



Mead&Hunt



## Final Public Meeting

Auburn Municipal Airport  
Master Plan Update

June 2, 2025

# Consultant Team



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# Today's Agenda

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

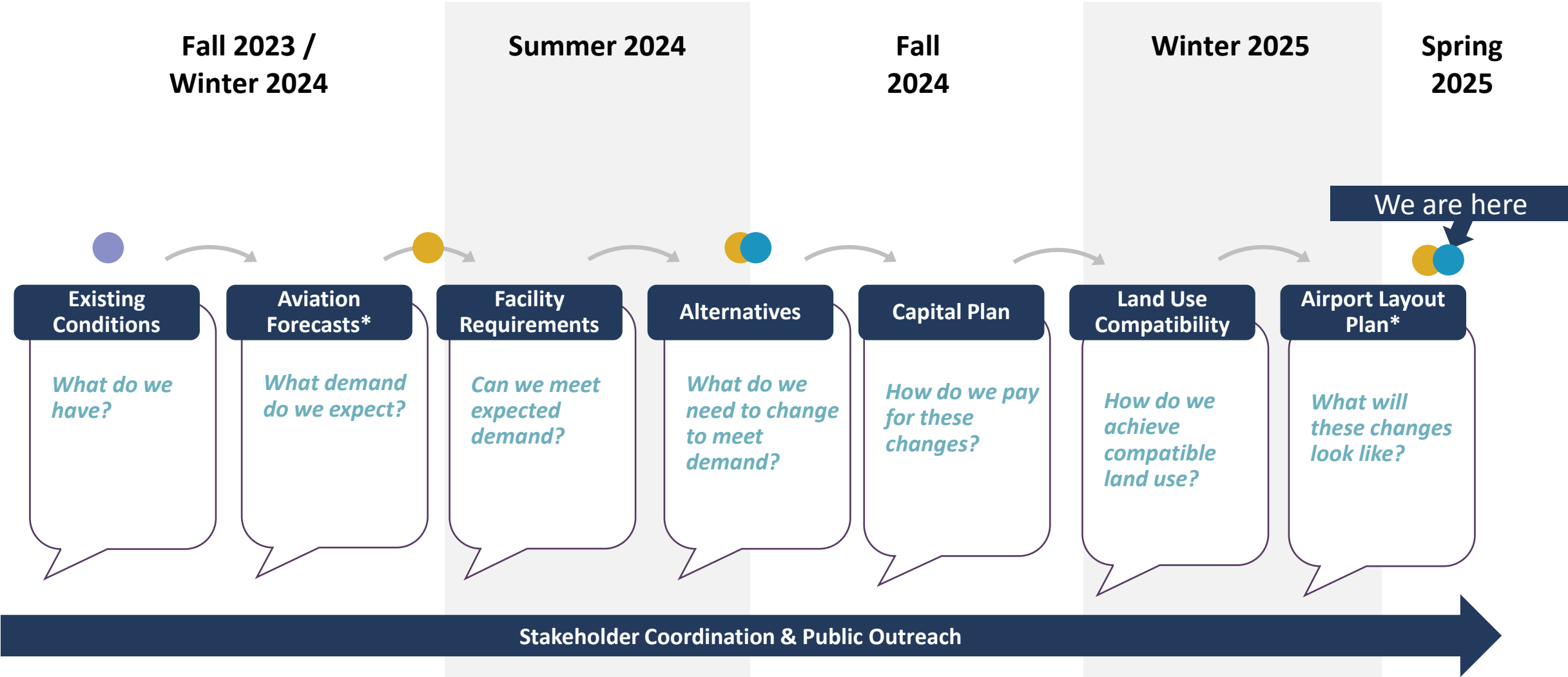


# What is a Master Plan?

- 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

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## Key components:

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

# Forecasts Review

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# Forecasts & Critical Aircraft

