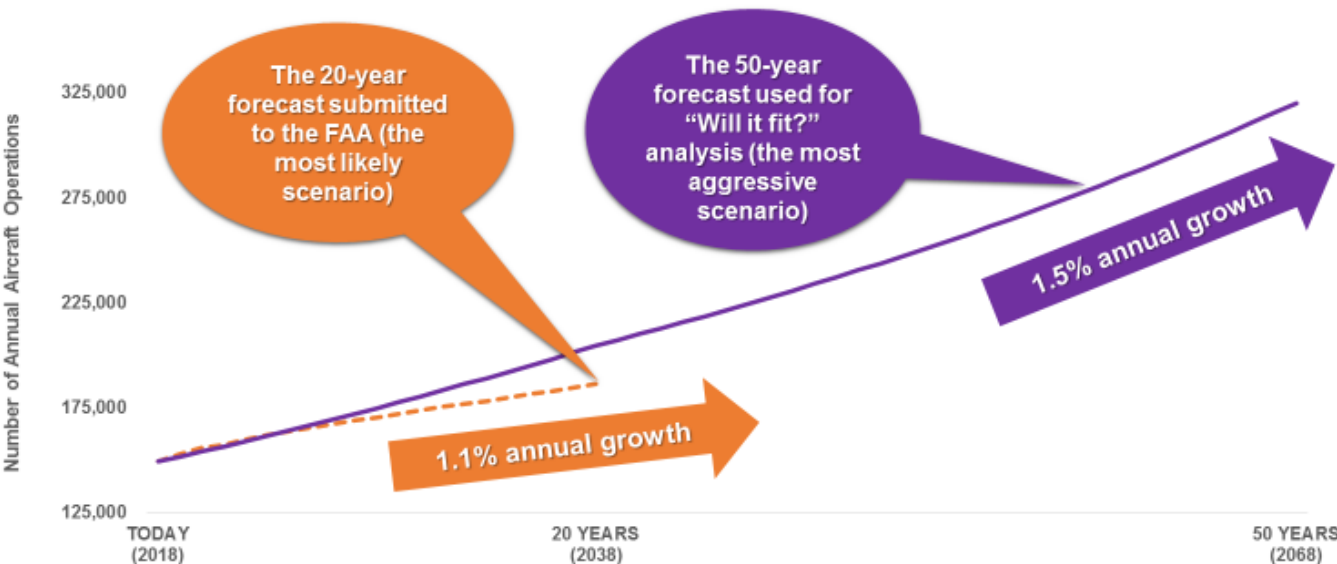
Phase 1: 20-Year Passenger Forecast

SAT Passenger Growth Forecast



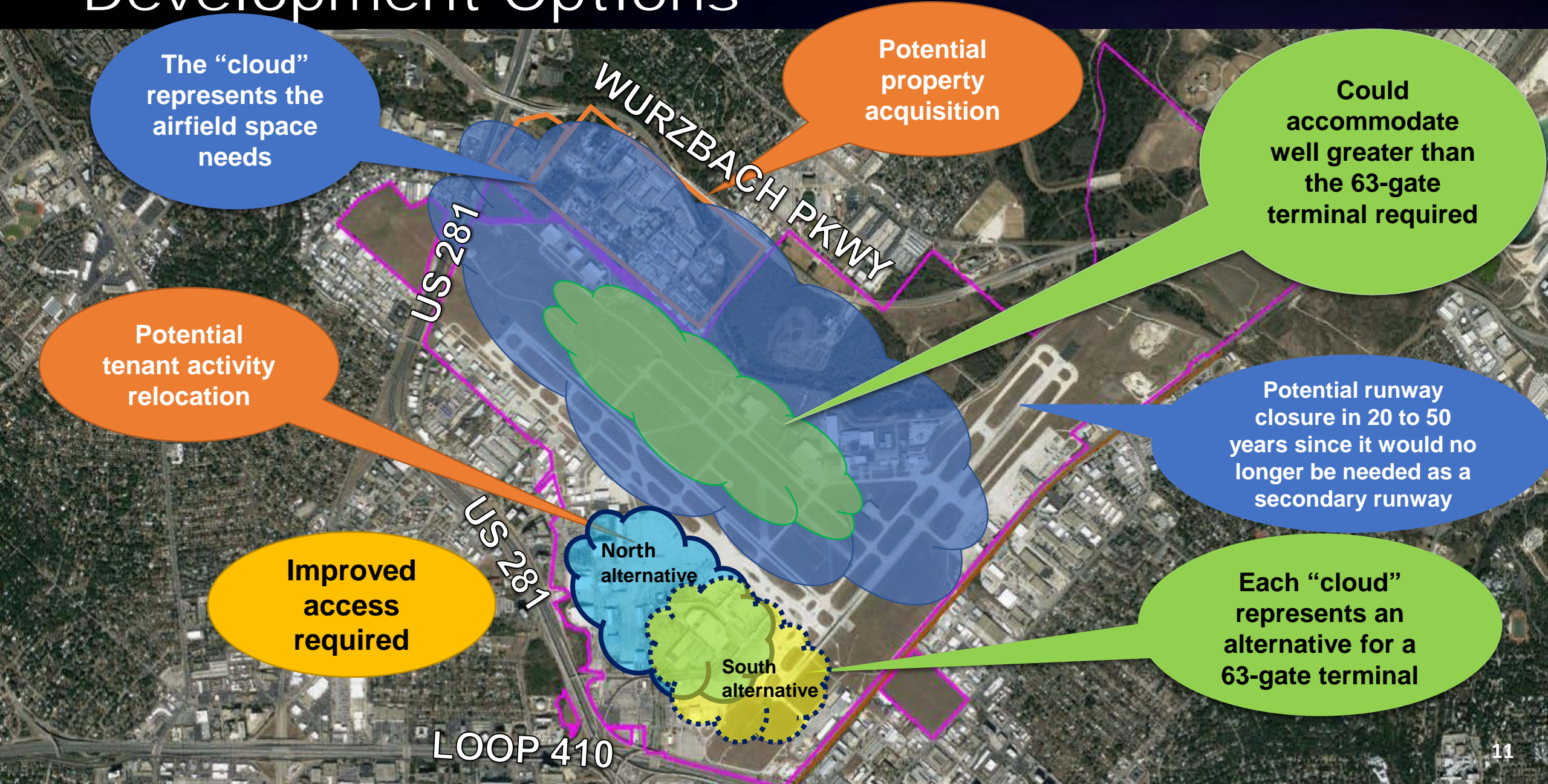
This forecast includes a range of possible outcomes, using a base forecast that was submitted to the FAA, to a high growth forecast of 2.4 year used for the 50-year Strategic Development Plan.

Phase 1: 20-Year Aircraft Operations Forecast



