



Mead&Hunt

Auburn
California



Final Public Meeting

Auburn Municipal Airport
Master Plan Update

June 2, 2025

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Mead&Hunt



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Today's Agenda

- What is a Master Plan?
- Process/Schedule Review
- Review of Master Plan to Date
- Project List/Cost Estimates/Phasing Plans
- Conceptual Development Plan
- Questions

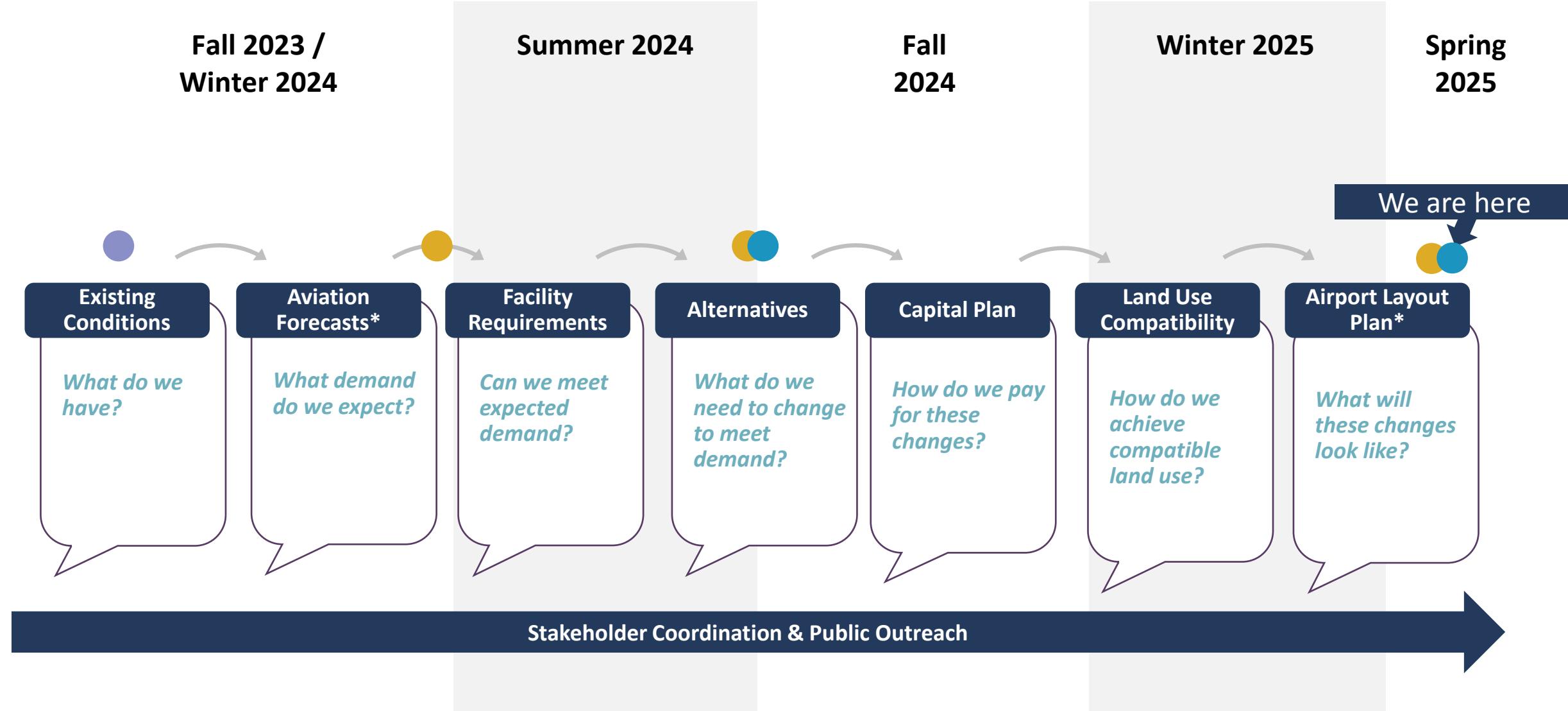


What is a Master Plan?

- 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



Project Timeline



Existing Conditions Review

Existing Conditions Chapter

Key components:

- Airport Overview
- Aeronautical Facilities - Airside
- Aeronautical Facilities - Landside
- Non-aeronautical Facilities
- Auto Parking and Circulation
- Environmental Overview

Forecasts Review

Forecasts & Critical Aircraft

Fiscal Year	Historical	Base Year	Forecast				CAGR			
			2014	2023	2028	2033	2038	2043	2014-2023	2024-2043
	Enplanements	0	0	0	0	0	0	0	N/A	N/A
Operations	68,770	75,077	78,264	79,949	80,623	81,316	81,316	81,316	1.0%	0.4%
Air Carrier	0	0	0	0	0	0	0	0	N/A	N/A
Commuter/Air Taxi	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	N/A	N/A
Itinerant GA	32,320	37,012	39,081	39,410	39,747	40,093	40,093	40,093	1.4%	0.3%
Itinerant Military	0	0	0	0	0	0	0	0	N/A	N/A
Local GA	35,350	36,965	38,083	39,439	39,776	40,123	40,123	40,123	0.4%	0.3%
Local Military	0	0	0	0	0	0	0	0	N/A	N/A
Based Aircraft	N/A	237	248	263	280	296	296	296	N/A	1.1%

