

Aurora State Airport Master Plan Project



Planning Advisory Committee Working Session
Online Meeting
April 5, 2022

Meeting Process & Agenda

Time	Topic
3:00-3:05	Introductions
3:05-3:25	Quick Review of Draft Working Paper #1 Materials
3:25-4:35	PAC Comments
4:35-4:40	Snapshot of Survey Results
4:40-4:50	Public Comments https://publicproject.net/AuroraAirport
4:50-5:00	Next Steps/PAC Themes

Introductions

In Attendance

Panelists

- Oregon Department of Aviation (ODAV) Staff
- Century West Engineering (Prime Contractor)
- JLA Public Involvement (Meeting Facilitator)
- Federal Aviation Administration (FAA) Staff
- Planning Advisory Committee (PAC) Members

Attendees

- Members of the Public

PAC Meetings*

- AMP introduction – Nov 2021
- Existing conditions – Mar 2022
- Working Session – Apr 2022 ← **We are here**
- Facility goals and requirements – May 2022
- MOS/RPZ Analysis – Jul 2022
- Preliminary development alternatives – Aug 2022
- Optional meeting – if needed
- Preferred development alternatives – Sep 2022
- Implementation plan and CIP – Nov 2022

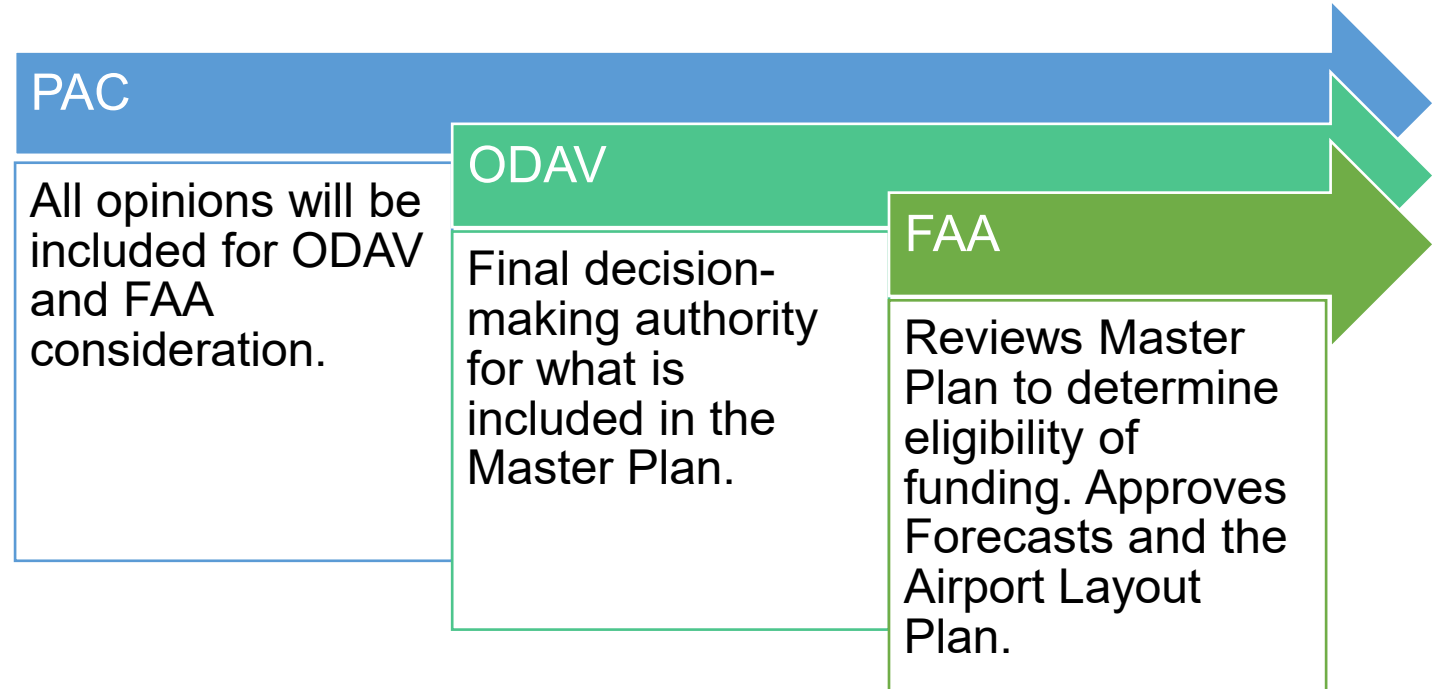
* *The schedule is flexible and may be changed*

