



Mead&Hunt



Auburn City Council

Auburn Municipal Airport
2024 Master Plan
Project Update

September 9, 2024

Today's Agenda

- Brief Project Overview
- Project Team
- Stakeholders
- Schedule
- Conceptual Development Alternatives
- Questions



Master Plan Central Questions

- How busy will the airport be in 20 years?
- Are the existing facilities sufficient?
- What are the future trends and challenges in aviation? Critical aircraft?
- What are the highest and best uses for the airport property?
- What are opportunities for economic development?
- Will a runway extension be feasible?
- Where to site a new terminal?



What is a Master Plan?

- A Master Plan **IS**:
 - A 20-year plan, completed about every 10 years
 - Capital Improvement Projects (CIP)
 - Land Use Compatibility Planning (LUCP)
 - The Federal Aviation Administration (FAA)
 - Airport compliance of FAA standards
 - Justification of funding
- A Master Plan **IS NOT**:
 - A business plan or a marketing plan
 - A wish list or funding guarantee
 - A binding document
 - A document that sets policies or rates



Consultant Team



Ryan Hayes

Project Manager

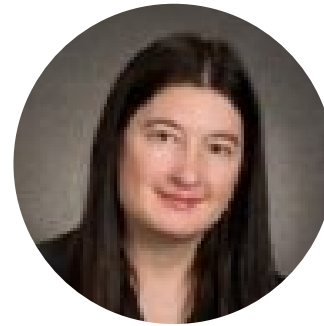
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Stakeholders & Contributors

- FAA Airports District Office (ADO)
- Airfield Business Owners
- Chamber of Commerce
- City of Auburn
- Community Members
- Flight School Representatives
- Pilots Association
- Placer County Planners
- Town Council Members
- US Navy / Military
- Hangar Developers
- Hangar Tenants
- Airport Manager

Stakeholders & Public Involvement

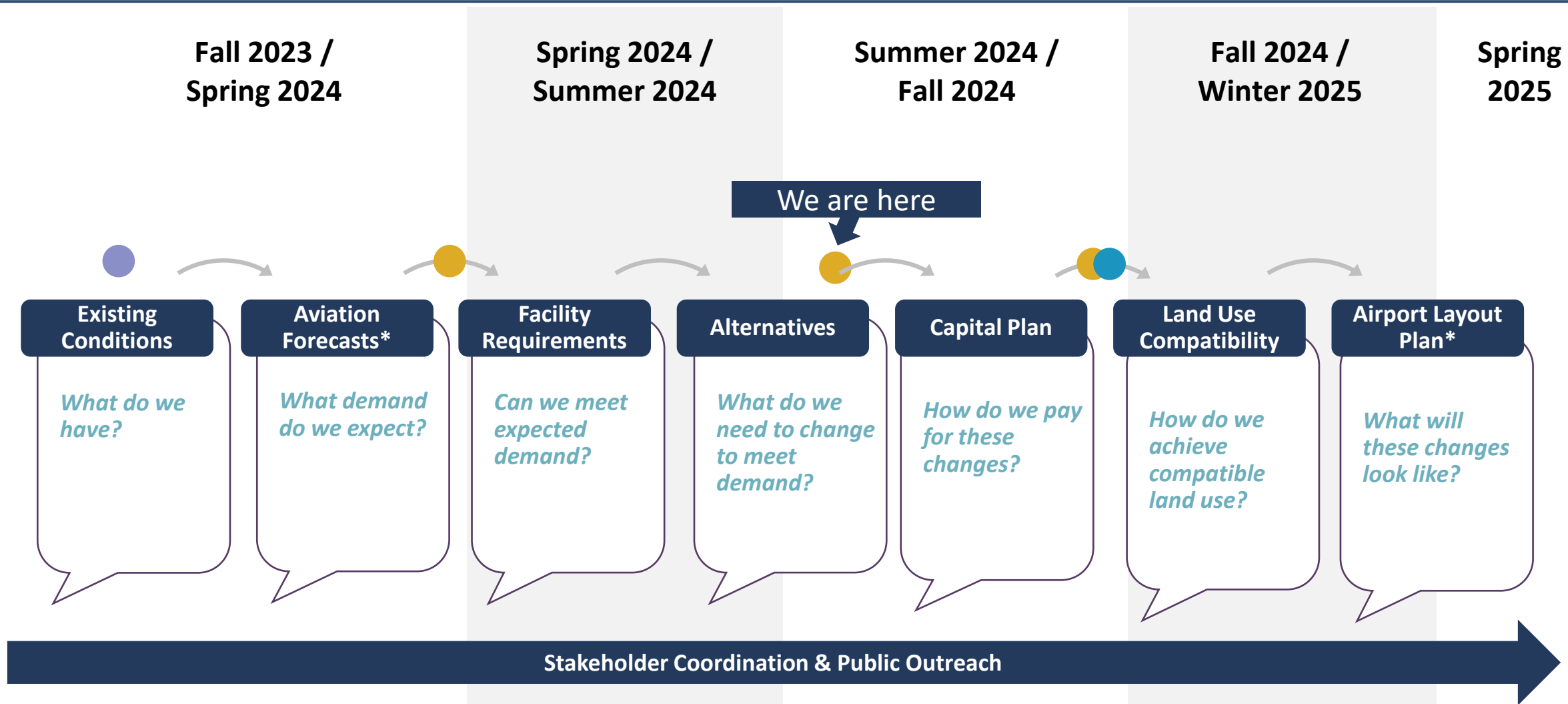
AUN Study Committee Roles

- Advises the Airport and Consultant Team
- Includes diverse expertise and interests
- Represents an organization or group of aero/non-aero stakeholders
- Provides candid and constructive criticism

Public Involvement

- Through the liaison - AUN Advisory Committee
- Public open house
- Information shared when completed – one-on-one between consultant team as needed
- Allows for public feedback
- Noticed public meetings

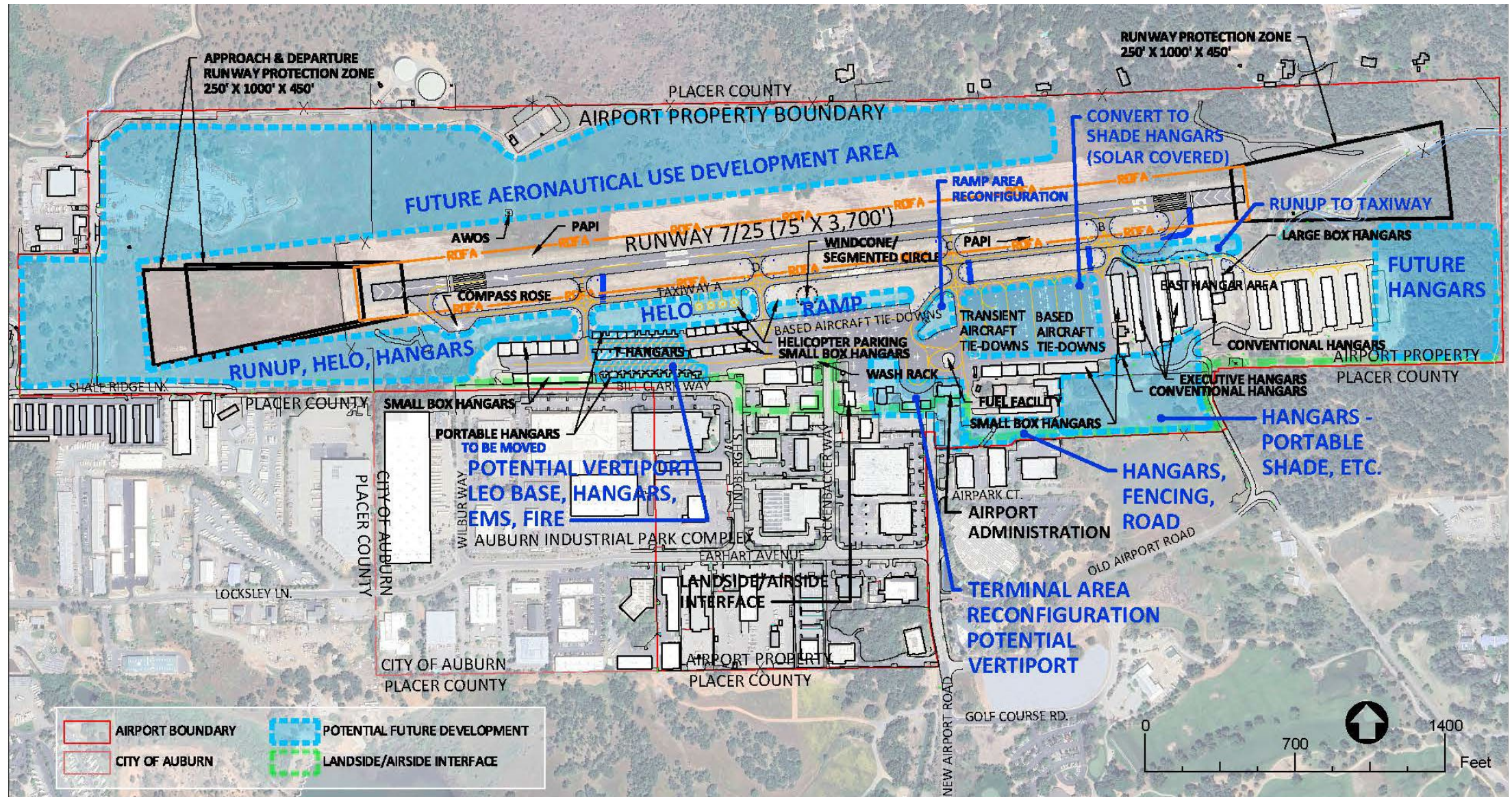
Project Timeline?