CAGR: Compound Annual Growth Rate

GA: General Aviation

Other = Light sport aircraft, gliders, experimental aircraft, ultralights

Source: Mead & Hunt Preferred Forecasts, 2024

Airport Reference Code	Total Operations
A-I	22,704
A-II	202
Subtotal A	22,704
B-I	796
B-II	38
Subtotal B	834
Helicopter	3,825
Total	27,363

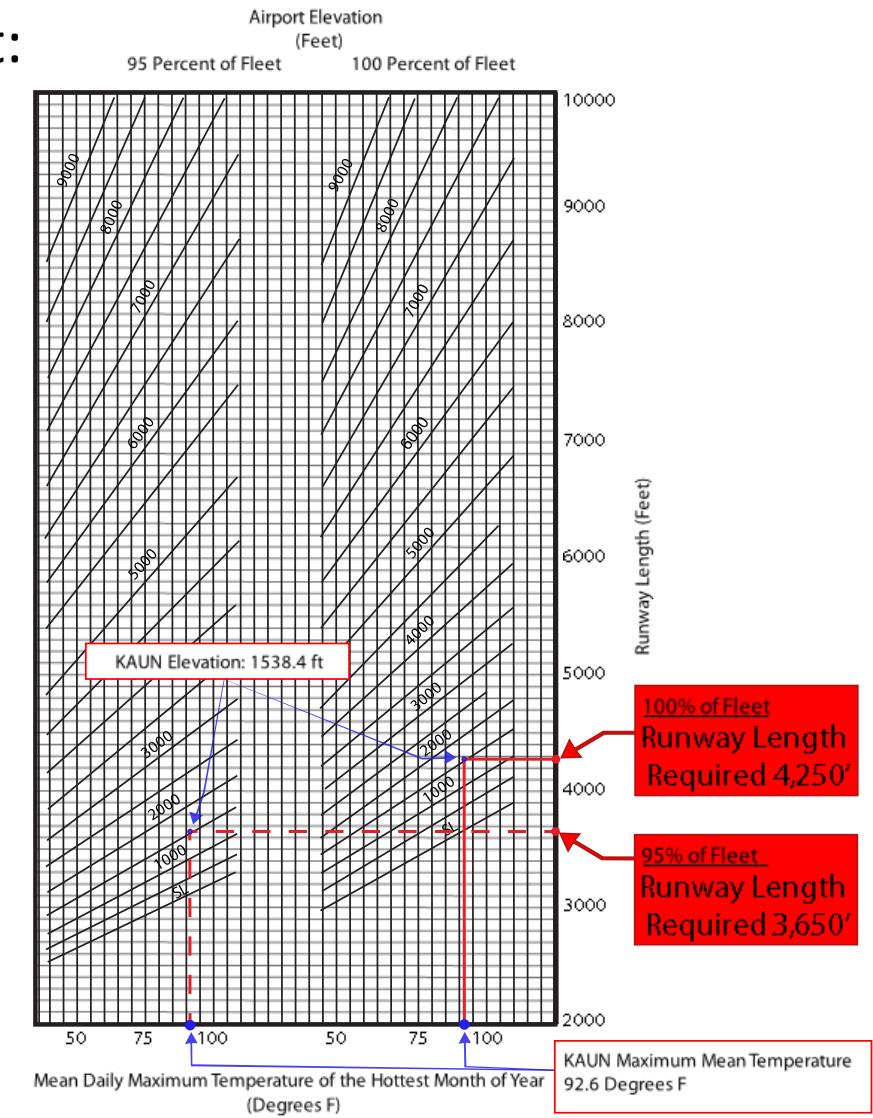
Source: FlightAware and AUN Tenants, 2023

- Existing and Future Critical Aircraft: B-I Small
- Representative Aircraft
 - Beechcraft Baron (BE58)
 - Cessna 421 Golden Eagle (C421)

Facility Requirements/ Improvement Alternatives

Facility Requirements

- Identify nonstandard conditions and needs at the Airport:
 - Airside Facilities
 - Runway Extension
 - Nonstandard Taxiway Configuration
 - Landside Facilities
 - Terminal / Administration Building
 - Aircraft Hangars
 - Aprons
 - Fuel Facilities



Fleet Takeoff and Landing Requirements

Aircraft Make	Model	MTOW (lbs.)	Takeoff Length	Takeoff Length – 50' Obstacle	Landing Length	Landing length – 50' Obstacle	Accelerate Stop Distance
Beechcraft	Baron 58	5,500	1,650'	2,700'	2,800'	1,610'	3,650'
Cessna	421 Golden Eagle	7,450	2,285'	3,105'	805'	2,375'	4,320'
Piper	PA31 Navajo	6,500	1,730'	2,280'	2,150'	2,700'	3,700'
Cessna	414	6,750	2,740'	3,240'	2,821'	3,315'	4,975'
Cessna	Citation II	13,300	4,685'	N/A	2,495'	N/A	N/A
Cessna	Citation Mustang	8,645	5,075'	N/A	2,800'	N/A	N/A
Beechcraft	Super King Air 200	12,500	2,500'	N/A	2,000'	N/A	3,900'

Aircraft Source:

FlightAware, AUN Operations 2023 Fiscal Year.

Runway Length Sources:

Pilot Operating Handbooks and Manufacturer Airplane Flying Manuals.