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

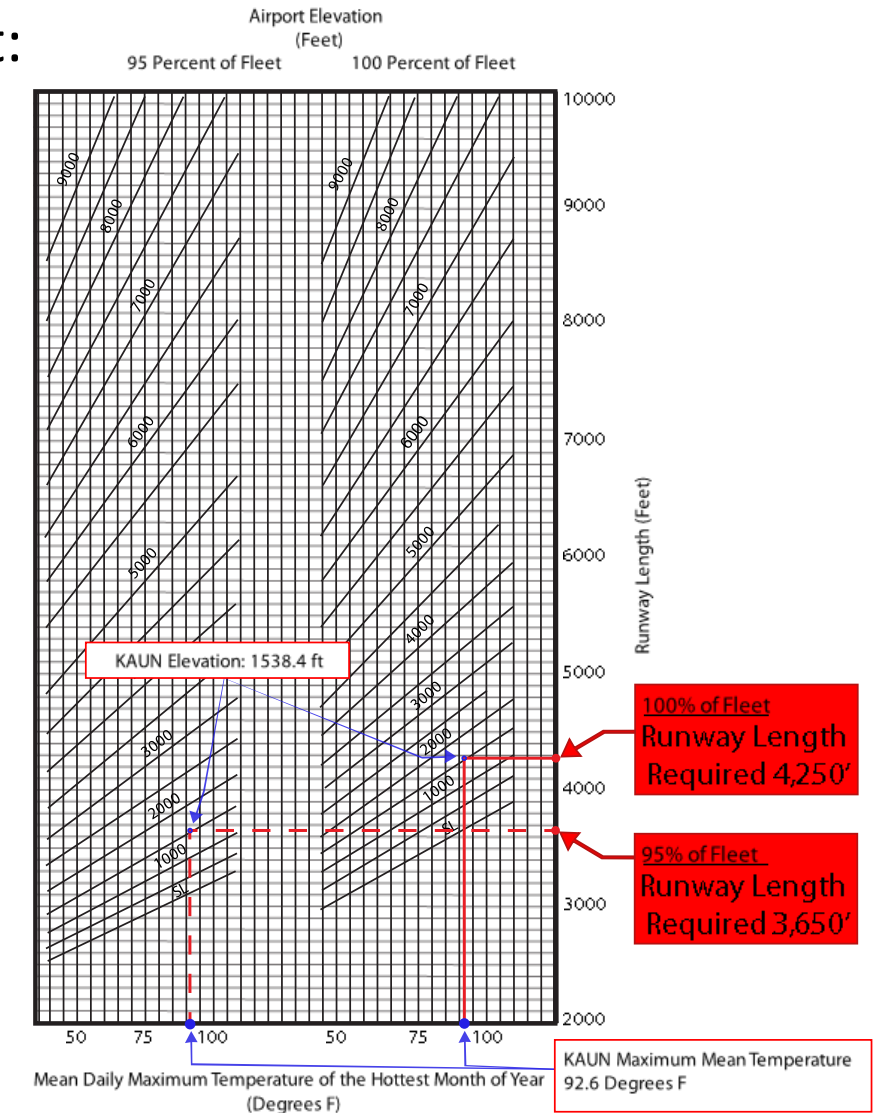
# Facility Requirements/ Improvement Alternatives

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# 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:
Runway Length Sources:
Note:
Accelerate Stop Distance:

FlightAware, AUN Operations 2023 Fiscal Year.
Pilot Operating Handbooks and Manufacturer Airplane Flying Manuals.
Temperature 33.6° C, Pressure Altitude 1538,
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