Focus Areas

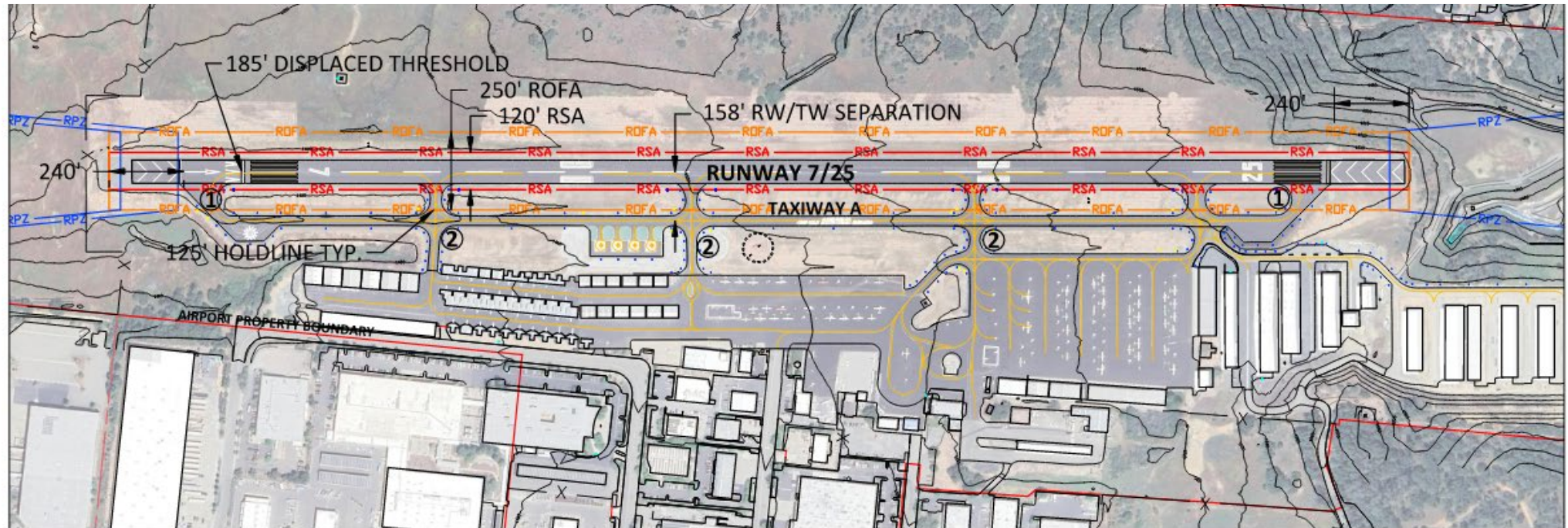
- Airfield Layout (Runways, Taxiways)
- Passenger Terminal (Long-term) and Automobile Parking
- Landside Airside Interface
- Roadway and Passenger Access
- Aeronautical Development Opportunities

Conceptual Development Plan

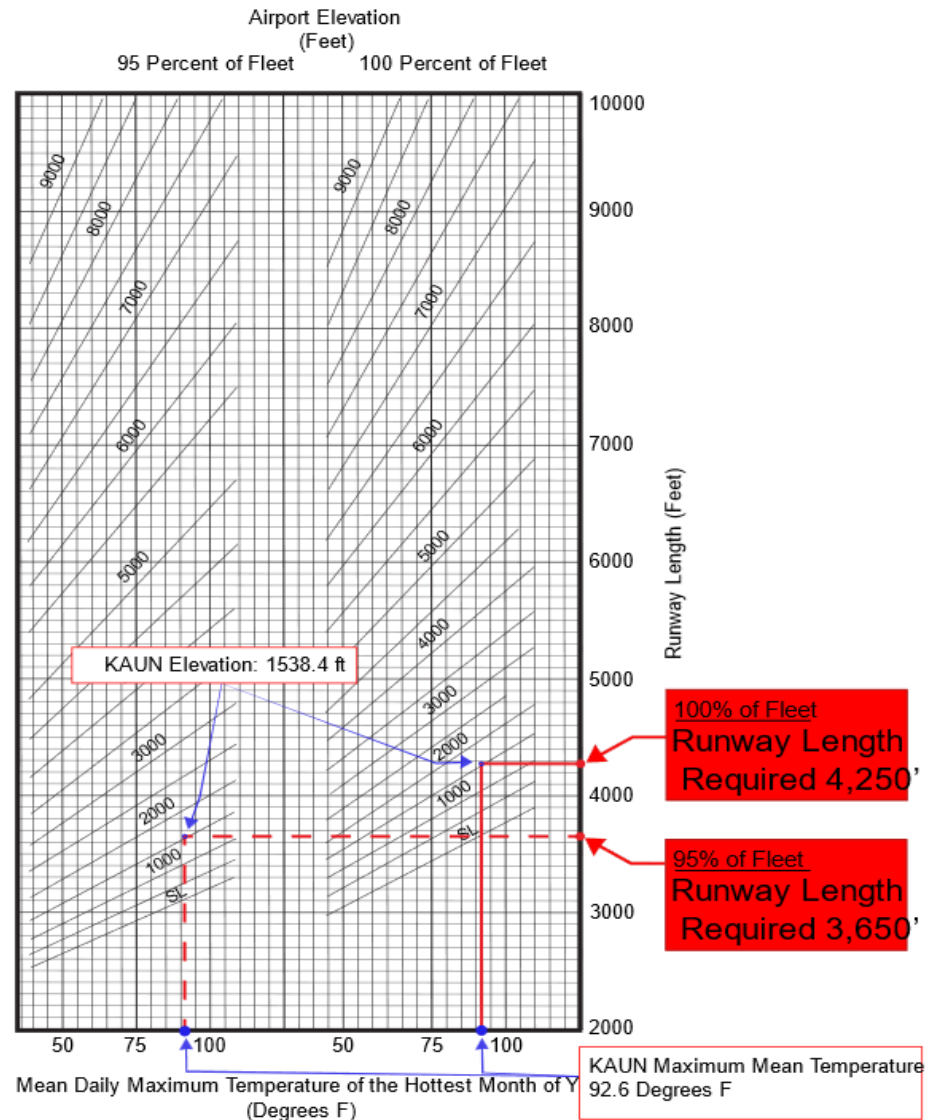


Runway Length

- What is the required runway length to meet the current, future, and ultimate demand?
 - Critical Aircraft Beechcraft Baron Multi engine and Cessna 421 Golden Eagle Multi Engine, (PC12)
 - Meet FAA design standards, space and separation standards, and geometry
 - Changes in the type of aircraft over time
 - Changes in the environment and how this affects aircraft performance