Note:

Temperature 33.6° C, Pressure Altitude 1538,

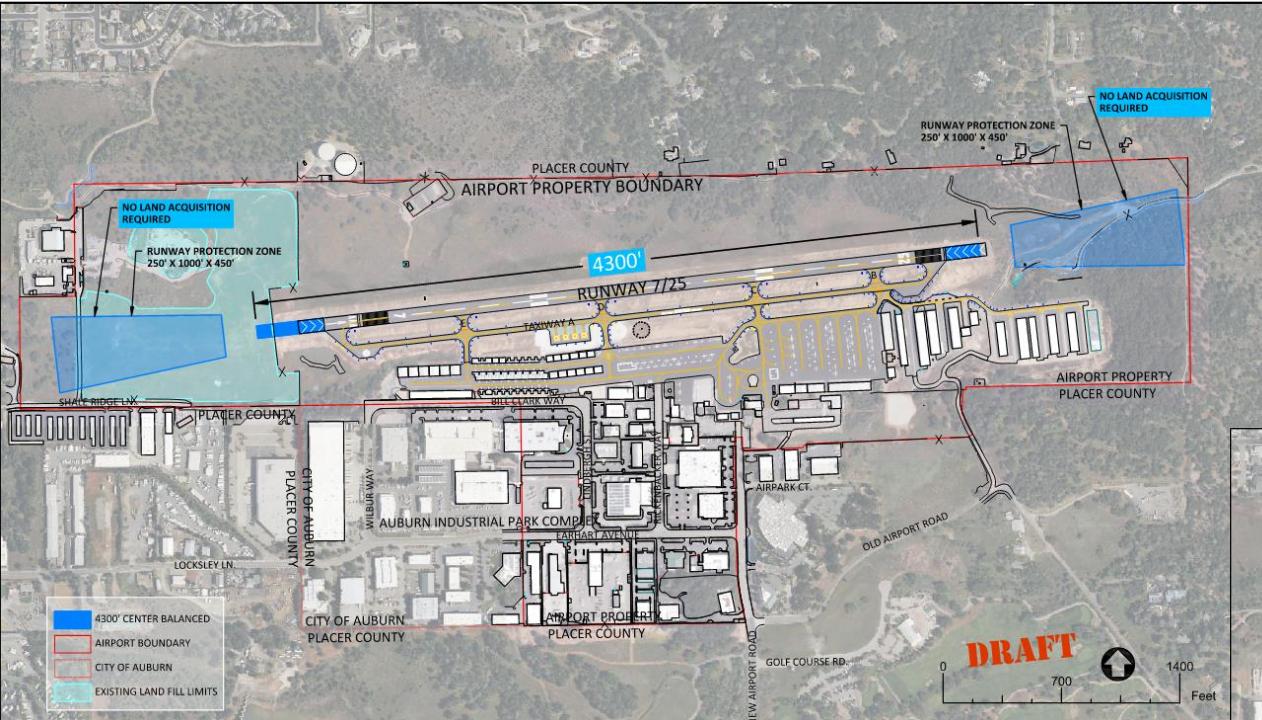
Accelerate Stop Distance:

Total distance required to reach a certain airspeed (v1, as defined by the aircraft manufacturer), experience an engine failure at v1, and bring the airplane to a stop.