This forecast includes a range of possible outcomes, using a base forecast of 1.1% annual growth that was approved by the FAA, to a high growth forecast of 1.5% annual growth per year used for the 50-year Strategic Development Plan.

Development Options



Phase 2 Overview

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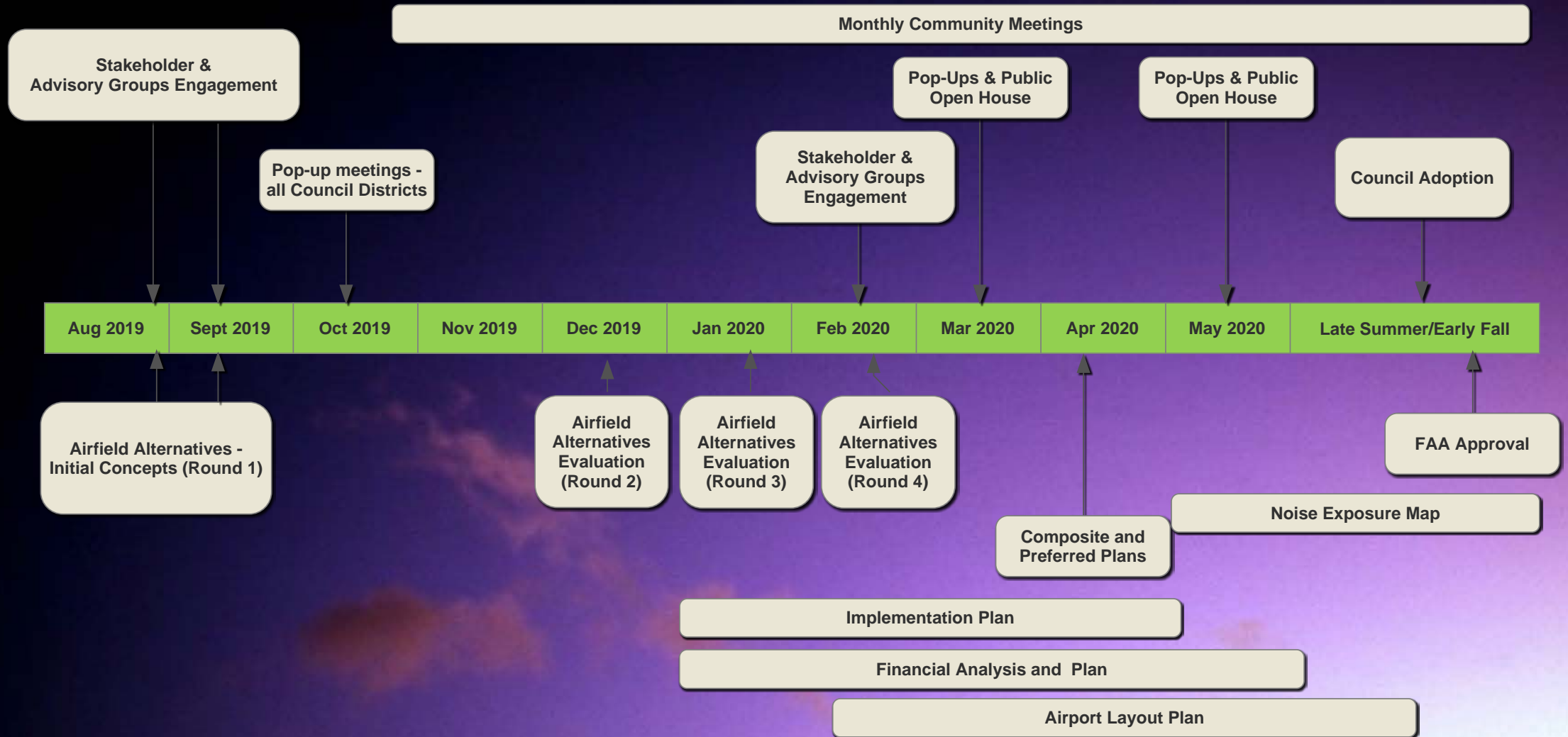
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Phase 2 New Tasks