Runway Future Length Analysis – FAA Method

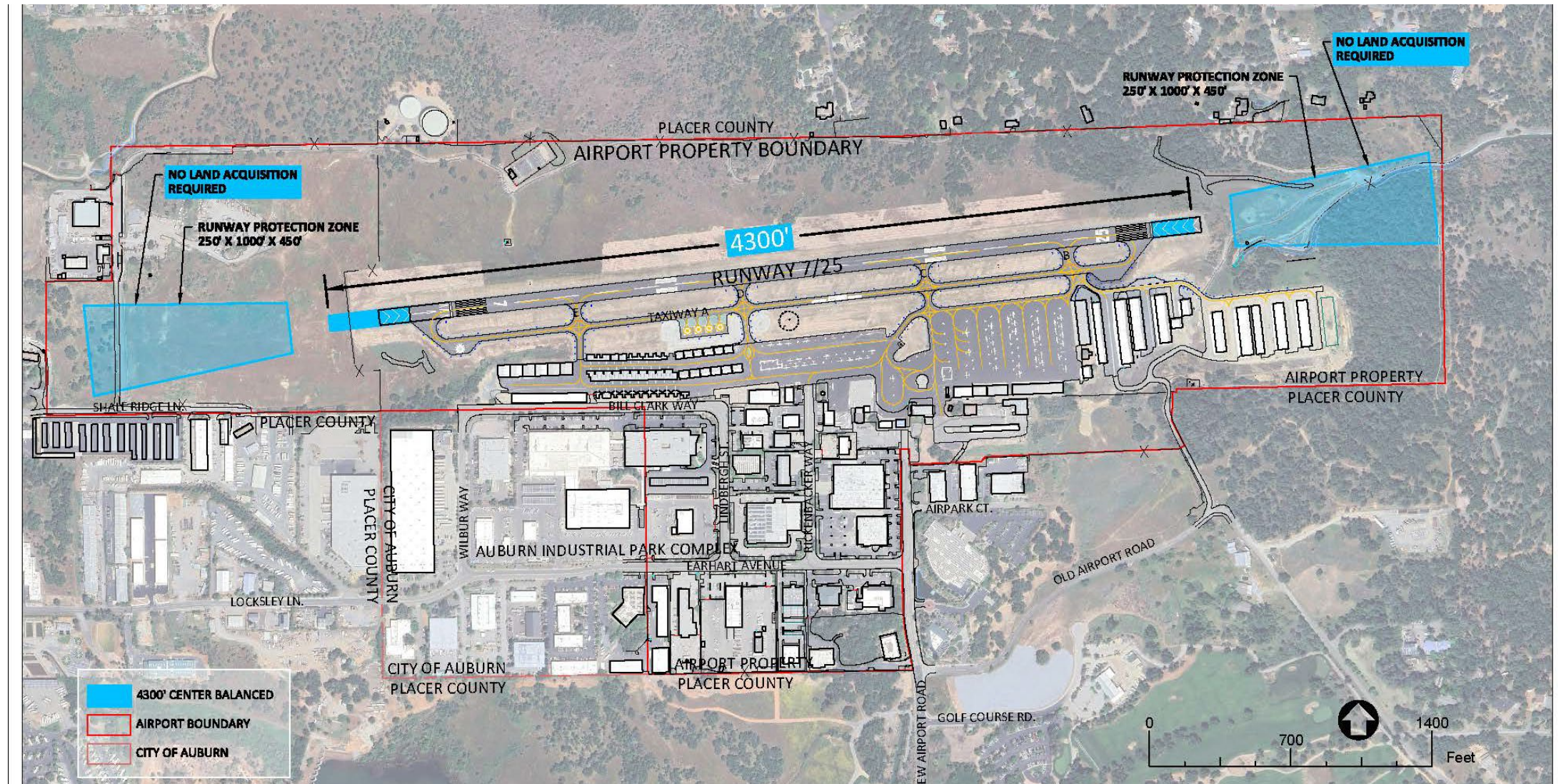


Runway Future Length Analysis – Supplemental Method

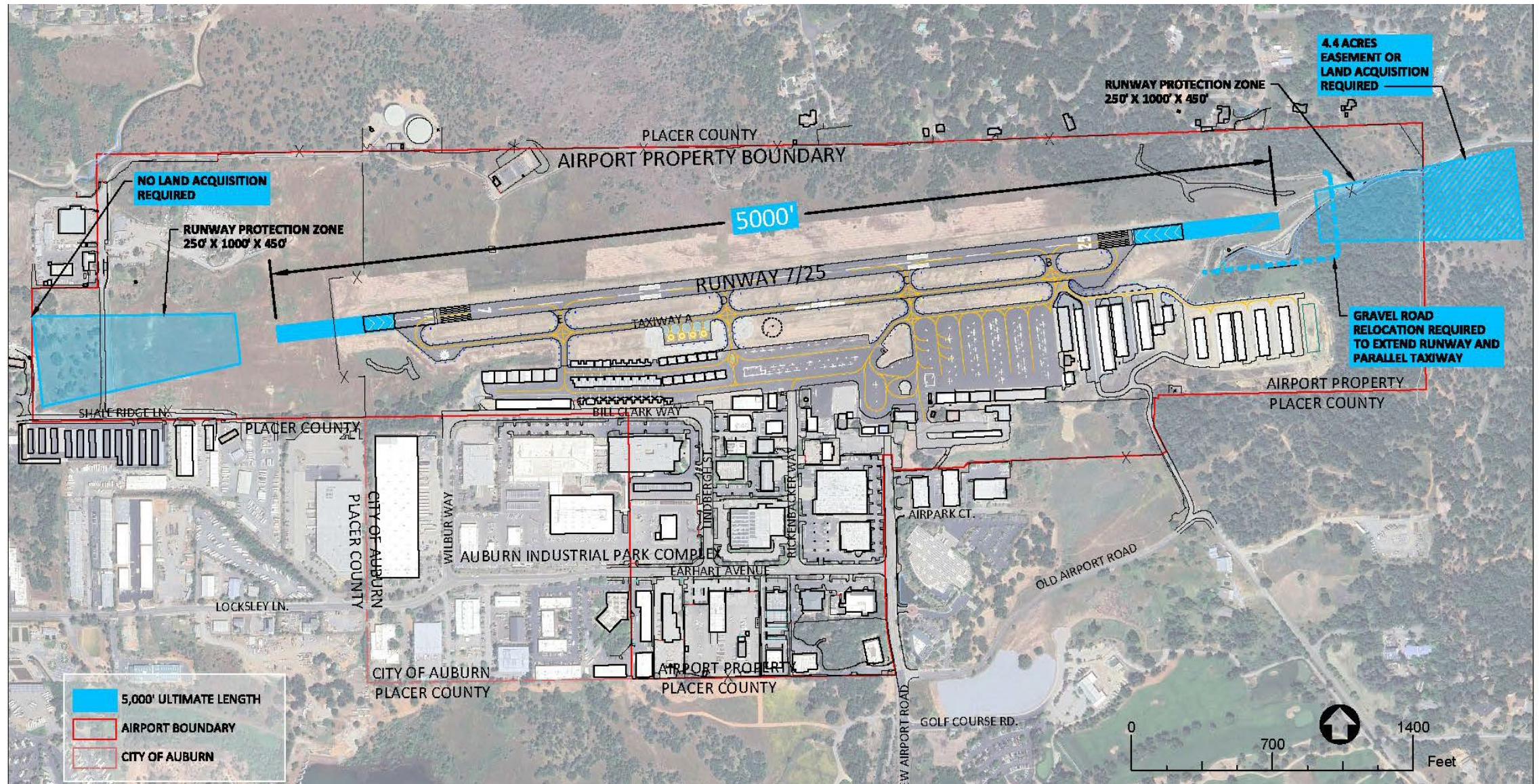
Table 3-10: AUN Fleet Takeoff and Landing Requirements

Aircraft Make	Model	MTOW (lbs)	Takeoff Lenth (feet)	Takeoff Length – 50' Obstacle	Landing Length	Landing length – 50' Obstacle	Accelerate Stop Distance
Beechcraft	Baron 58	5500	1650'	2700'	2800'	1610'	3650'
Cessna	421 Golden Eagle	7450	2285'	3105'	805'	2375'	4320'
Piper	PA31 Navajo	6500	1730'	2280'	2150'	2700'	3700'
Cessna	414	6750	2740'	3240'	2821'	3315'	4975'
Cessna	Citation II	13,300	4685'	n/a	2495'	n/a	n/a
Cessna	Citation Mustang	8,645	5075'	n/a	2800'	n/a	n/a
Beechcraft	Super King Air 200	12,500	2,500	n/a	2,000'	n/a	3900