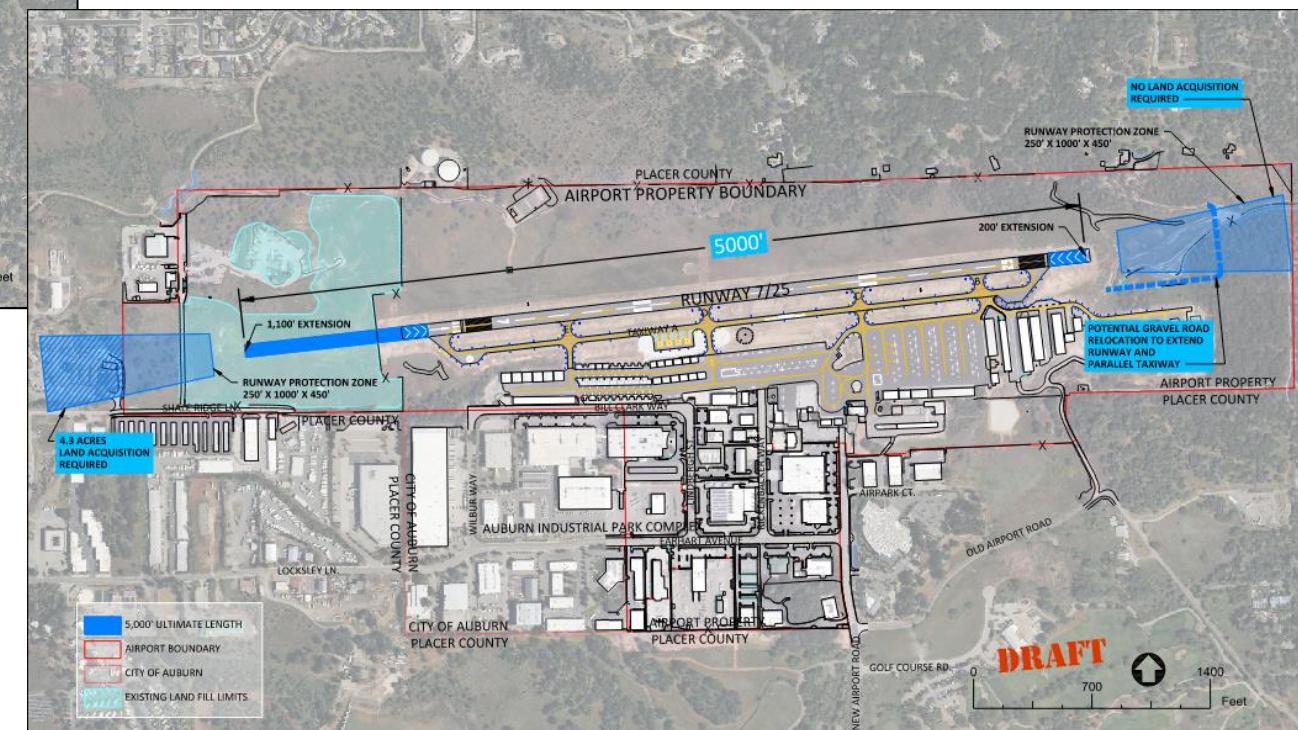
Improvement Alternatives

- Presented Alternatives to drive the Capital Improvement Plan and Airport Layout Plan Update
- Contains the direction the Airport would like to build to during the 20-year planning period
- Efforts focused on:
 - Runway Extensions
 - Terminal Siting
 - Fuel Farm Siting
 - Hangar Development Siting
 - Developments identified in the Northwest, Southwest, Southeast, and East