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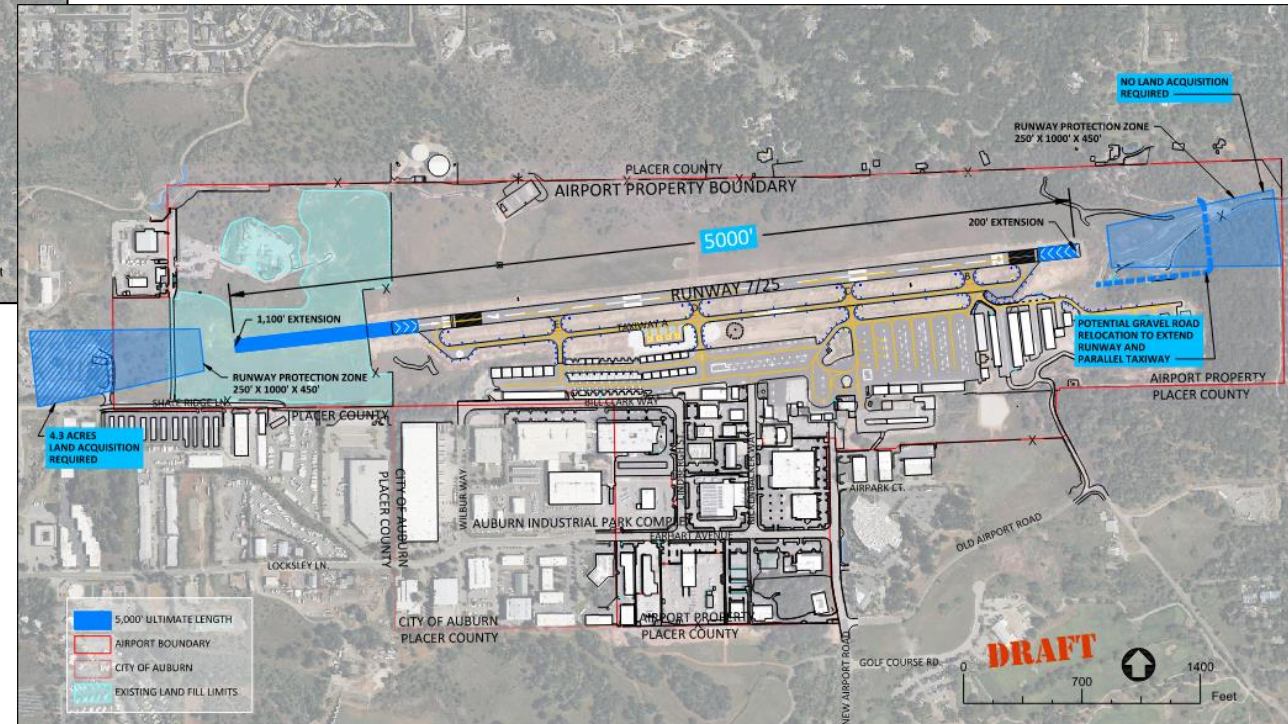
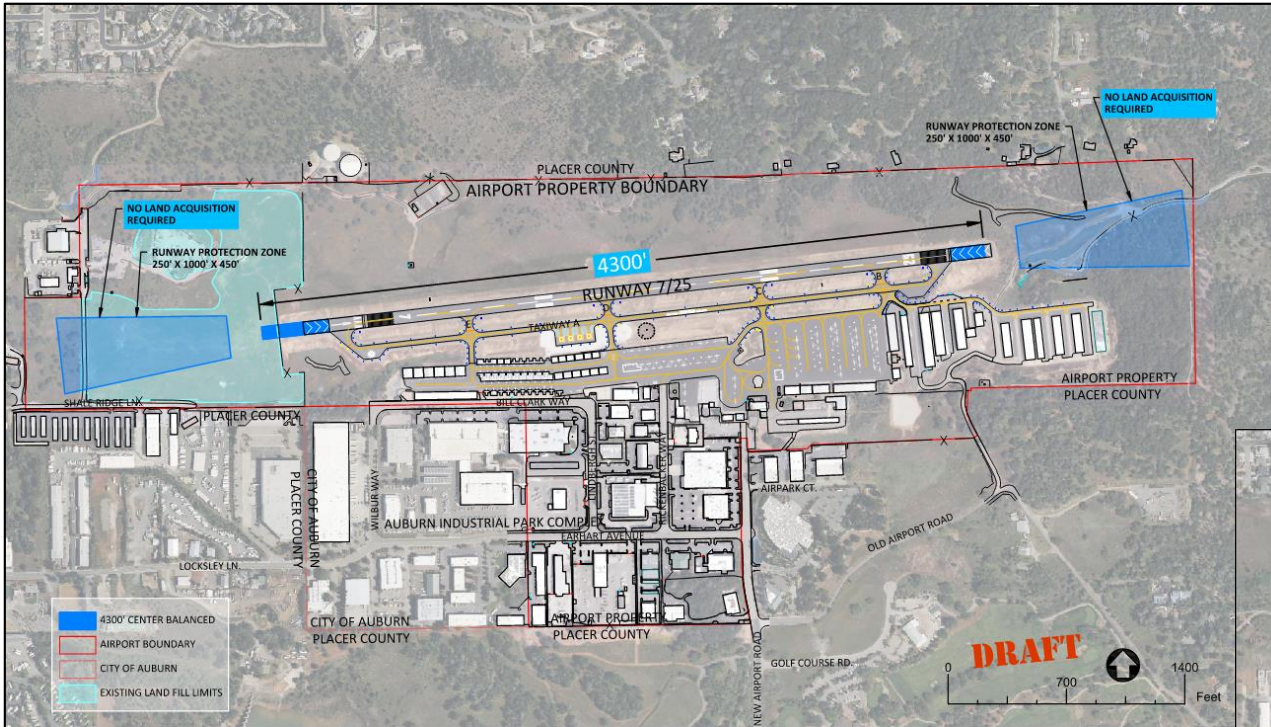
- Presented Alternatives to drive the Capital Improvement Plan and Airport Layout Plan Update
- Contains the direction the Airport would like to build to during the 20-year planning period
- Efforts focused on:
  - Runway Extensions
  - Terminal Siting
  - Fuel Farm Siting
  - Hangar Development Siting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