Runway Future Length



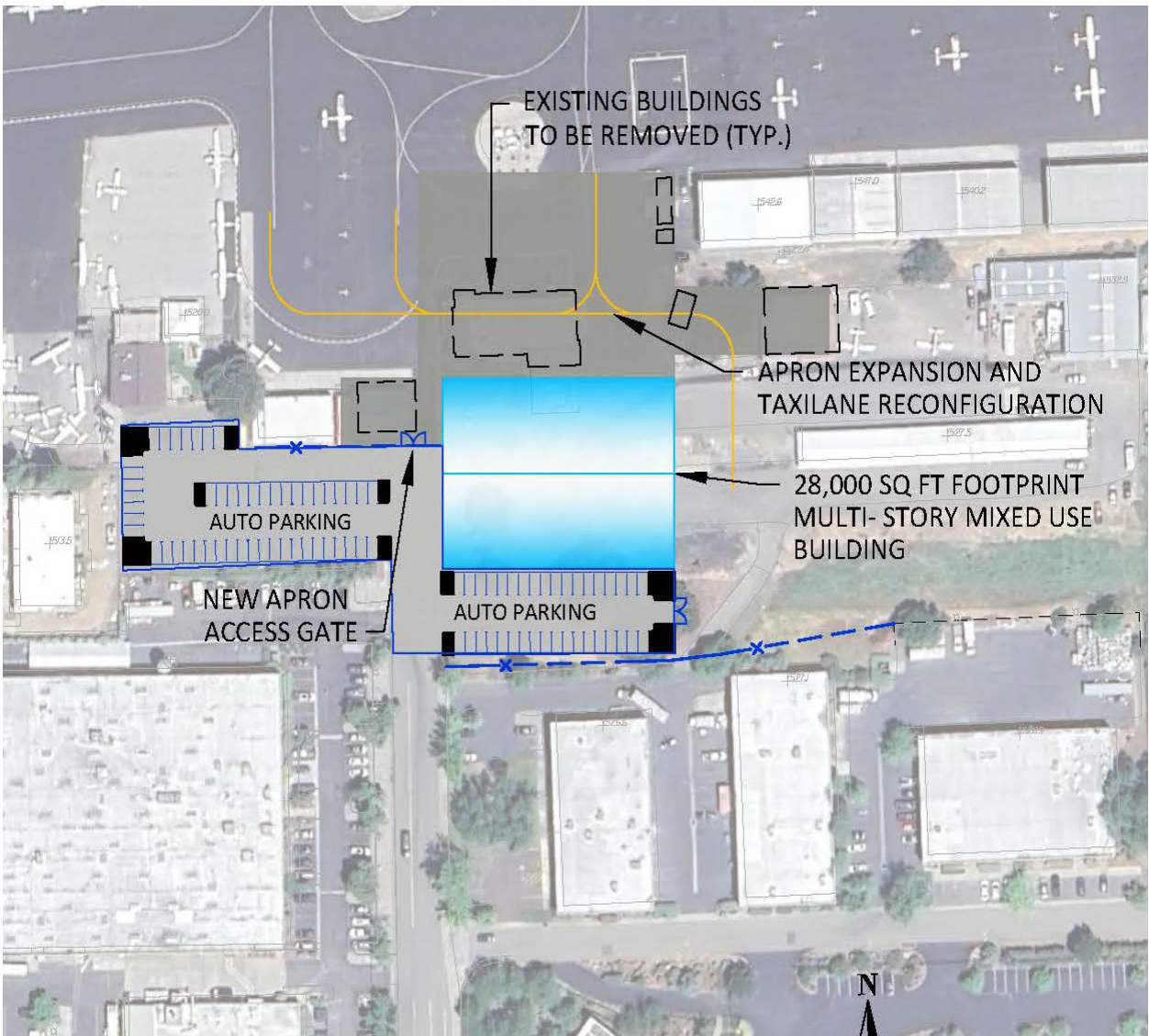
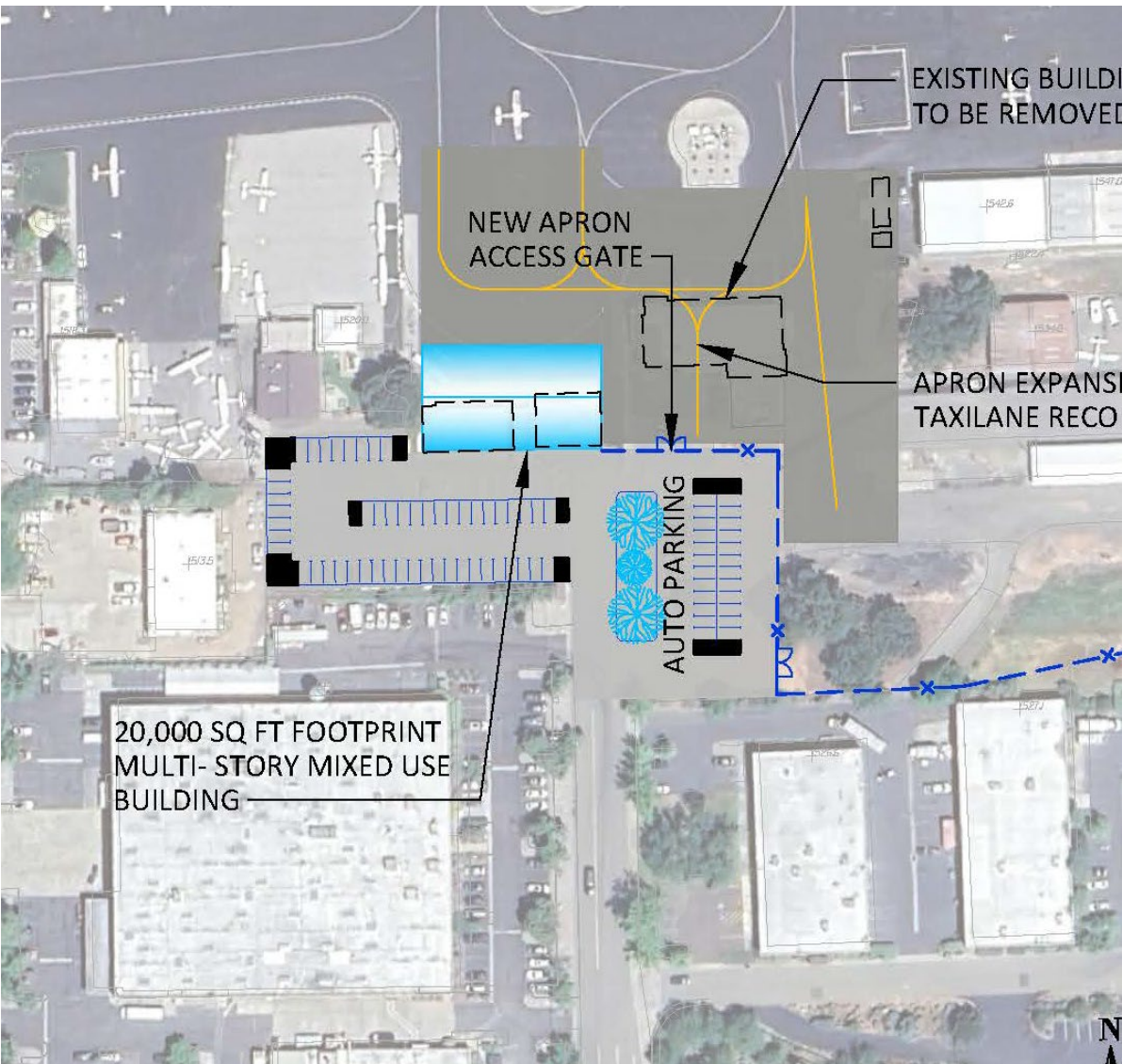
Runway Ultimate Length



