Birchwood Airport Master Plan Update

Project No. CFAPT00354/AIP 3-02-0034-008-2018

Public Workshop #3

Prepared for Alaska Department of Transportation & Public Facilities

Presented and facilitated by HDL Engineering Consultants & Agnew::Beck Consulting

November 12, 2022; 10:00 AM – 2:00 PM



Welcome & Introductions

About Our Team

The Alaska Department of Transportation and Public Facilities is leading the process with assistance from a consulting team:











Land Acknowledgement

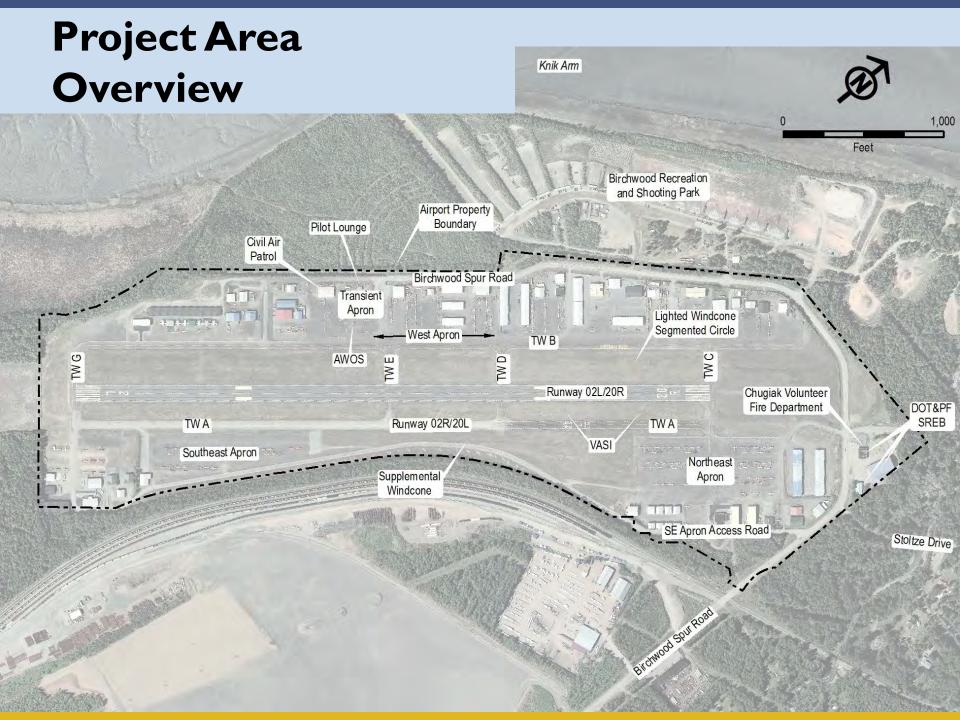
Dena'inaq ełnen'aq' gheshtnu ch'q'u yeshdu.

(Dena'ina)

Translation by J. Isaak and S. Shaginoff-Stuart

I live and work on the land of the Dena'ina.

(English)

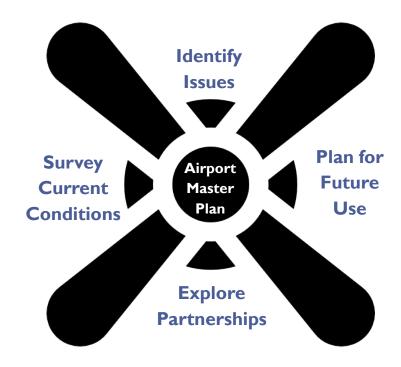


Land Ownership



Project Purpose

To determine how the airport can best serve the future interests and needs of the flying public, aviation community, Alaska Department of Transportation & Public Facilities (DOT&PF), and other stakeholders.



Project Schedule



Community involvement

occurs
throughout,
including
interviews,
stakeholder
working group
meetings, and
three public
meetings.