PAC Meeting Guidelines

- Meeting time will be allocated for all committee members to speak.
- Meetings summaries will be prepared and distributed following the meetings; to include all comments along with responses/follow up.
- Comments on non-agenda items should be provided in writing. Community members are encouraged to provide comments at least three days before meetings to allow members time to review and reflect on comments.
- As a committee, we agree to approach this work with honesty, openness and willingness to work together.
- This includes building trust and assuming good intentions in others and ensuring that our behavior supports a successful process. We will work with each other and staff to address issues as they arise, utilize tools to ensure clear communication and robust participation, and meet the communication needs of members.

Decision-Making

- **PAC** = Round table discussions and collection of committee member opinions at decision points. All opinions will be included in the meeting summary.
- **ODAV** = as the airport sponsor, will be the final decision-making authority. They will decide what is included in the Master Plan.
- **FAA** = reviews chapters of the Master Plan and has approval authority for the Aviation Activity Forecasts and the Airport Layout Plan.



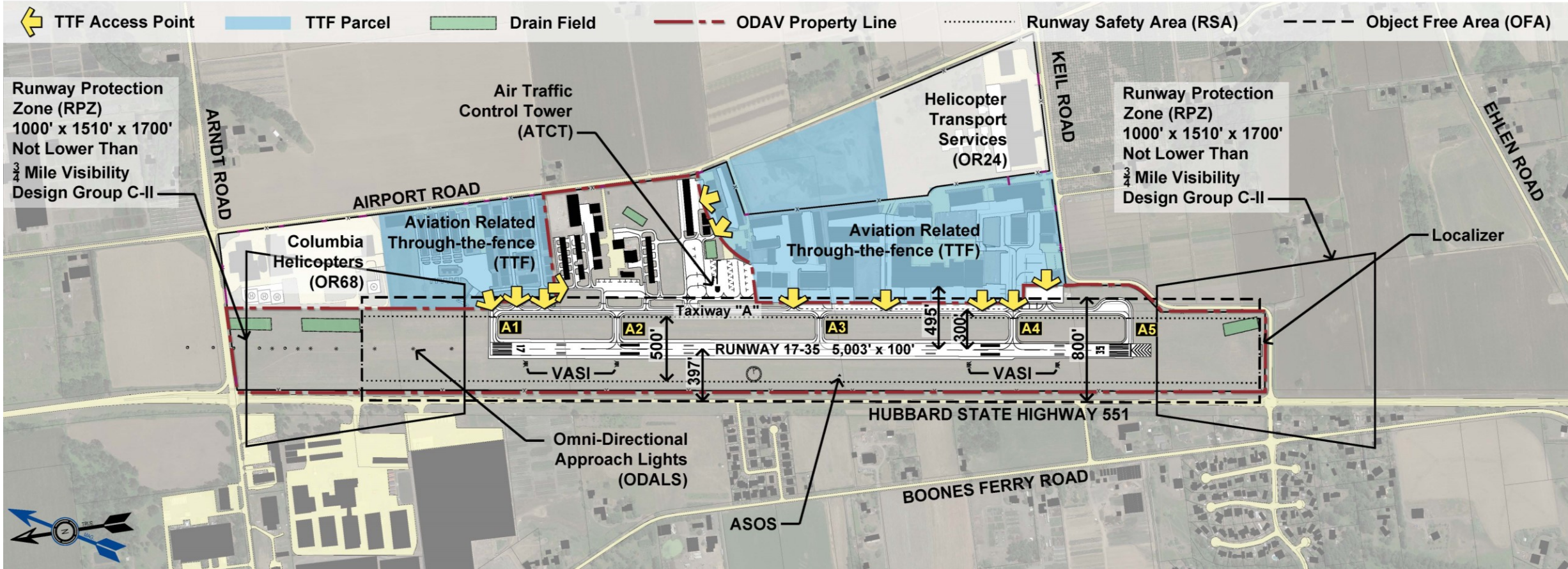
Review of Draft Working Paper #1

Aurora Airport Property – ODAV Owned



The enhanced area depicts land owned by ODAV and is considered "on-airport."