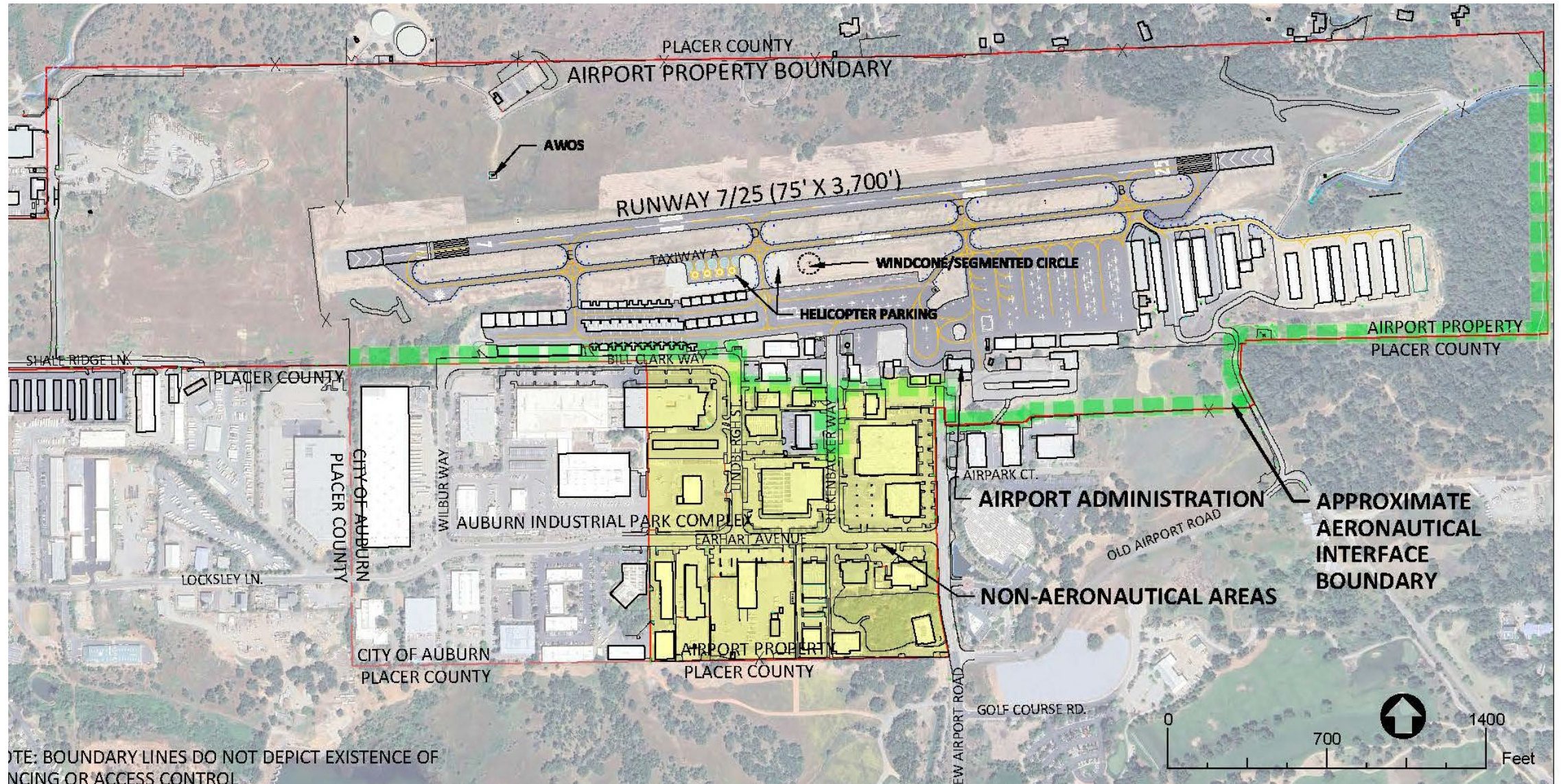
Terminal – Administration Building Concepts

- Outdated facilities no longer viable
- Must meet current and future aeronautical and community demands
- Provide for flexibility in business operations – FBO – Office – Admin - Restaurant
- Formalize the airport experience
- Utilize ramp and apron space efficiently
- Landside / Airside interface

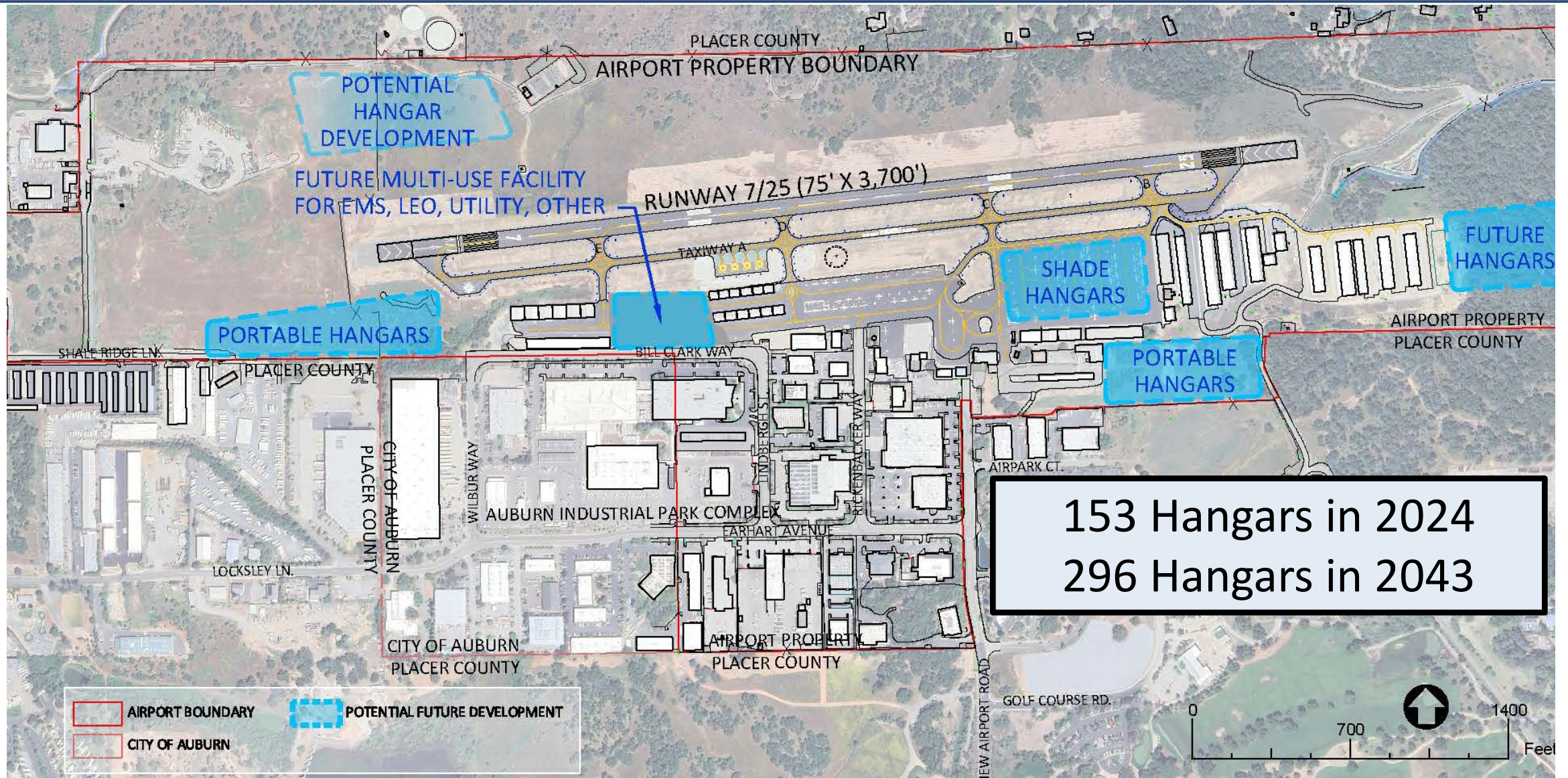
Terminal – Administration Building Concepts