Alternatives Review :Runway 7/25 Proposed Extensions

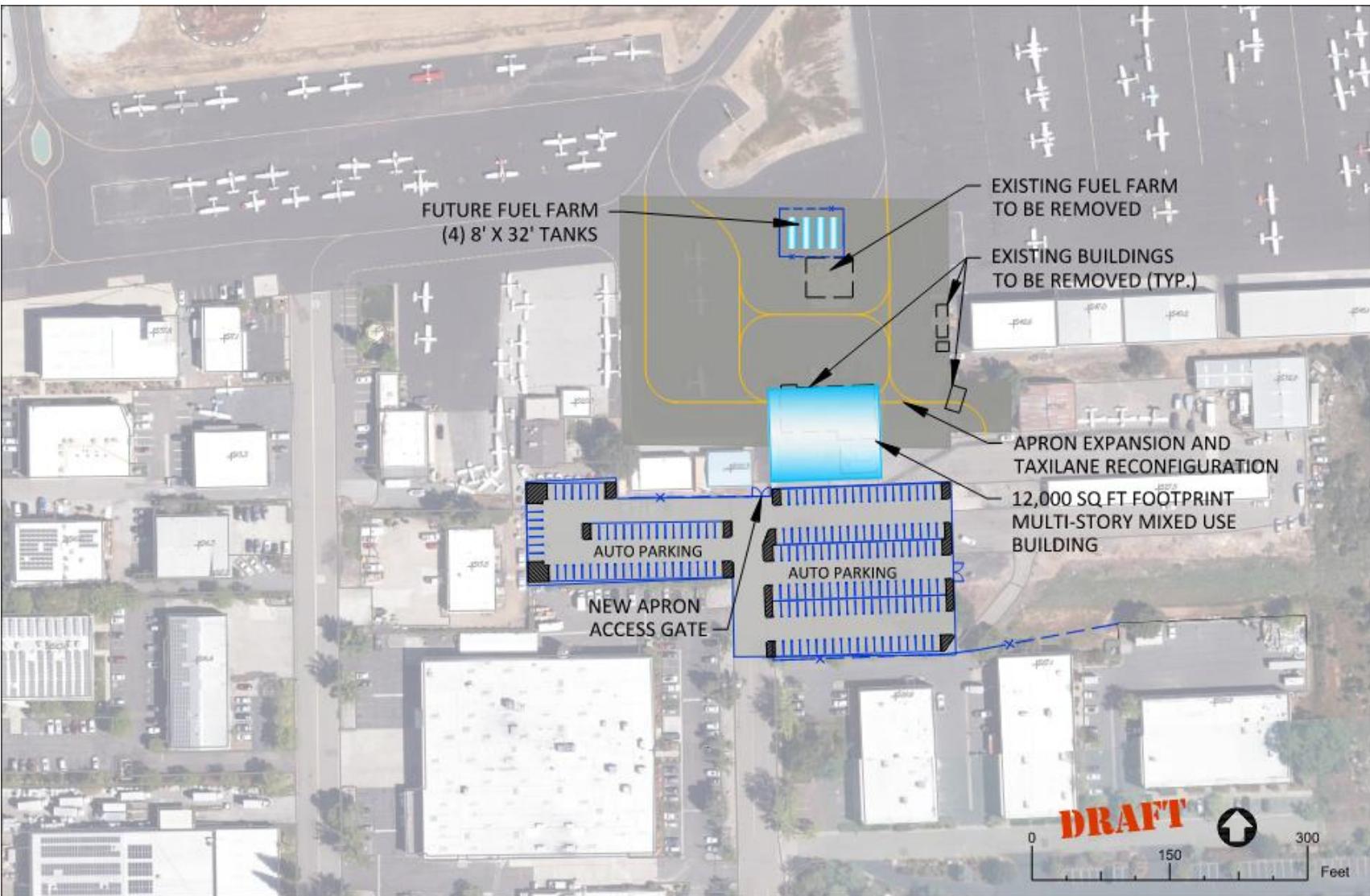


- Near Term Extension
- 4,300 Feet
- Split Extension

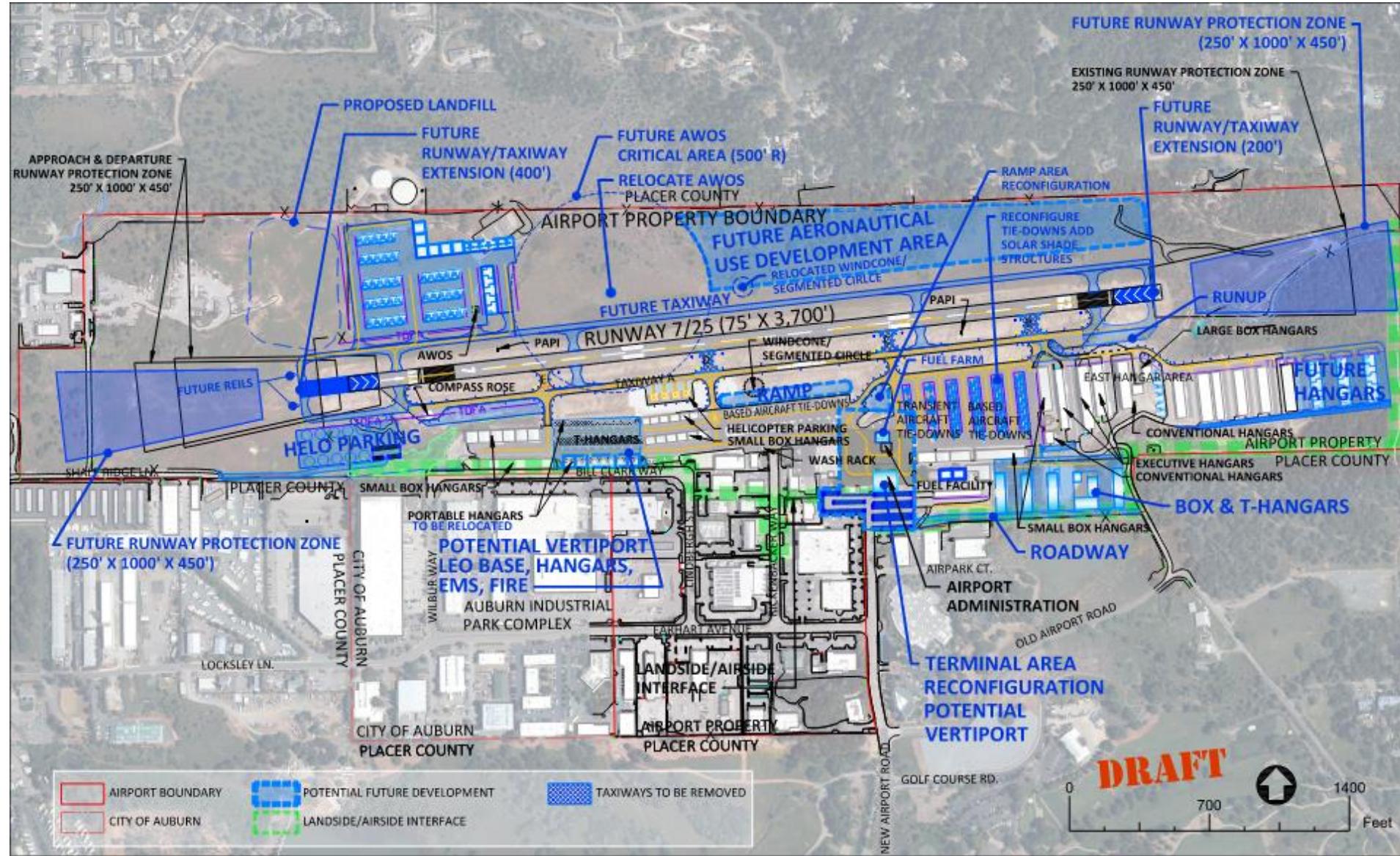


- Ultimate Extension
- 5,000 Feet
- West Extension

Preferred Terminal/Fuel Farm Alternative



Conceptual Development Plan (CDP)



Project List/Cost Estimates

Anticipated Funding Sources

- FAA Airport Improvement Program (AIP) Grants
 - Entitlement and Discretionary
 - <https://www.faa.gov/airports/aip>
- FAA Bipartisan Infrastructure Law (BIL) Grants
 - Airport Infrastructure Grants (AIG) and Airport Terminal Program (ATP)
 - <https://www.faa.gov/bil/airport-infrastructure>
- California Aeronautics Program Funds
 - <https://dot.ca.gov/programs/aeronautics>
- Local/Airport Funds
 - Airport Revenue
- Other Sources
 - Airway Trust Fund (AATF) Facilities and Equipment Fund (F&E)
- Other Unidentified Funding Sources