# Alternatives Review :Runway 7/25 Proposed Extensions

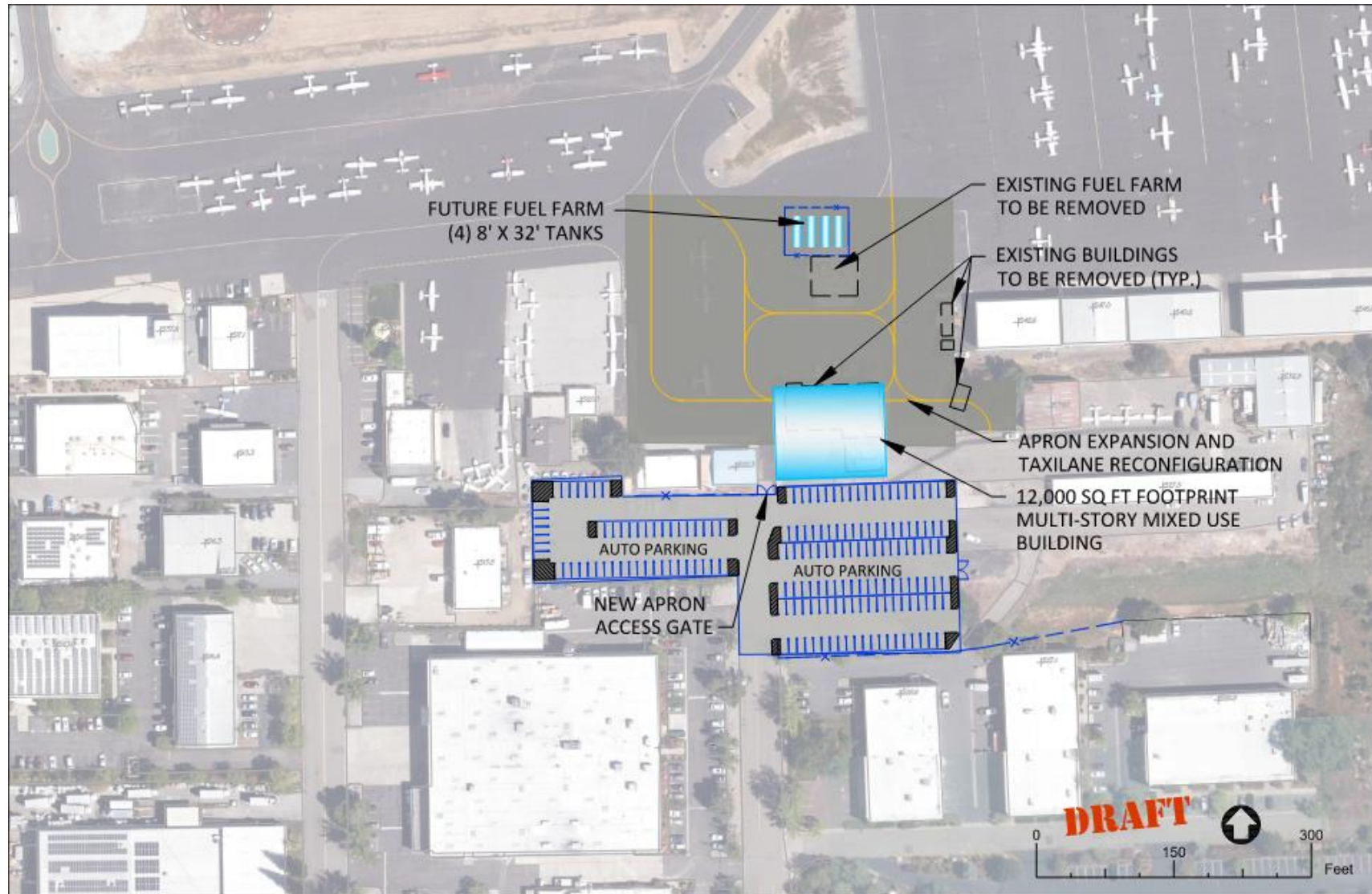
- Ultimate Extension
- 5,000 Feet
- West Extension