Stakeholder Advisory Group (SAG)

The SAG is providing feedback on the planning process and draft deliverables:

DOT&PF

Aircraft Owners & Pilots Association

Alaska Railroad

Birchwood Airport Association

Birchwood Civil Air Patrol Birchwood Community Council Birchwood Recreation & Shooting Park

Eklutna, Inc.

NOTE: The SAG is not a voting or decision-making body.

Native Village of Eklutna

Talon Hangar Condominium Association, Inc.

Progress Since October 2021

- Second Stakeholder Advisory Group and Public Meetings (Fall 2021)
- Airport Stakeholder Survey (Spring 2022)
- Project Received Additional Funding Based on Public Involvement (Summer 2022)
- DOT Decision to Plan for Existing Runway Length & Width (Summer 2022)
- Public-Private Partnership Summary

Meeting Purpose

- Confirm project purpose, schedule, progress, and next steps.
- Share and get public input on the revised airport layout alternatives.
 - O What do you like about the alternatives and why? What do you dislike and why?
 - O What other ideas do you have that can meet the needs of airport stakeholders today and 10 to 20 years from now?
 - O What other comments or questions do you have about the master planning process?

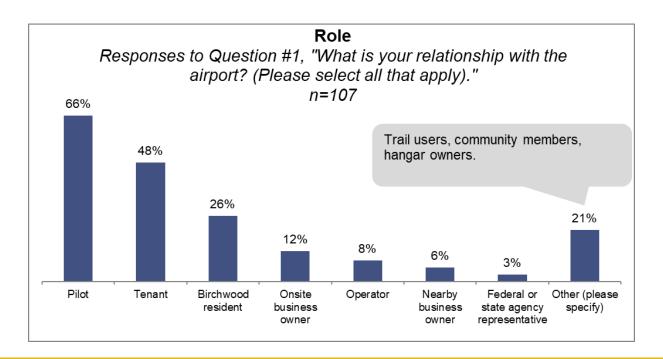
Public-Private Partnership Summary

Emerging Recommendation – Based on research and stakeholder engagement:

- The Birchwood Airport does not have many of the characteristics that make an airport an ideal candidate for a P3.
- The airport is almost entirely general aviation from hobbyist pilots, and operations are simple enough that they do not require air traffic control or an on-site manager.
- The Birchwood Airport is one of the few profitable Alaska DOT&PF airports in the state, so there is no financial incentive to privatize.
- During stakeholder outreach, many airport users said they oppose a P3. They
 are concerned a private operator would increase fees and commercial
 activity. Low costs and the casual, uncontrolled nature of the airport are its
 most beloved attributes.
- For these reasons, recommendation is to not pursue a P3 arrangement, unless a specific need is identified.

Stakeholder Survey – Process & Participation

- Goal of the survey was to get additional input on the layout alternatives
 (as of Fall 2021) and set the stage for this in-person public workshop.
- Survey window was December 18, 2021 through February 4, 2022.
- Fall 2021 Alternatives 2, 3, and 4 showed shortening and narrowing of the runway (02L/20R).
- Over 100 stakeholders responded.



Note: Likely some overlap with pilots and tenants as participants given option to "select all that apply".

Stakeholder Survey – Key Takeaways

- Alternative One (no change) had the highest level of support, followed by Alternative Two, Alternative Three, and Alternative Four.
- Alternative Two had more support and less opposition, although many participants advocated for Alternative Four in the short answer response questions.
- A combination of quantitative and qualitative responses indicated that
 participants were divided on wanting no or minimal growth
 versus more robust/extensive growth. There was little support for
 moderate growth.
- **Biggest issues:** Runway length/width and positioning of gravel airstrip. Most agree shortening/narrowing a barrier to stakeholder vision.

Leave well enough alone.

Alternative one has worked for many years, safely and successfully. Plans 2,3,4 are way too complicated, unnecessary, and costly.

"1 AND 2 preserve all winter use of ski strip/parking for straight ski aircraft. 2 Will also expand much needed hanger/tiedown space."

"Planning for some future expansion may be desirable for younger pilots or those wanting access to more space for hangar construction."