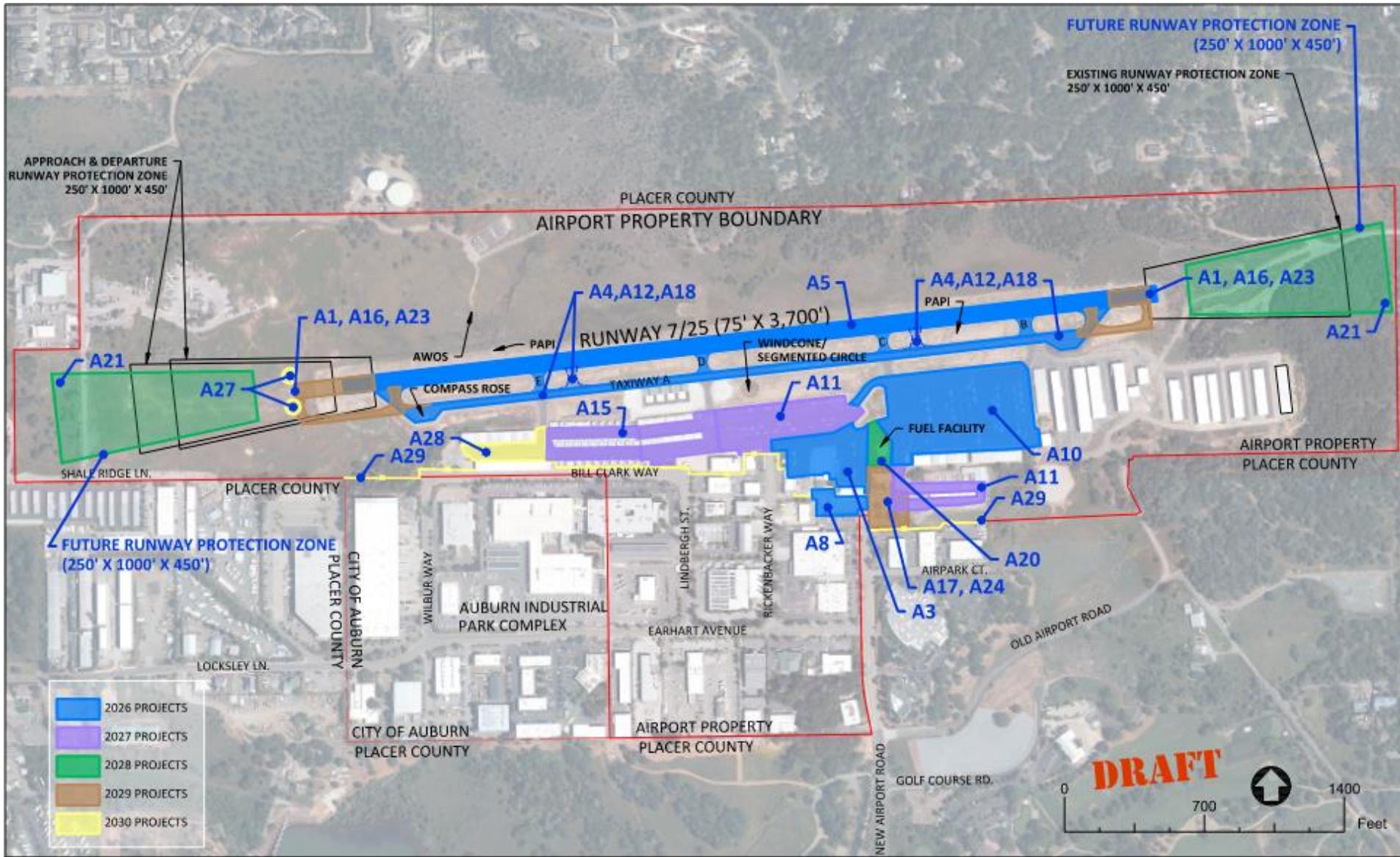
Project Schedule & Estimated Costs – Short Range

Project Number	Year	Project Description	2025 Base Year Cost
A1	2026	4,300' Runway/Taxiway Extension Pre-design/EA	\$500,000
A2	2026	Master Plan CEQA (Not Shown)	\$500,000
A3	2026	Terminal Apron Reconfigure Design and Apron Rehabilitation	\$1,500,000
A4	2026	Taxiway A Rehabilitation/ Connector Relocation Design	\$370,000
A5	2026	Runway Rehabilitation Design	\$550,000
A6	2026	Purchase 3 EV Vehicles and Install Chargers Phase 1 of 3 (Not Shown)	\$100,000
A7	2026	Crack Sealing Pavement Rehabilitation Plan Phase 1 of 5 (Not Shown)	\$1,720,000
A8	2026	Terminal Building Parking Area Design	\$80,000
A9	2026	Wildlife Hazard Site Visit (Not Shown)	\$25,000
A10	2026	Pavement Rehabilitation- East Tiedown Apron	\$1,050,000
A11	2027	Pavement Rehabilitation- Southeast Hangar Row, West Tiedown Apron	\$445,000
A12	2027	Taxiway A Rehabilitation/Relocation Construct- Phase 1	\$2,500,000
A13	2027	Purchase 3 EV Vehicles and Install Chargers Phase 2 of 3 (Not Shown)	\$100,000
A14	2027	Crack Sealing Pavement Rehabilitation Plan Phase 2 of 5 (Not Shown)	\$1,400,000
A15	2027	Pavement Rehabilitation- Taxilanes West of the West Tiedown Apron (Existing Porta Port Hangar Location)	\$1,600,000
A16	2028	Design 4,300' Runway/ Taxiway Extension	\$900,000
A17	2028	Terminal Design	\$900,000
A18	2028	Taxiway A Rehabilitation/Relocation Construct- Phase 2	\$480,000
A19	2028	Purchase 3 EV Vehicles and Install Chargers Phase 3 of 3 (Not Shown)	\$100,000
A20	2028	Terminal Apron Reconfigure Construct	\$3,630,000
A21	2028	Obstruction Removal in Approach Surfaces for RY 7/25	\$65,000
A22	2028	Crack Sealing Pavement Rehabilitation Plan Phase 3 of 5 (Not Shown)	\$1,235,000
A23	2029	Construct 4,300' Runway/ Taxiway Extension	\$9,000,000
A24	2029	Terminal Construction	\$11,000,000
A25	2029	Crack Sealing Pavement Rehabilitation Plan Phase 4 of 5 (Not Shown)	\$1,170,000
A26	2030	Crack Sealing Pavement Rehabilitation Plan Phase 5 of 5 (Not Shown)	\$940,000
A27	2030	Design and Construction Runway End Identifier Lights (REIL) Installation for Runway 7	\$400,000
A28	2030	Pavement Rehabilitation- Far West Taxilane	\$540,000
A29	2030	Construct Perimeter Fencing (Phase 2)	\$330,000
*Short Range Projects Total			\$43,130,000

Source: Auburn Municipal Airport, Mead & Hunt, 2025.