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





# Preferred Terminal/Fuel Farm Alternative





**FUTURE RUNWAY PROTECTION ZONE**  
(250' X 1000' X 450')

**EXISTING RUNWAY PROTECTION ZONE**  
250' X 1000' X 450'

**FUTURE RUNWAY/TAXIWAY EXTENSION (200')**

**RAMP AREA RECONFIGURATION**

**RECONFIGURE TIE-DOWNS ADD SOLAR SHADE STRUCTURES**

**PAPI**

**RUNUP**

**LARGE BOX HANGARS**

**FUEL FARM**

**EAST HANGAR AREA**

**FUTURE HANGARS**

**CONVENTIONAL HANGARS**

**AIRPORT PROPERTY PLACER COUNTY**

**EXECUTIVE HANGARS**

**CONVENTIONAL HANGARS**

**BOX & T-HANGARS**

**ROADWAY**

**SMALL BOX HANGARS**

**AIRPARK CT.**

**AIRPORT ADMINISTRATION**

**OLD AIRPORT ROAD**

**GOLF COURSE RD.**

**NEW AIRPORT ROAD**

**TERMINAL AREA RECONFIGURATION POTENTIAL VERTIPORT**

**LANDSIDE/AIRSIDE INTERFACE**

**AIRPORT PROPERTY PLACER COUNTY**

**LANDSIDE/AIRSIDE INTERFACE**

**CITY OF AUBURN PLACER COUNTY**

**LOCKLEY LN.**

**WILBUR WAY**

**POTENTIAL VERTIPORT LEO BASE, HANGARS, EMS, FIRE**

**PORTABLE HANGARS TO BE RELOCATED**

**SMALL BOX HANGARS**

**BILL CLARK WAY**

**T-HANGARS**

**COMPASS ROSE**

**AWOS**

**PAPI**

**WINDCONE/ SEGMENTED CIRCLE**

**RAMP**

**BASED AIRCRAFT TIE-DOWNS**

**HELICOPTER PARKING**

**SMALL BOX HANGARS**

**WASH RACK**

**FUEL FACILITY**

**TRANSIENT AIRCRAFT TIE-DOWNS**

**BASED AIRCRAFT TIE-DOWNS**

**RELOCATE AWOS PLACER COUNTY**

**FUTURE AWOS CRITICAL AREA (500' R)**

**FUTURE TAXIWAY**

**RUNWAY 7/25 (75' X 3,700')**

**AIRPORT PROPERTY BOUNDARY**

**FUTURE AERONAUTICAL USE DEVELOPMENT AREA**

**RELOCATED WINDCONE/ SEGMENTED CIRCLE**

**PROPOSED LANDFILL**

**FUTURE RUNWAY/TAXIWAY EXTENSION (400')**

**APPROACH & DEPARTURE RUNWAY PROTECTION ZONE 250' X 1000' X 450'**

**FUTURE REILS**

**HELO PARKING**

**SHAFF RIDGE LAY**

**CITY OF AUBURN PLACER COUNTY**

**LEGEND:**

- AIRPORT BOUNDARY
- CITY OF AUBURN
- POTENTIAL FUTURE DEVELO



# Project List/Cost Estimates

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# Anticipated Funding Sources

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- 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