Existing Conditions Overview



Existing Based Aircraft / Operations

	Based Aircraft	Operations
Total	281	76,028

Source: Based Aircraft Data - National Based Aircraft Inventory – January 2022
 Operations Data - Historic ATCT Data (Adjusted) – Calendar Year 2021

Forecast Based Aircraft / Operations

	CAGR	2021	2026	2031	2036	2041
Based Aircraft Forecast - Recommended						
Federal Contract Tower (Oregon) TAF Model	1.1%	281	300	317	333	350
Operations Forecast - Recommended						
TFMSC Historic Trend (20-Year)	2.3%	76,028	85,201	95,480	107,000	119,909

Source: Century West Engineering
 CAGR: Compound Annual Growth Rate

FAA Design Standards

The design standards for an airport are determined by the current and future **Design Aircraft**;

The Design Aircraft is defined as the most demanding aircraft or grouping of aircraft that make **regular use** of the airport; and

Regular use is 500 annual operations (takeoffs and landings), including both itinerant and local operations, but excluding touch-and-go operations.

Current and Future Design Aircraft

The existing and future design aircraft identified in the aviation activity forecasts corresponds to Airport Reference Code C-II (ARC C-II)

C-II, D-II



Gulfstream II, III, IV
Canadair 600
 Canadair Regional Jet
 Lockheed JetStar

AIRPORT REFERENCE CODE (ARC)

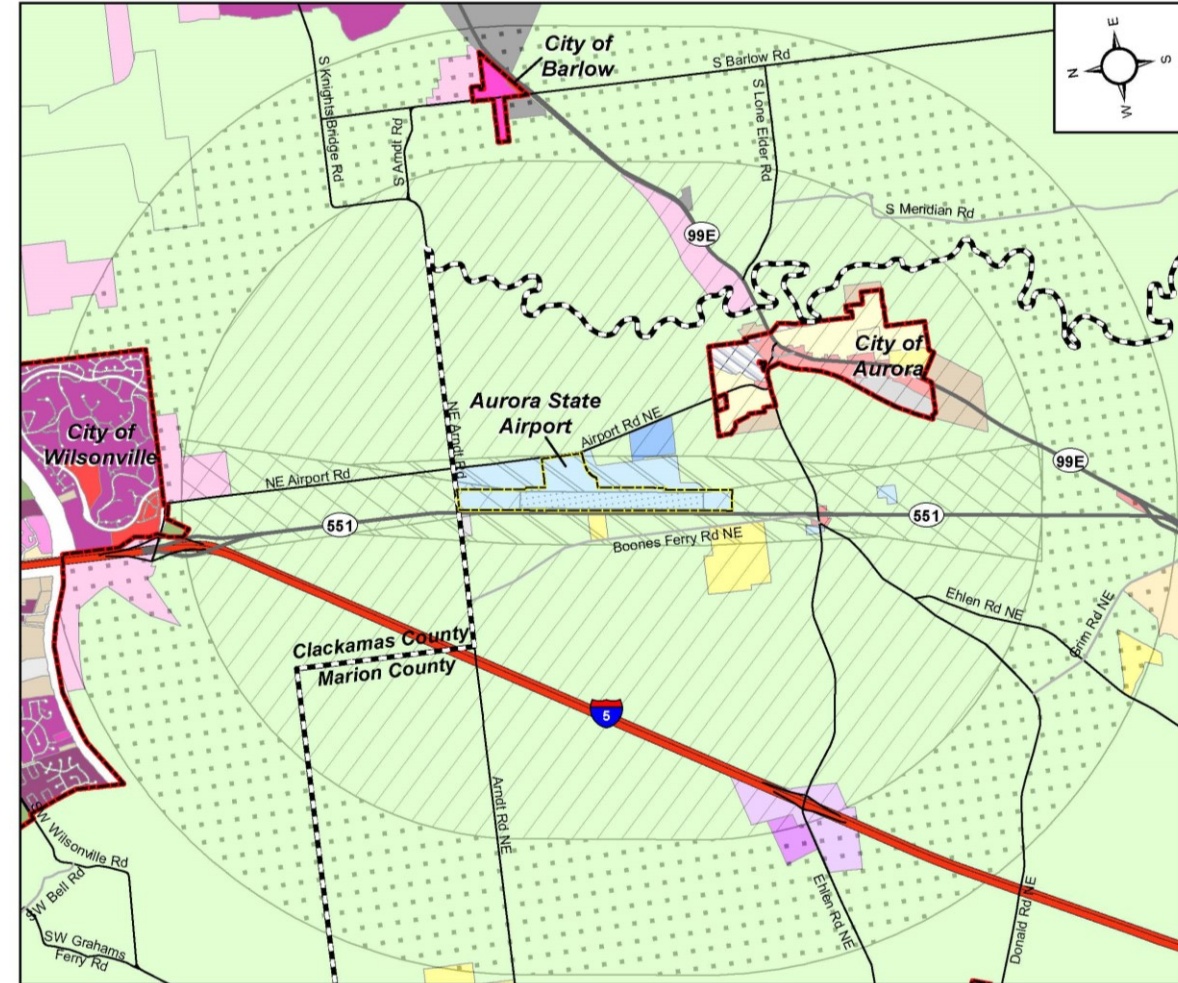
Aircraft Approach Category	Aircraft Approach Speed	Airplane Design Group	Aircraft Wingspan
A	less than or equal to 91	I	less than or equal to 49'
B	92 to 121	II	50' to 79'
C	122 to 141	III	80' to 118'
D	142 to 166	IV	119' to 171'