- Alternatives Development and Evaluation
- Renewal and Replacement Analysis and Plan Development
- Implementation Plan
- Financial Analysis/Coordination
- Airport Layout Plan Development
- Environmental Overview
- Master Plan Documentation
- Noise Exposure Map Update

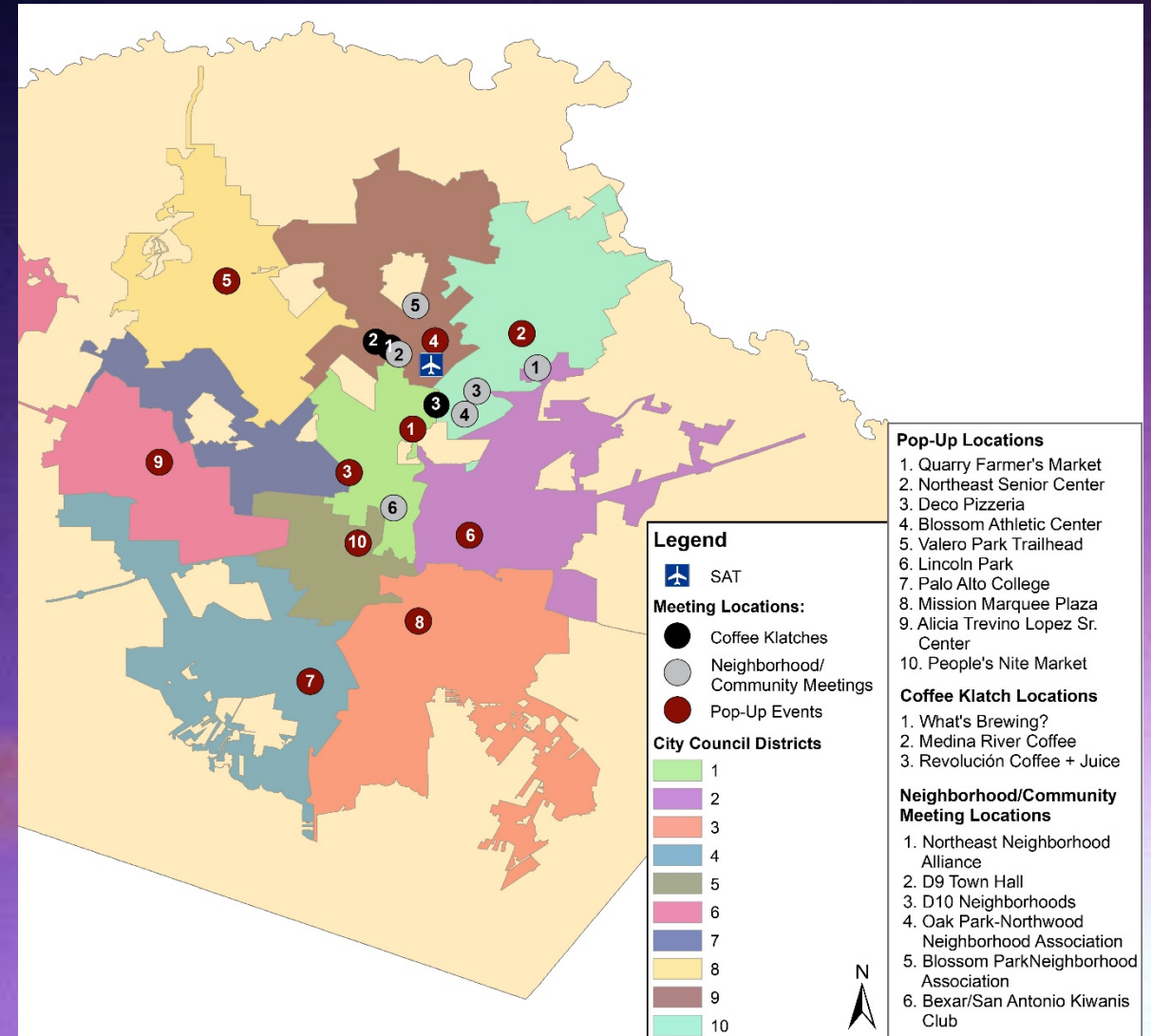


Phase 2 Timeline



Phase 2 Process: Stakeholder Engagement

- Advisory Groups — continued from Phase 1
- Open Houses
- Sketch Planning
- Pop-up Meetings
- Agency & Community Meetings
- Media and Website
- Surveys
- Council Member Engagement
- Neighborhood Meetings



Phase 2 Pop Up & Community Meetings

Location	Council District	Date
Quarry Farmer's Market	1	Saturday, October 13, 2019
Northeast Senior Center	10	Monday, October 14, 2019
Deco Pizzeria Karaoke Night	7	Tuesday, October 15, 2019
Blossom Athletic Center	9	Friday, October 18, 2019
Leon Creek Greenway System	8	Saturday, October 19, 2019
Lincoln Park- Halloween Event	2	Saturday, October 26, 2019
Palo Alto College- Student Center	4	Tuesday, October 29, 2019
Mission Marquee Plaza	3	Saturday, November 2, 2019
Alicia Trevino Lopez Senior Center	6	Tuesday, November 5, 2019
People's Nite Market	5	Thursday, November 7, 2019
What's Brewing Coffee Roasters	9	Wednesday, November 13, 2019
Medina River Coffee	9	Wednesday, December 11, 2019
Revolución Coffee	10	Thursday, January 30, 2020



Phase 2 Neighborhood & Community Mtgs.

Location	Council District	Date
Northeast Neighborhood Alliance*	9/10	9/16/2019
District 9 Town Hall	9	9/24/2019
District 10 Airport Neighborhoods	10	9/30/2019
Oak Park/Northwood NA	10	10/17/2019
Blossom Park NA	9	1/29/2020
D9 Neighborhood Alliance*	9	2/26/2020
Northside Neighborhoods for Organized Development*	8	3/9/2020
D10 Town Hall	10	3/16/2020
D9 Town Hall	9	5/28/2020
Tier One Neighborhood Coalition*	1	Pending



**Represented in Stakeholder Working Group*

Airfield Alternatives Development & Evaluation Process

Round
01

Development of alternative airfield options placing runways in multiple locations to suit 20 and 50 year needs for the airport.

Round
02

Review of comparative costs, major environmental concerns, ease of implementation, and operational flexibility. Review of long-term flexibility, ease of phasing, comparative cost, and financial feasibility.

Round
03

Final review of airfield alternatives modification, aviation safety, noise contour analysis, and drainage analysis. Evaluation of terminal including passenger convenience and experience, constructability, interface with aircraft, connections with ground access.

Round
04

Preferred airfield alternatives (two or three) will be matched with the final terminal alternatives.