*Note: Totals may not add up due to rounding

Project Phasing Maps- Short Range



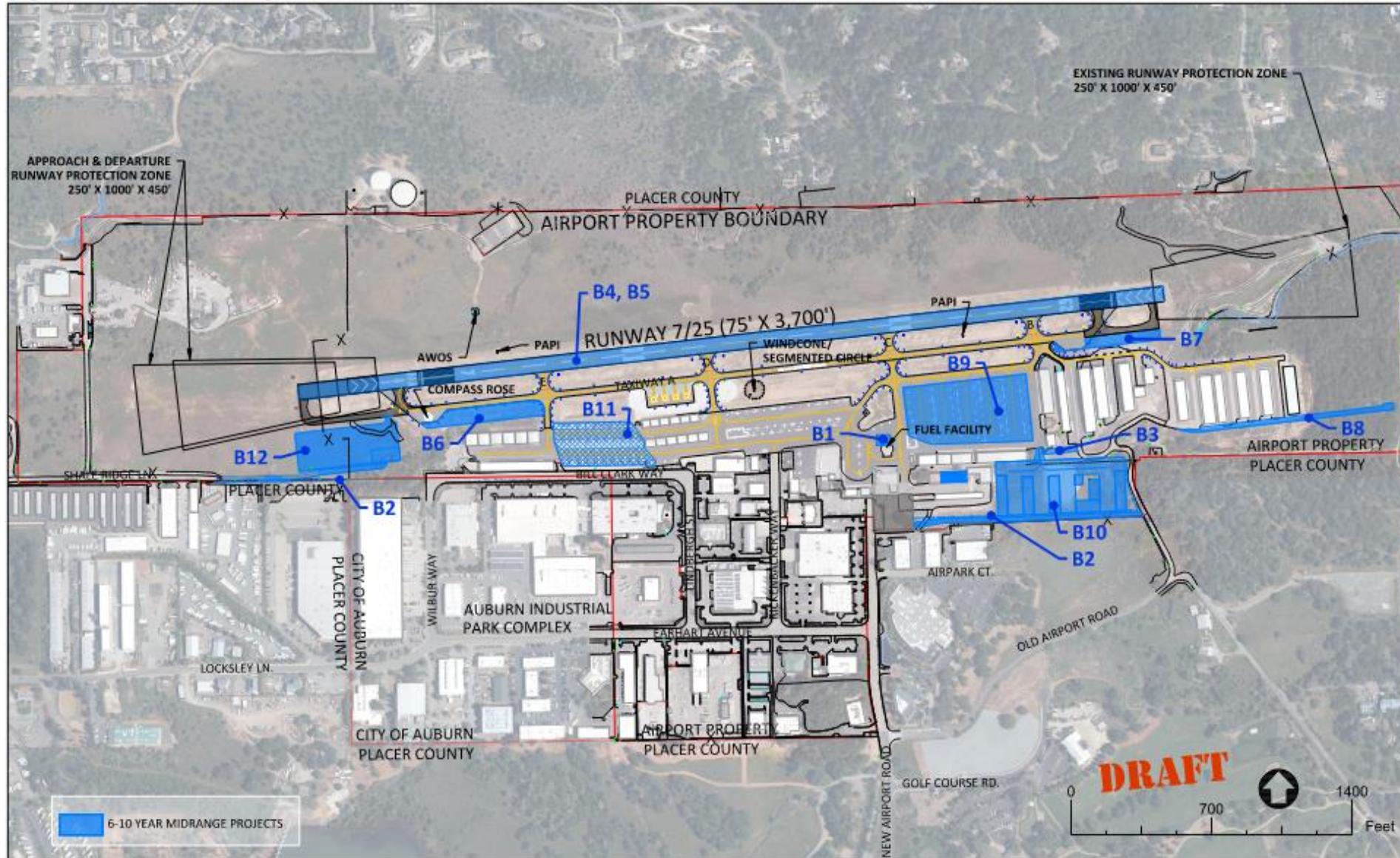
Project Schedule & Estimated Costs – Mid-Range

Project Number	Project Description	2025 Base Year Cost
B1	Fuel Farm Replacement	\$1,000,000
B2	Construct Perimeter Fencing (Phase 3)	\$130,000
B3	Construct Access Road- North of Southeast Hangar Development	\$500,000
B4	Design Resurface of RY 7/25	\$600,000
B5	Construct Resurface RY 7/25	\$4,600,000
B6	Additional Runup Area- Runway 7 End	\$1,540,000
B7	Additional Runup Area- Runway 25 End	\$780,000
B8	East Hangar Area Landside Access Road Extension	\$1,000,000
B9	Reconfigure Aircraft Tiedowns. Construct Solar Shade Hangars- Main Apron Tie Downs	\$1,340,000
B10	Hangar Development Area- Southeast	\$15,000,000
B11	Relocate Portable T Hangars	\$1,000,000
B12	Helicopter Parking Apron- Southwest	\$3,500,000
*Total		\$30,990,000

Source: Auburn Municipal Airport, Mead & Hunt, 2025.