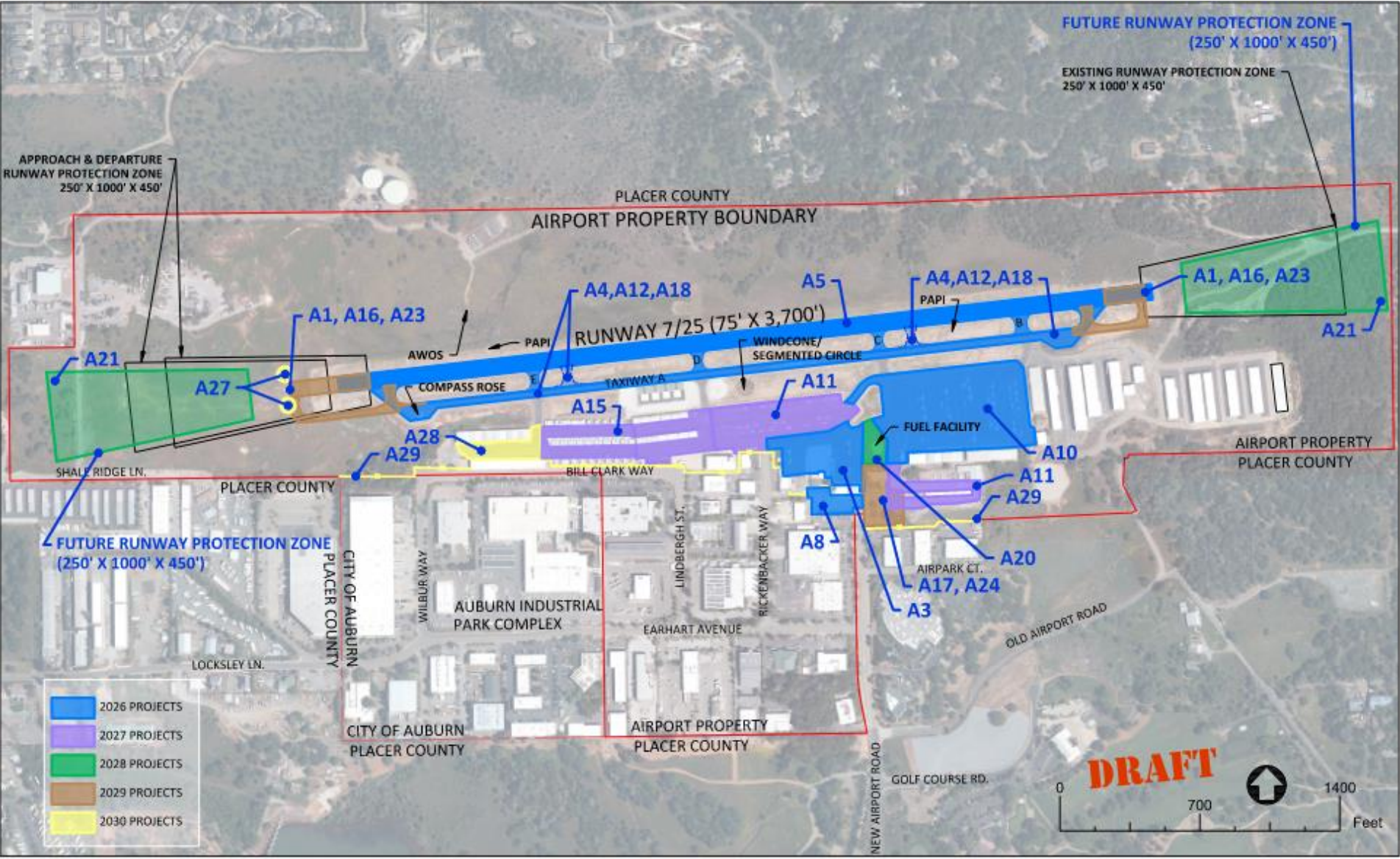
# Project Schedule & Estimated Costs – Short Range

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
<b>*Short Range Projects Total</b>			<b>\$43,130,000</b>