Composite

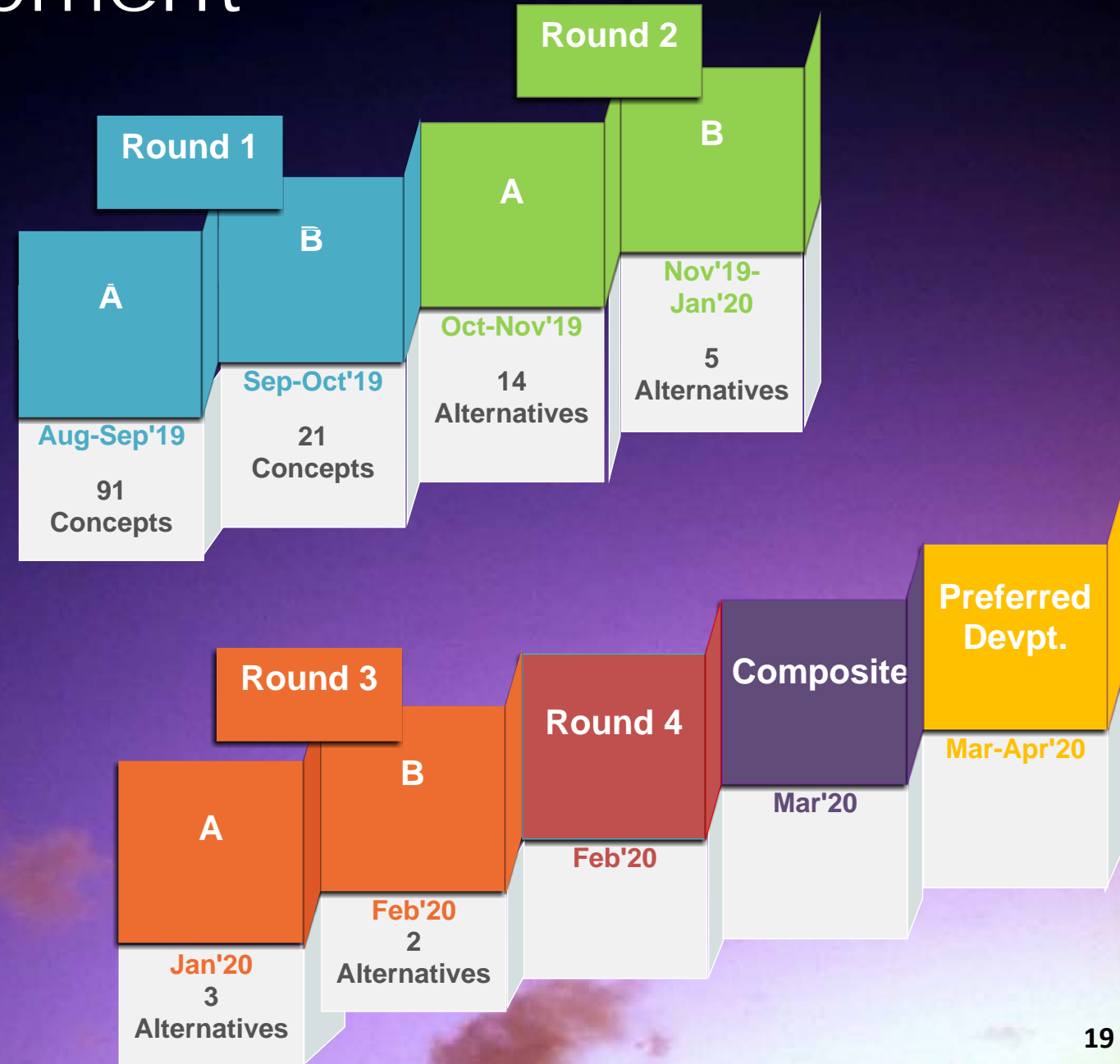
Preferred
Development
Plan

Develop overall composite alternatives for all airport functional areas, combining the preferred airfield and terminal alternatives with the preferred access and support alternatives.

Will illustrate SAT's proposed projects for the 20-year planning period and will depict proposed airfield, terminal, access, support, and tenant facilities, and include high-level phasing for the 6, 10, and 20-year planning periods.

Alternatives Development Process Timeline

- Technical stakeholders and partners participated in Round 1 development of alternatives.
- 91 alternatives were developed during the sessions.
- Alternatives were eliminated or moved to the next level based on “Flaws” or “Merits” of the alternative.