A-I (small) 12,500 lbs. or less	 Beech Baron 55 Beech Bonanza Cessna 182 Piper Archer	B-I (small) 12,500 lbs. or less	 Beech Baron 58 Beech King Air C90 Cessna 402 Cessna 421	A-II, B-II (small) 12,500 lbs. or less	 Super King Air 200 Pilatus PC-12 DCH Twin Otter Cessna Caravan
ARC - B-II Greater than 12,500 lbs.	 Super King Air 300, 350 Beech 1900 Cessna Citation Falcon 20, 50	A-III, B-III Greater than 12,500 lbs.	 DHC Dash 7, Dash 8 Q-200, Q-300 DC-3 Convair 580	C-I, D-I	 Lear 25, 35, 55, 60 Israeli Westwind HS 125-700
C-II, D-II	 Gulfstream II, III, IV Canadair 600 Canadair Regional Jet Lockheed JetStar	C-III, D-III	 Boeing Business Jet Gulfstream 650 B 737-300 Series MD-80, DC-9	C-IV, D-IV	 B - 757 B - 767 DC - 8-70 DC - 10

Source: Century West Engineering

Land Use

- Marion County has land use authority over the Airport and the adjacent privately-owned properties accommodating aviation activity. This includes through-the-fence airport users and two private off-airport heliports.
- Airport overlay zoning is the responsibility of each local jurisdiction based on the requirements of Oregon land use law.



Marion County Zoning ¹	Clackamas County and City of Wilsonville Zoning ²	City of Aurora Zoning ³	FAR Part 77 Overlay ⁴
AR	CN	C	Primary Surface
C	EFU	FH	Approach Surface
EFU	FUD	I	Transitional Surface
I	IC	R1	Horizontal Surface
ID	MFR1	R2	Conical Surface
ID-LU	PF	SFR3	
P	RI	SFR5	
P-LU	RRFU	SFR7	
RS	SFR10		
UT-20	SFR2		

Utilities



Water and sewer services at the Airport are accommodated through wells and septic systems. The systems are privately-owned or ODAV-owned. All systems are permitted through Marion County.

- Water
 - Two ODAV-owned wells service ODAV-facilities; privately-owned wells service TTF areas.
- Sanitary Sewer
 - There are at least nine individual drain fields located on ODAV-owned property that are shared for aviation related uses on both private and publicly owned land.

**Clarifying
Questions?**

PAC Comments

Poll Questions

Survey Snapshot

Who took the survey?