"Alt 4 solves a lot of issues and provides for the greatest expansion."

Development of Alternatives

Four potential Alternatives have been developed. Alternatives are based on:

- Critical aircraft.
- Facility requirements identified during interviews and inventory.
- Future gravel/ski strip location.
- Forecasted need for more tie-down permits and lease lots.

What's Changed with the Alternatives

Alternative I:

No changes

Alternative 2:

- Changed ultimate configuration of Runway 02L/20R to match existing dimensions (4010' x100')
- Show ultimate acquisition of land within Runway 20R Runway Protection Zone (RPZ) that is currently outside of the airport property limits
- Moved proposed Northeast Apron vehicle parking area/portable restroom facilities outside of Runway 20R RPZ
- Keep Taxiway C in current configuration (Runway 20R threshold does not move so no need to construct new taxiway to intersect new threshold location)

What's Changed with the Alternatives

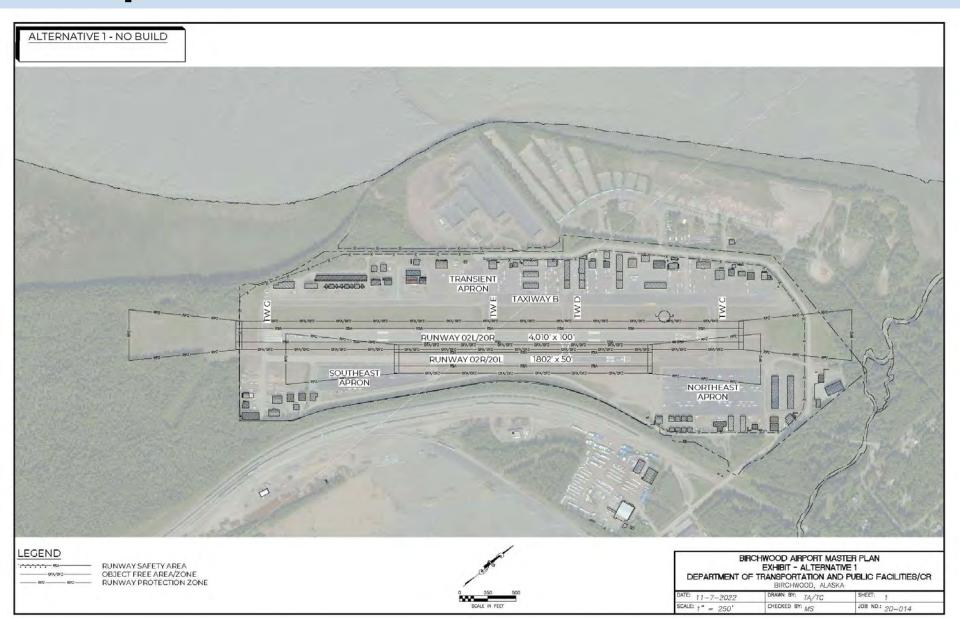
Alternative 3:

- Changed ultimate configuration of Runway 02L/20R to match existing dimensions $(4010' \times 100')$
- Show ultimate acquisition of land within Runway 20R Runway Protection Zone (RPZ) that is currently outside of the airport property limits
- Moved proposed Northeast Apron vehicle parking area/portable restroom facilities outside of Runway 20R RPZ
- Keep Taxiway C in current configuration
- Keep Taxiway D (west) in current configuration