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

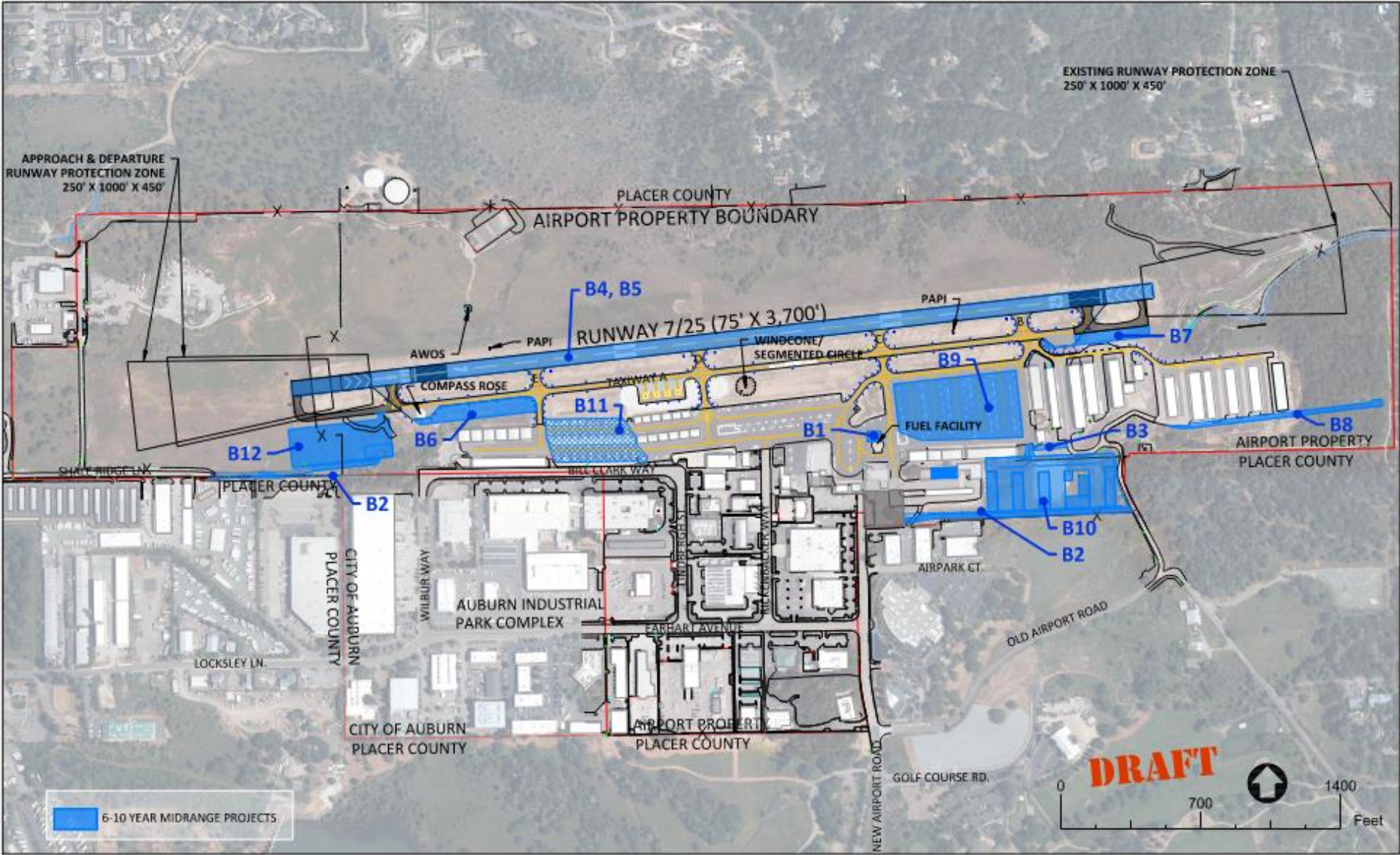
Project Number	Project Description	2025 Base Year Cost
B1	Fuel Farm Replacement	\$1,000,000
B2	Construct Perimeter Fencing (Phase 3)	\$130,000
B3	Construct Access Road- North of Southeast Hangar Development	\$500,000
B4	Design Resurface of RY 7/25	\$600,000
B5	Construct Resurface RY 7/25	\$4,600,000
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
<b>*Total</b>		<b>\$30,990,000</b>