Approximately 450 people

- Residential neighbors
- Local pilots
- Businesses that are at/interact with the airport

When planning for the future of the Airport, which three topics do you believe are most important?

- Airport impact on the rural environment
- Runway extension that would remove operational constraints for the airport
- Impacts of nearby roads and highways
- Area land uses
- Lack of available hangar space

Public Comments

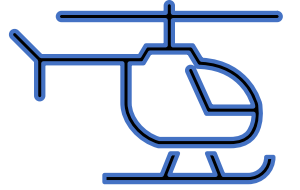
Next Steps

Next Steps

- Deadline **April 12th** for PAC review of draft Working Paper #1.
 - Comments and questions may be submitted on the project website:
<https://publicproject.net/AuroraAirport#>
- FAA will review draft Working Paper #1 and any input provided from the PAC.
- After review, FAA will provide a formal approval of the recommended forecast.

Common Themes from PAC Meeting #2

Off-Airport Aircraft Activity



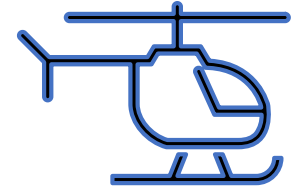
Flight Activity

- Aircraft in flight are regulated solely by FAA.
- Pilots are responsible for the safe operation of their aircraft.
- Aircraft movements within the local controlled airspace associated with an operational air traffic control tower (ATCT) are under the control of the ATCT.

Noise

- FAA has indicated that since the off-airport helicopter bases (HTS and Columbia) do not use airport facilities, the noise modeling should not include HTS and Columbia activity for the Airport Master Plan.

Aircraft Activity



Where to report noise concerns?

- Off-airport operators **daytime noise** related issues can be reported to Code Enforcement at **(503) 373-4333**.
- Off-airport operators **nighttime noise** related issues can be reported to the Marion County Sheriff's non-emergency number **(503) 588-5032**.
- Marion County has a noise complaint website with additional information that can be found here:
<https://www.co.marion.or.us/SO/Operations/CodeEnforcement/Pages/NoiseComplaints>.
- FAA Flight Standards District Office (FSDO) oversees pilots for in-flight activity concerns/safety. Portland FSDO **(503) 615-3200**.
- On-airport noise related concerns, contact ODAV at **(503) 378-4880**.

Surface Transportation

Future highway or local roadway improvements surrounding the airport are the responsibility of the jurisdiction that owns and maintains the road.

- Oregon Department of Transportation (ODOT)
 - Interstate 5 (I-5)
 - Hubbard Highway (OR-551)
- Marion County
 - Airport Road NE
 - Arndt Road
 - Keil Road

Development projects at the Airport may require transportation studies for permit approval based on Marion County code.

Funding

- ODAV Agency Funding
 - Airport User Fees
 - Aviation Fuel Taxes
 - No state general funds received for ODAV operations.
- FAA Funding - Airport Improvement Program (AIP)
 - Aviation Trust Fund is funded through taxes on airline tickets and aviation fuel.
- How can these funds be used?
 - FAA funding is limited to FAA-approved projects/uses
 - Oregon Aviation funding can only be used for on-airport eligible projects.

Environmental Concerns – Leaded Aviation Fuel



Addressing leaded aviation fuel concerns is not within the scope of the Airport Master Plan project or ODAV authority.

- Under the Clean Air Act (CAA), the Environmental Protection Agency (EPA) has the authority (in consultation with the FAA) to regulate emissions from aircraft.
 - Currently there are no regulations that apply to emissions from aircraft that use leaded fuel.
 - There are ongoing nationwide efforts to address leaded fuel use in aviation and also emissions from jet exhaust. The purpose of these efforts is to investigate fuel alternatives to reduce emissions and the presence of lead in aviation fuel.
 - More information is available at: https://www.faa.gov/airports/environmental/air_quality and <https://www.faa.gov/newsroom/leaded-aviation-fuel-and-environment>

Thank You

Heather Peck – ODAV

Sarah Lucas – ODAV

Brandy Steffen – JLA Public Involvement

David Miller – Century West Engineering



Project Website: <https://publicproject.net/AuroraAirport>