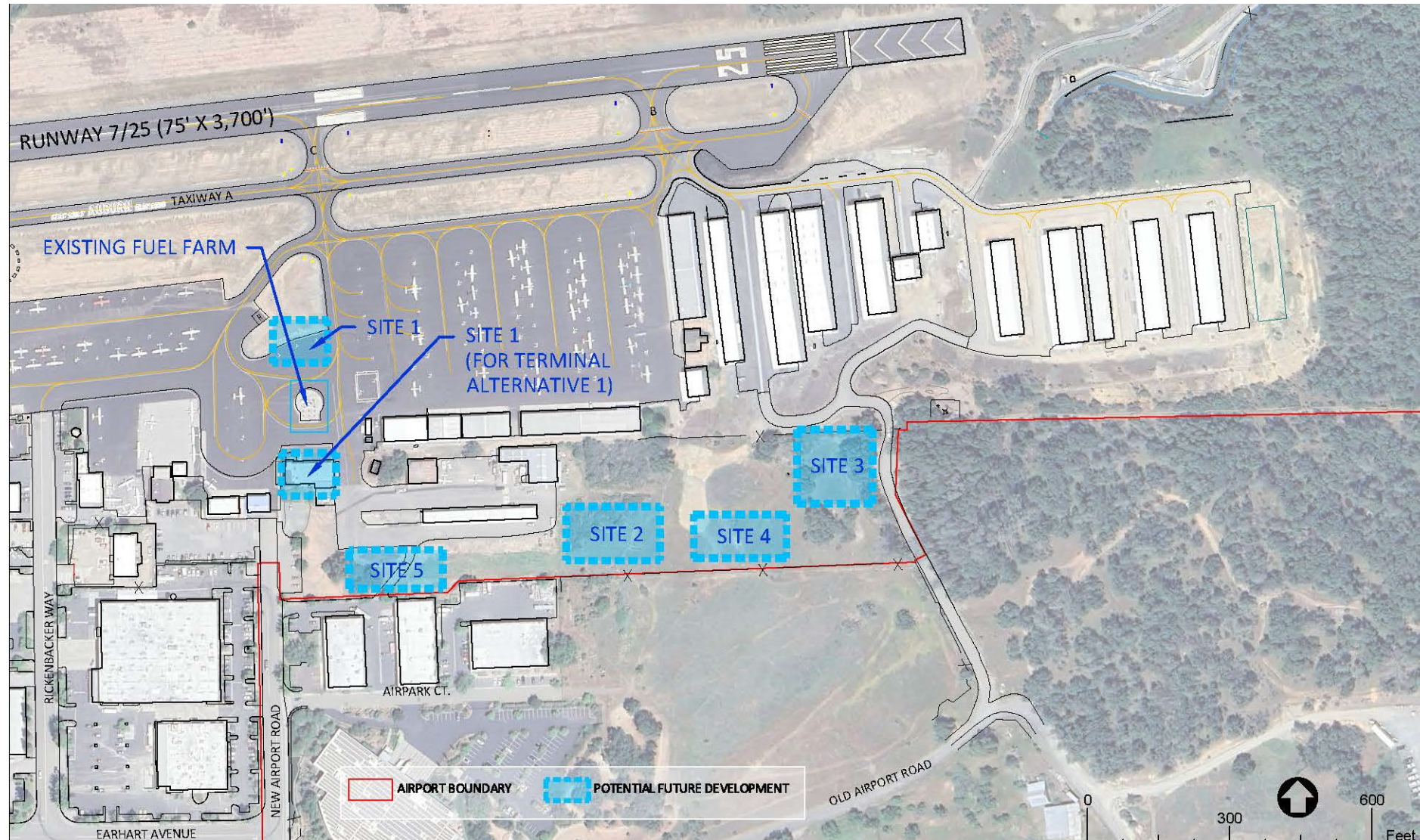
Landside / Airside Interface



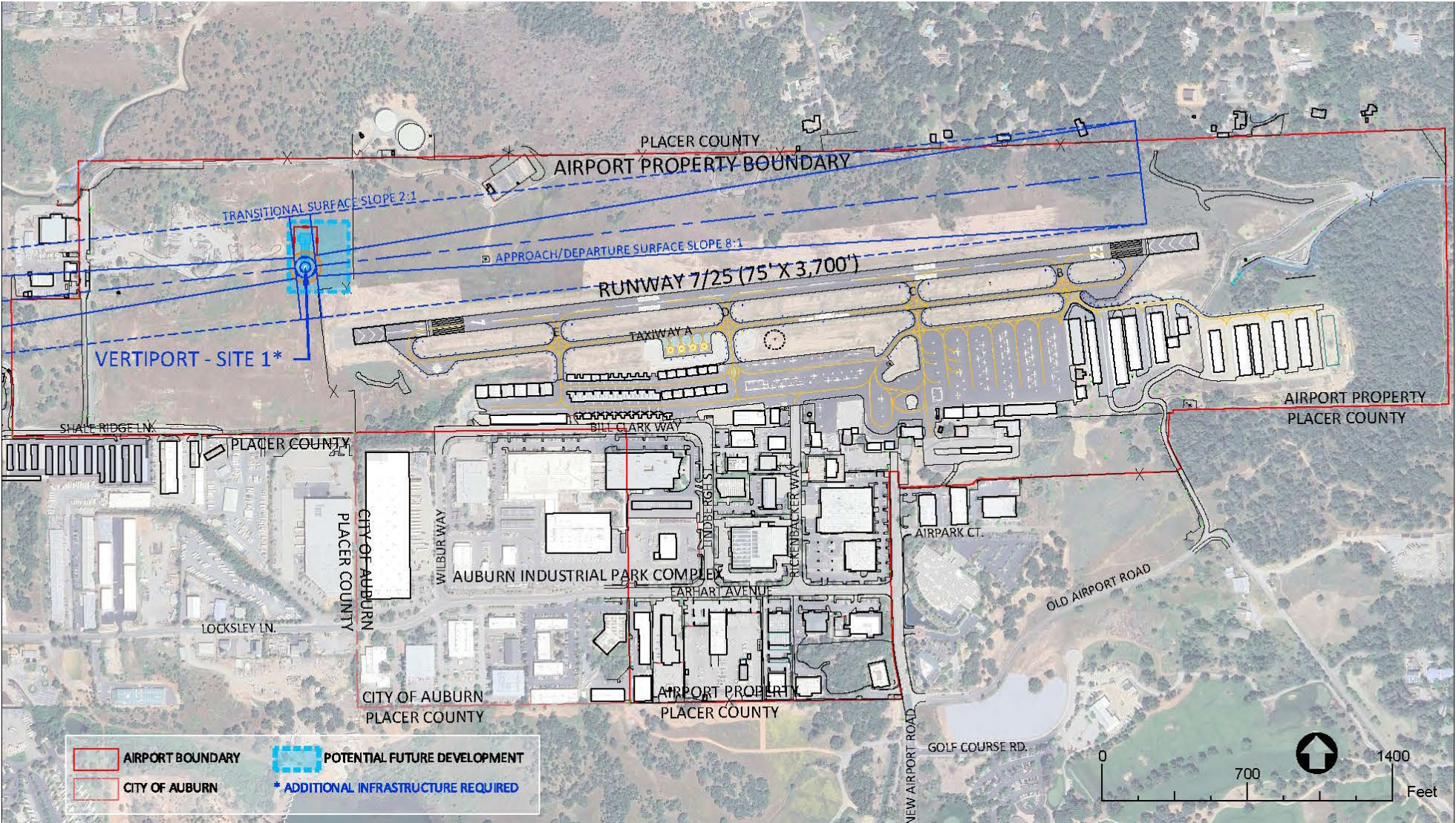
Hangars – Use of space for future demand and aircraft storage