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

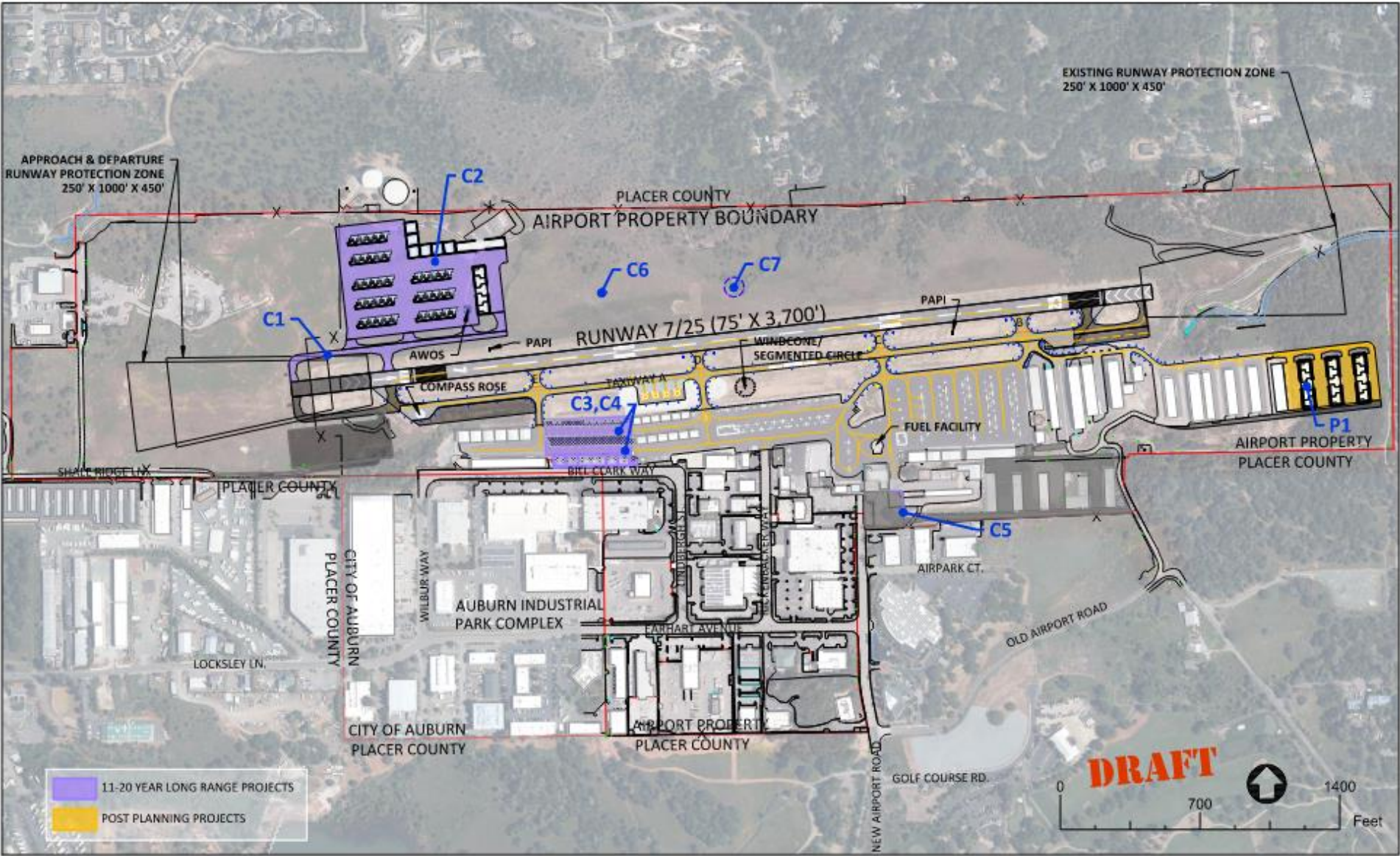
Project Number	Project Description	2025 Base Year Cost
Long Range Projects (11-20 Years)		
C1	Partial Northwest Taxiway	\$3,000,000
C2	General Aviation Development- Northwest Area	\$25,000,000
C3	Rehabilitate Porta Port Apron	\$1,350,000
C4	Reconfiguration of Porta Port Hangar Area	\$265,000
C5	Improve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

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

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

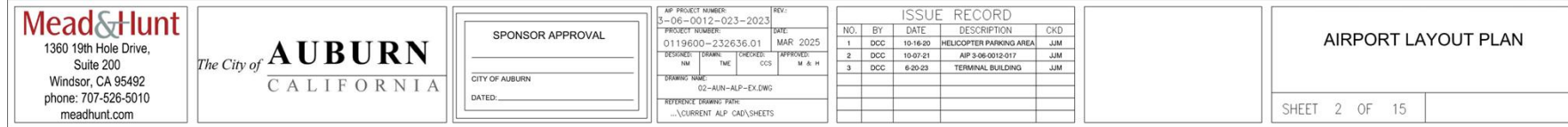


# Project Phasing Maps- Long Range/Post Planning





## Mead&amp;Hunt



# Next Steps

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



# Questions & Comments

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# THANK YOU.

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