Airfield Alternatives Evaluation Factors

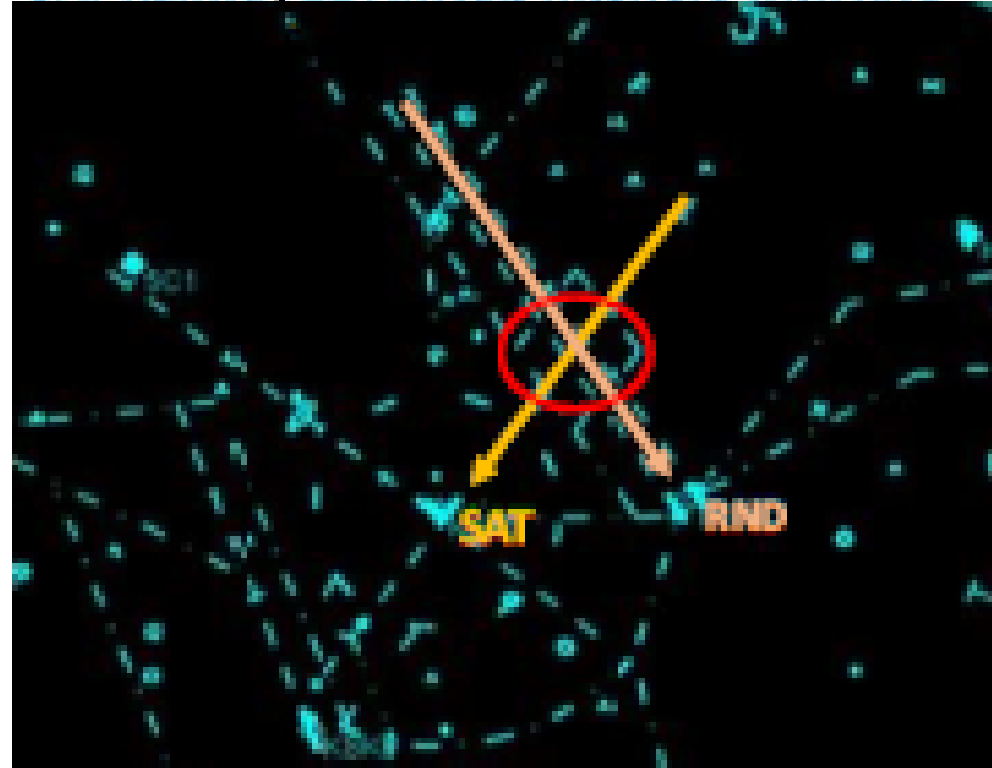
- Operationally Feasible
- Technically Feasible
- Community Considerations
- Environmental Considerations
- Financially Feasible