**Note: Totals may not add up due to rounding*

Project Phasing Maps- Mid Range



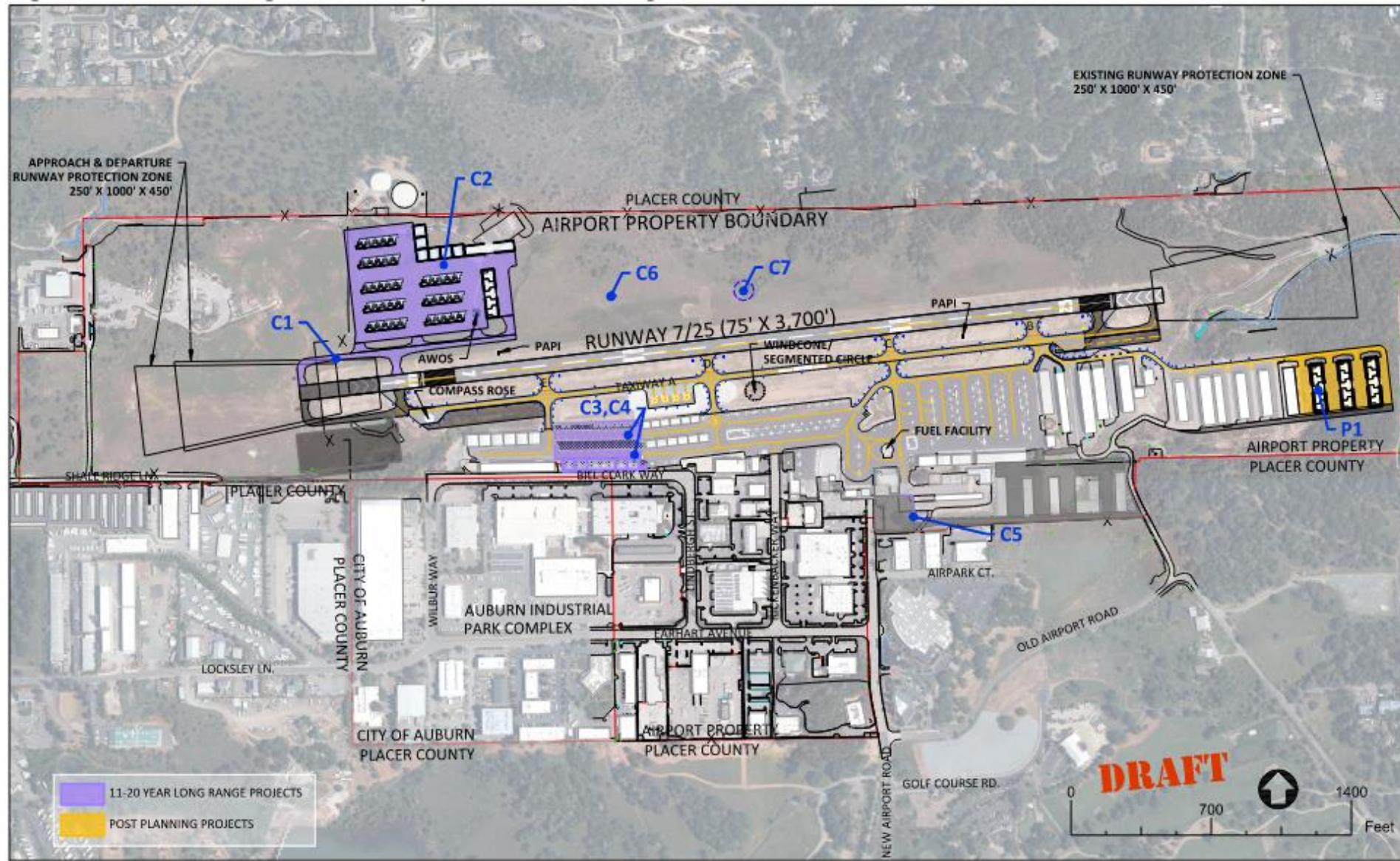
Project Schedule & Estimated Costs – Long Range/ Post Planning

Project Number	Project Description	2025 Base Year Cost
Long Range Projects (11-20 Years)		
C1	Partial Northwest Taxiway	\$3,000,000
C2	General Aviation Development- Northwest Area	\$25,000,000
C3	Rehabilitate Porta Port Apron	\$1,350,000
C4	Reconfiguration of Porta Port Hangar Area	\$265,000
C5	Improve Landside/Airside Interface- Install Gates and Fencing	\$350,000
C6	Relocate AWOS	\$350,000
C7	Relocate Wind Cone/Segmented Circle- Central	\$250,000
*Long Range Projects Total		\$30,565,000
Post Planning Period (20+ Years)		
P1	Hangar Development Area- East	\$8,000,000
*Post Planning Period Total		\$8,000,000
*Capital Improvement Plan Total		\$112,685,000

Source: Auburn Municipal Airport, Mead & Hunt, 2025.

**Note: Totals may not add up due to rounding*

Project Phasing Maps- Long Range/Post Planning



Next Steps

- ALP Approval
- California Environmental Quality Act (CEQA) process
- Master Plan Adoption



Questions & Comments



THANK YOU.

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