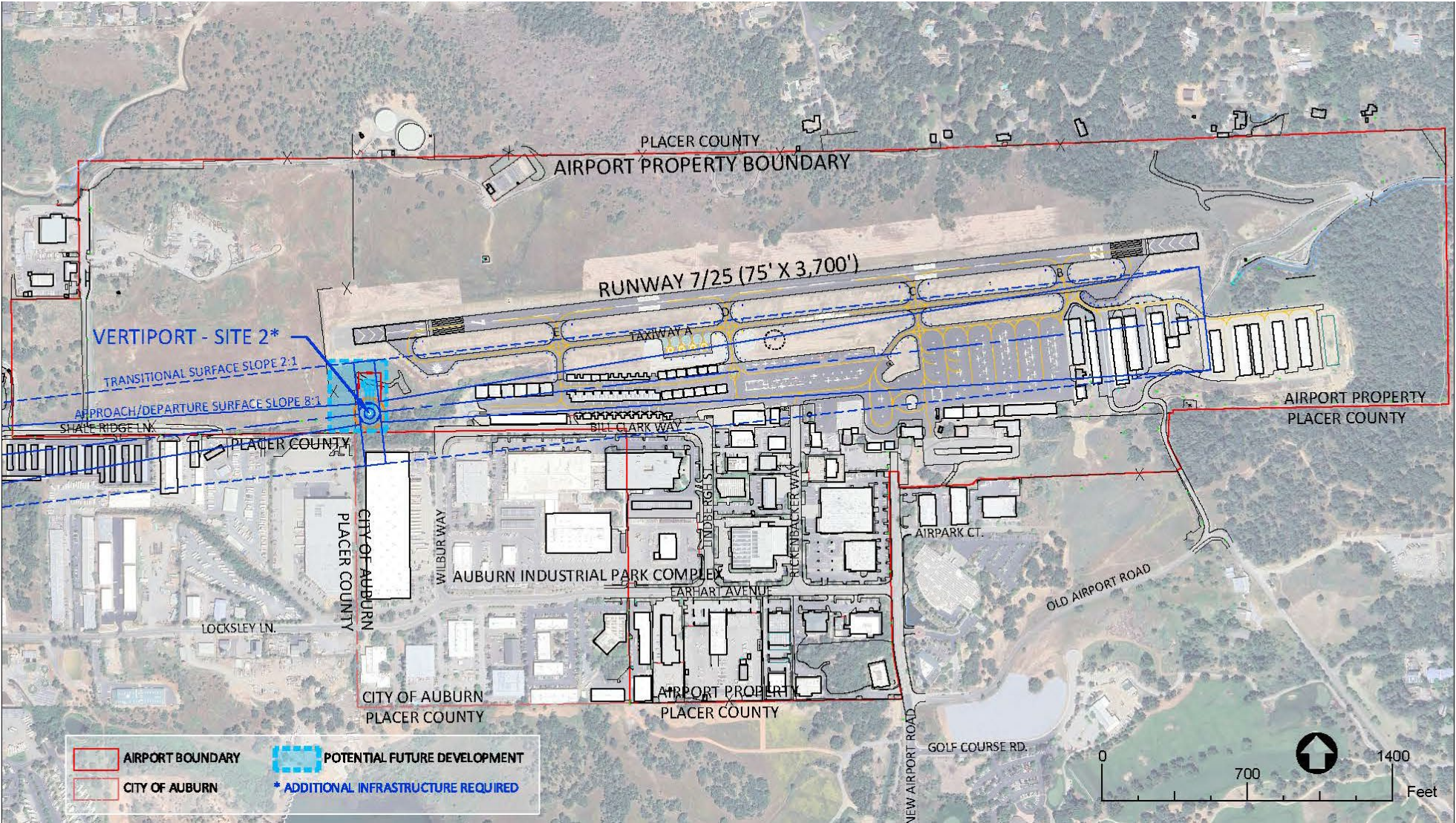
Fuel facilities



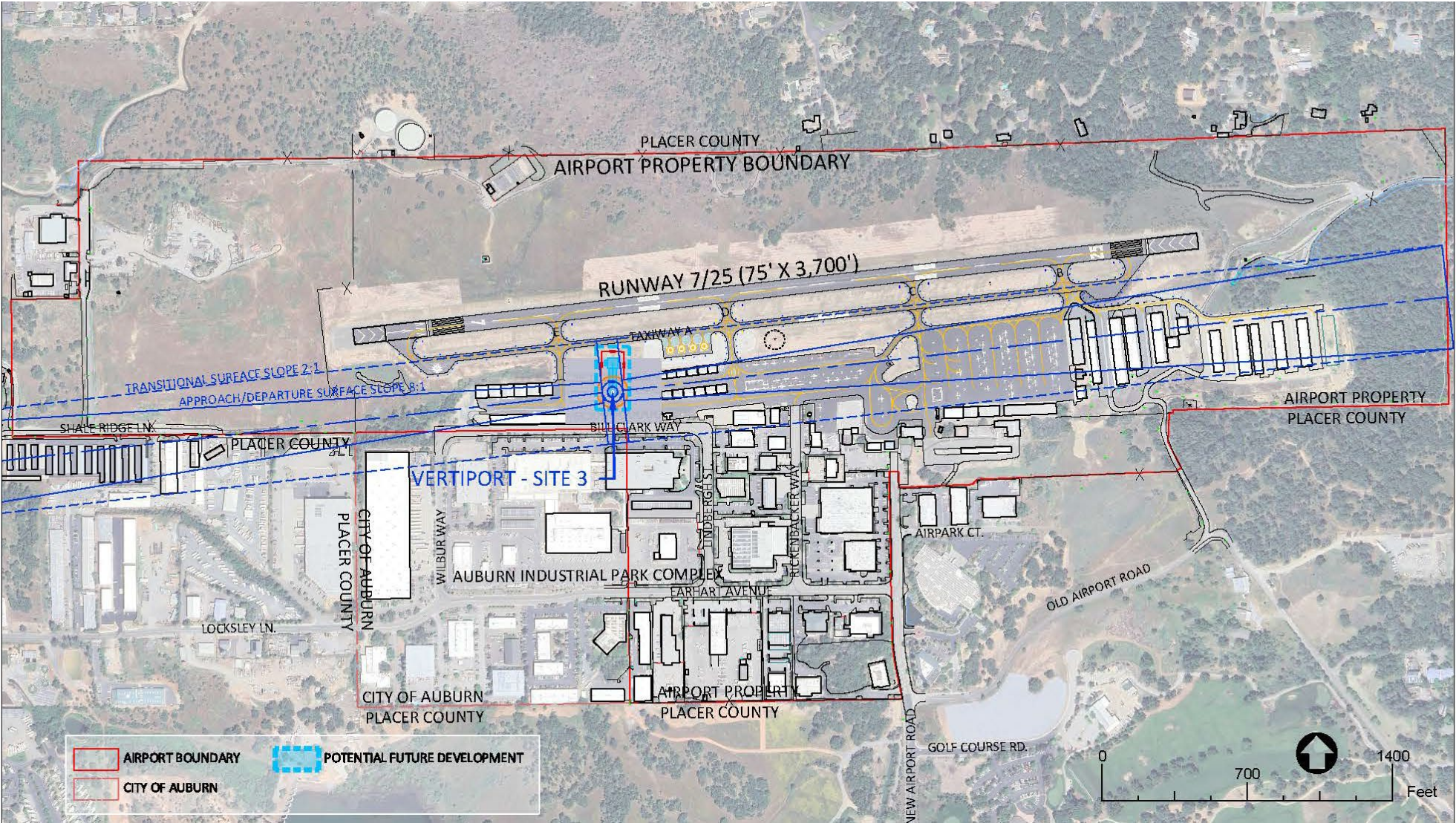
Vertiports Site 1



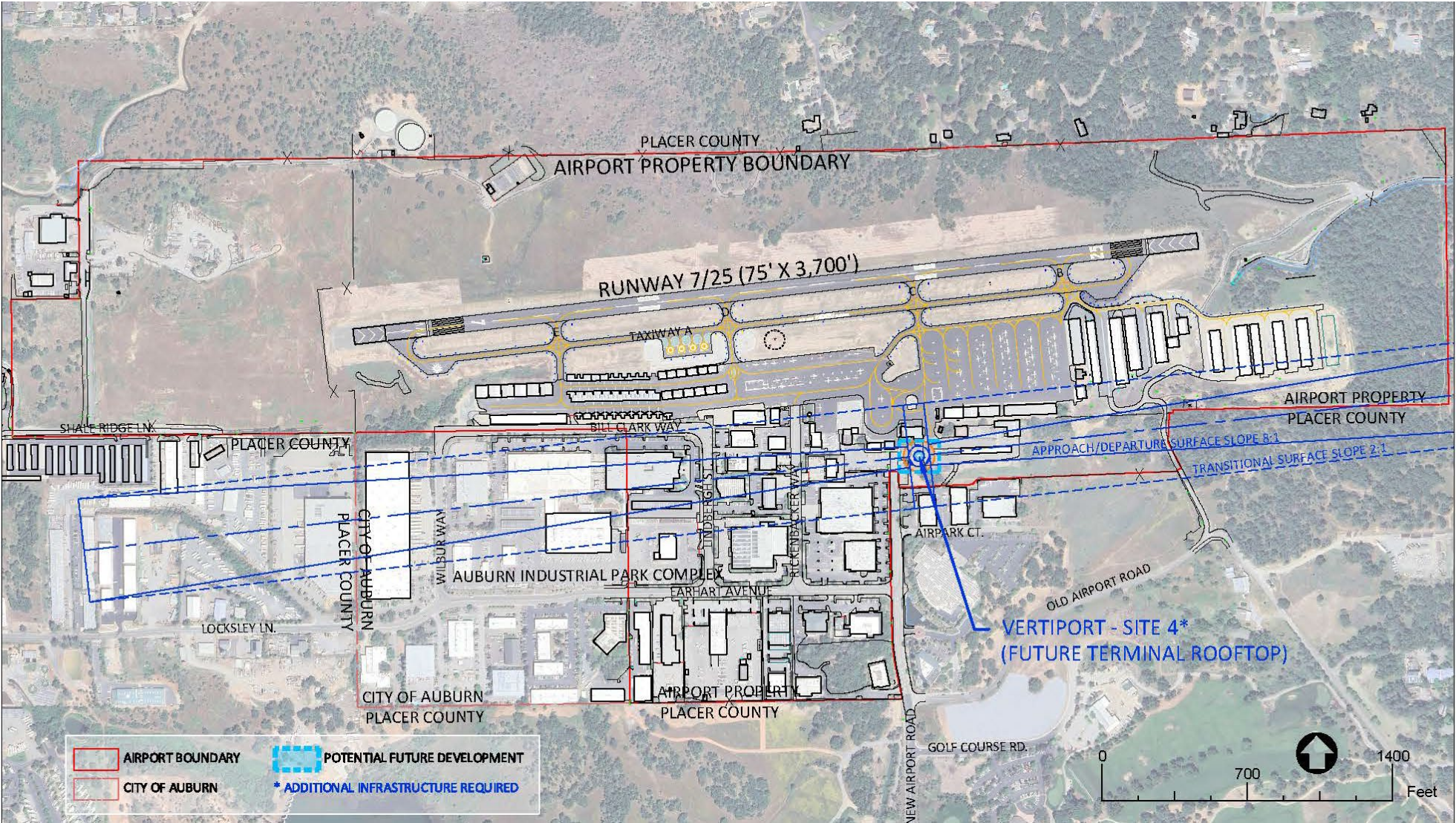
Vertiports Site 2



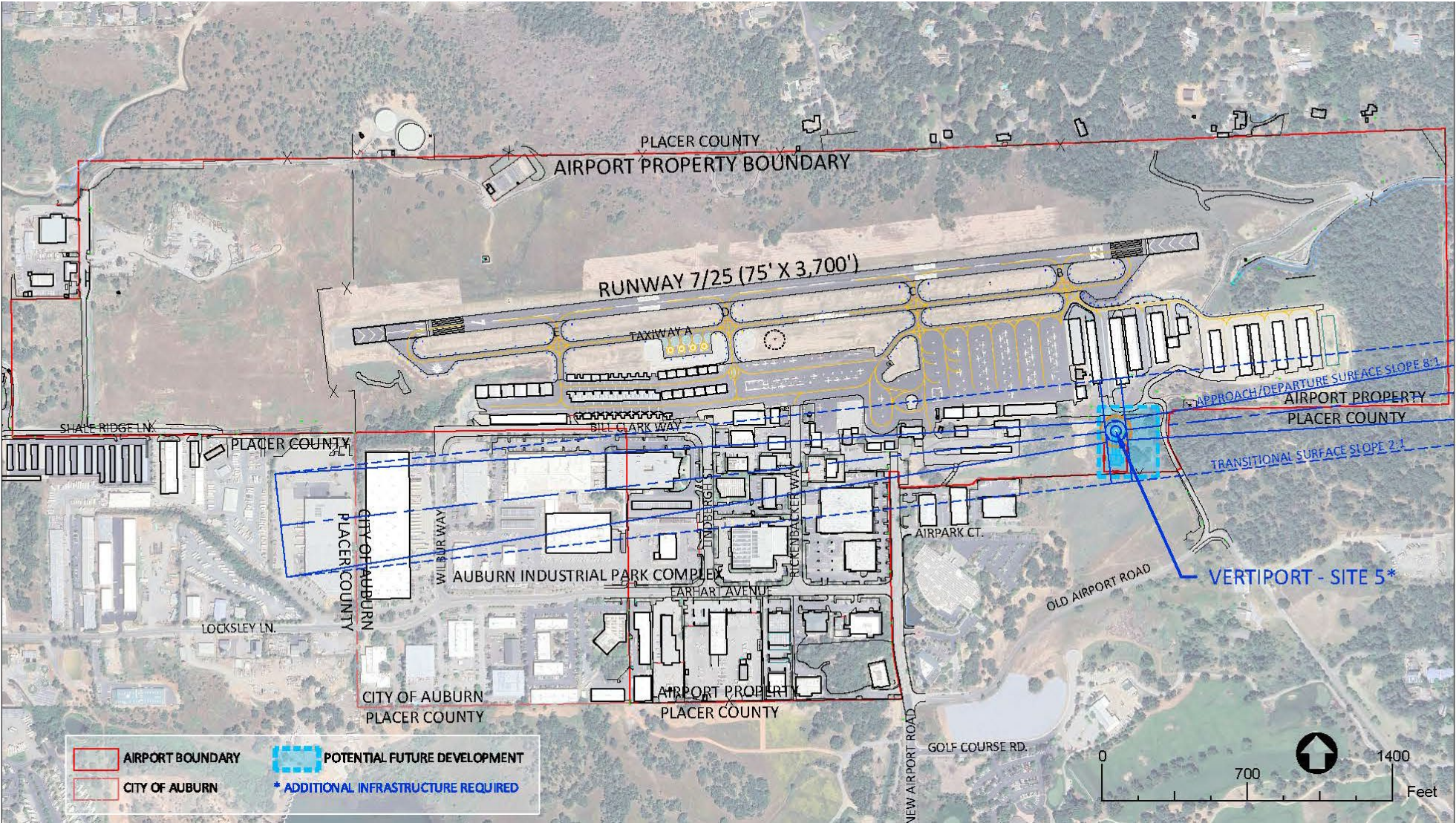
Vertiports Site 3



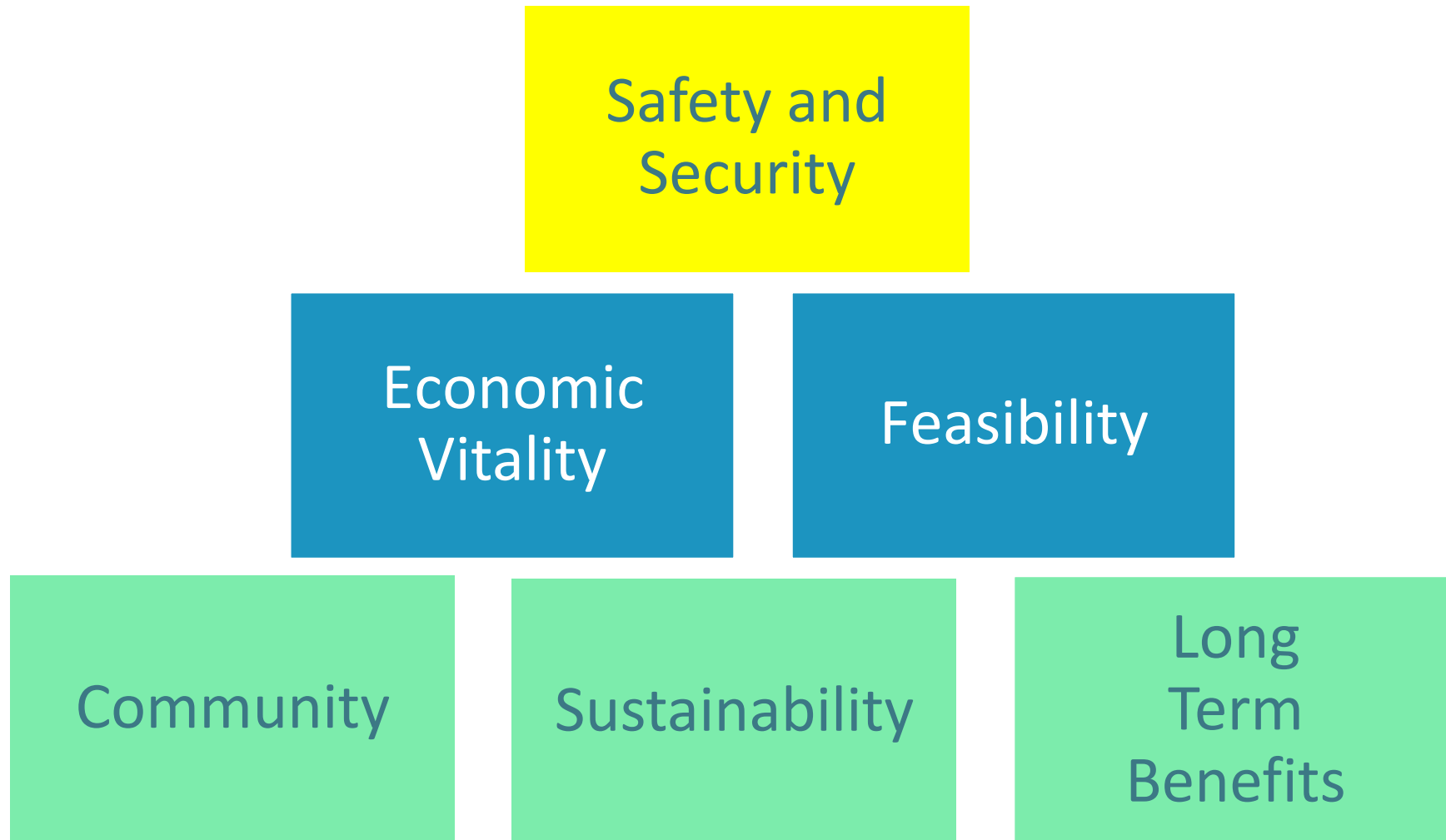
Vertiports Site 4



Vertiports Site 5



Screening Criteria



Next Steps

- Screen and select alternatives
- Finalize Conceptual Development Plan (CDP)
- Develop project list, cost estimates and phasing
- Airport Layout Plan (ALP) and funding plan
- Study Committee Meeting
- Public Open House



Questions?



THANK YOU.

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