Conflicts with Randolph AFB

SAT Runway 4 Departures Interfere with RND



SAT Runway 22 Arrivals Interfere with RND

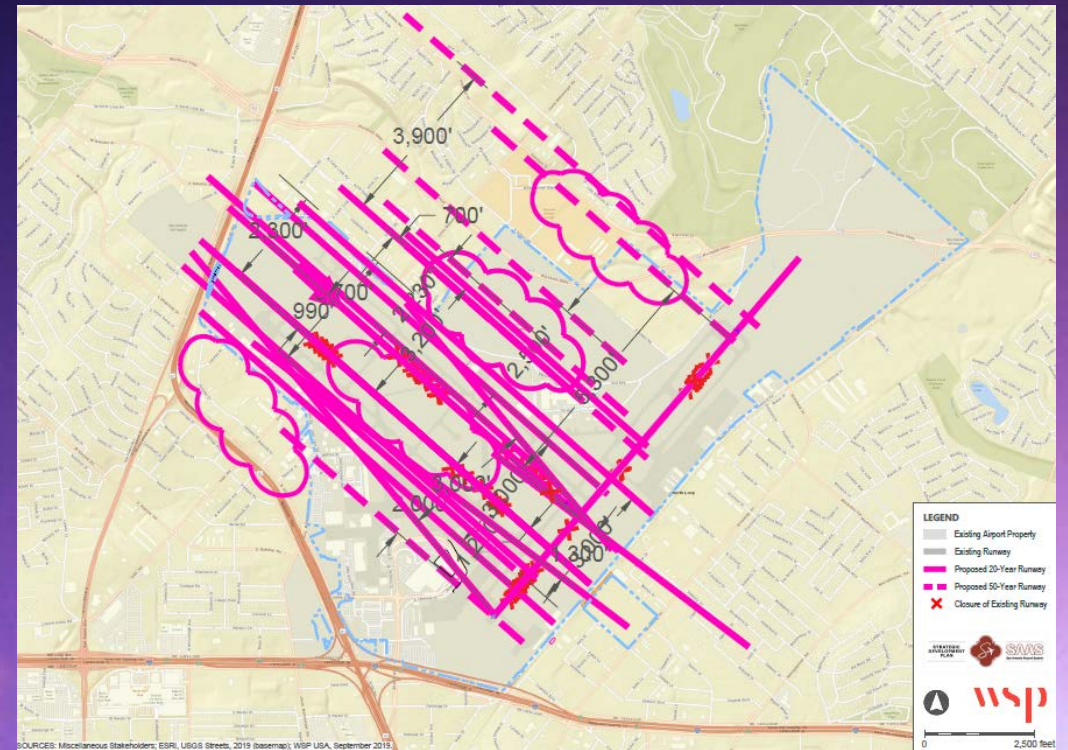


Airfield Alternatives Development & Evaluation Progress

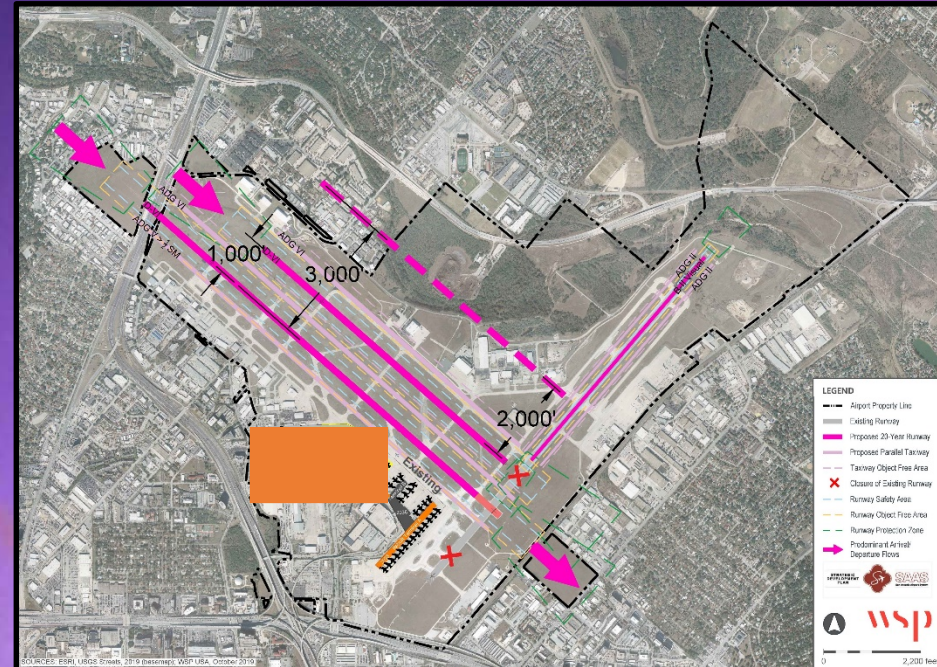
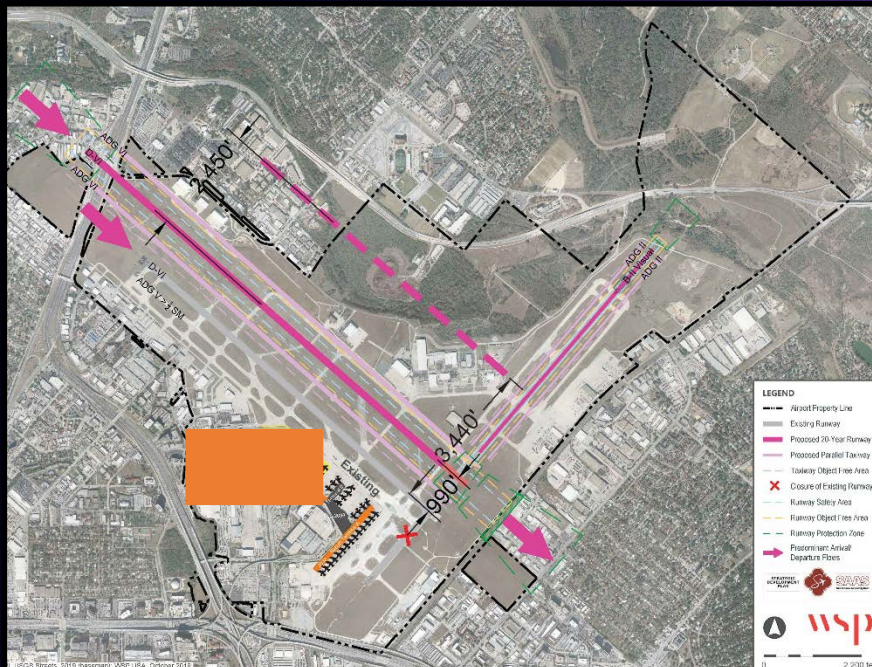
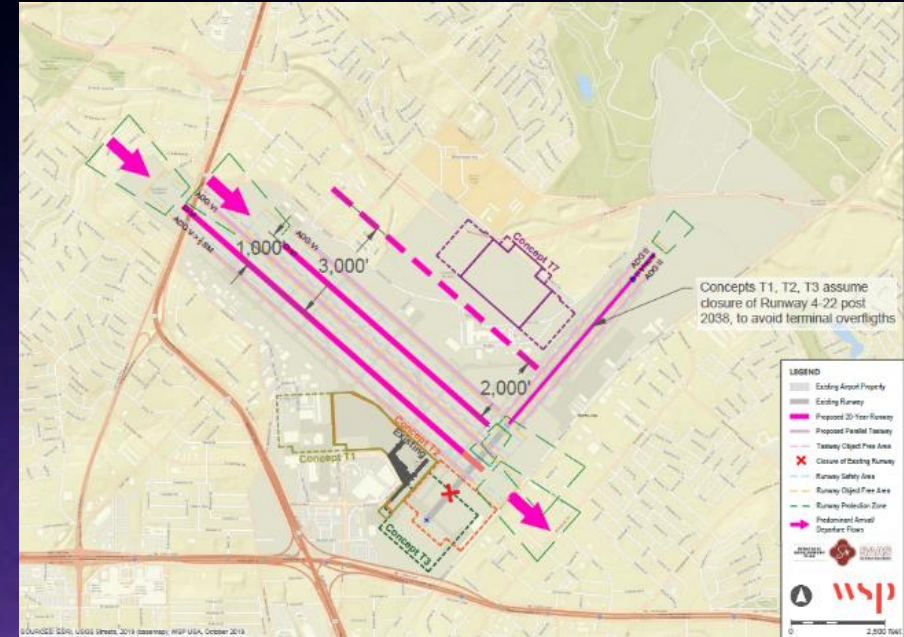
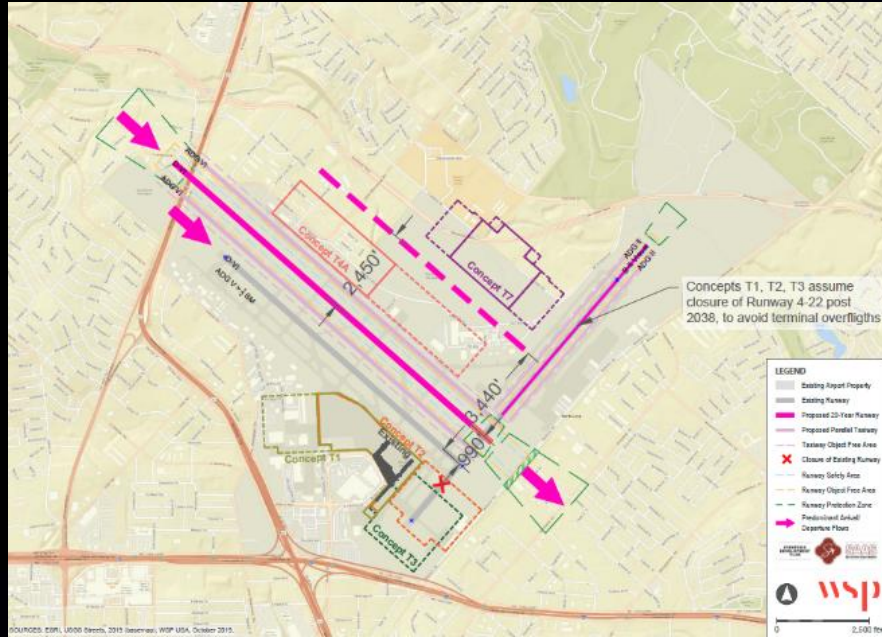
**Beginning of Round 1
91 Alternatives**



**End of Round 1
14 Alternatives**



Airfield Alternatives - Final 2



Next Steps

- Completion of Alternatives Development and Evaluation
- Renewal and Replacement Analysis and Plan Development
- Financial Analysis/Coordination
- Airport Layout Plan Development
- Environmental Overview
- Implementation Plan
- Master Plan Documentation
- Noise Exposure Map Update



Next Steps



Noise Exposure Map Update

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Noise Exposure Map Update Following SDP

1. The update to the Noise Exposure Map (NEM) will:
 - Depict new and forecast noise contours
 - Collect and show data on the map regarding current and future associated land use compatibility
 - Include 8 public open house-style workshops for stakeholders
2. SDP Alternatives Evaluation will consider potential noise exposure
3. Noise exposure and mitigation measures will be addressed before a project can be implemented

Questions?

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