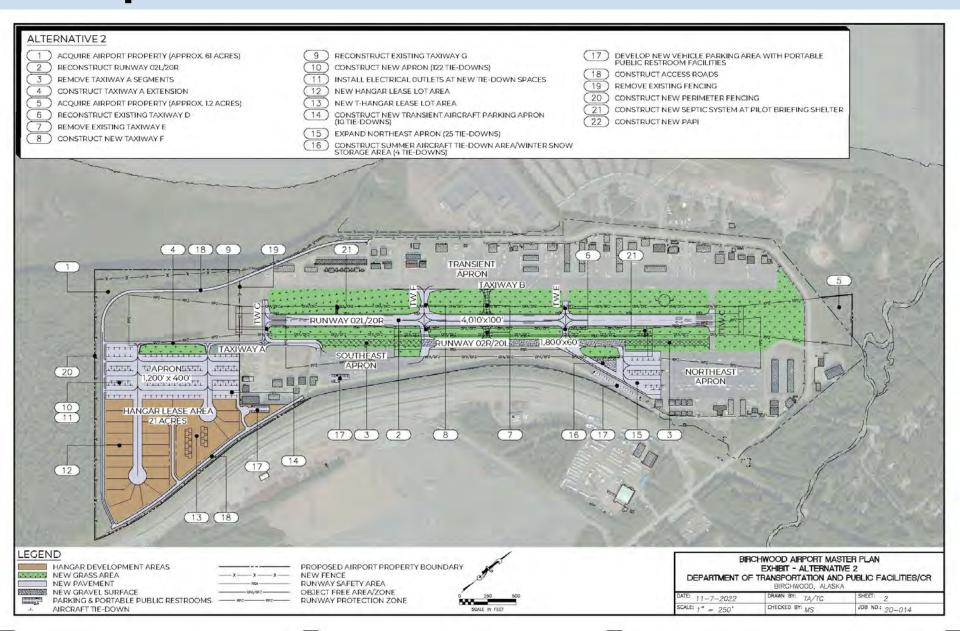
Alternative 4:

- Changed ultimate configuration of Runway 02L/20R to match existing dimensions (4010' x100')
- Show ultimate acquisition of land within Runway 20R Runway Protection Zone (RPZ) that is currently outside of the airport property limits
- Moved proposed Northeast Apron vehicle parking area/portable restroom facilities outside of Runway 20R RPZ
- Keep Taxiway C in current configuration
- Keep Taxiway D (both sides) in current configuration

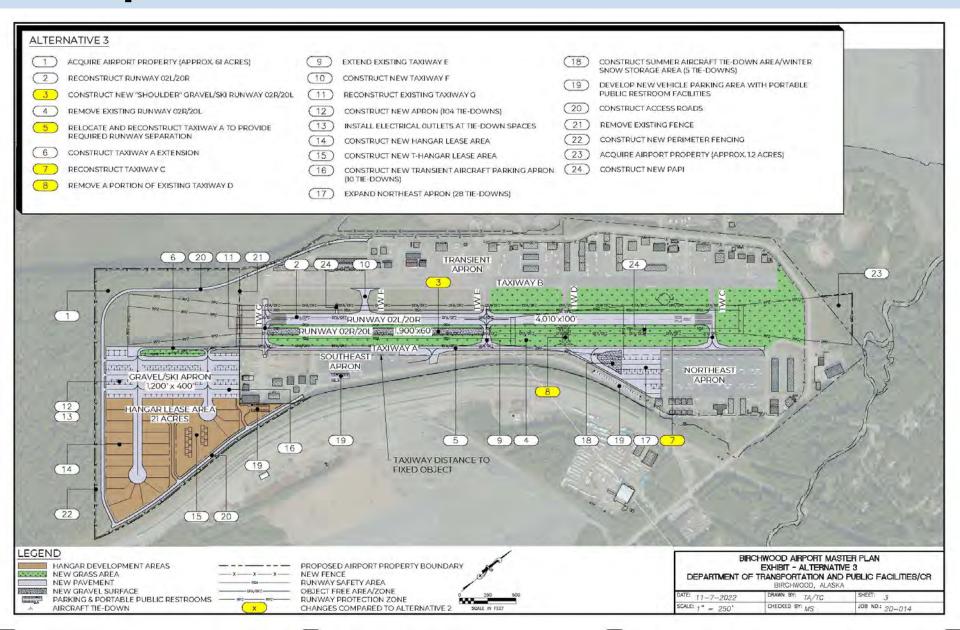
Proposed Alternative One – Nov2022



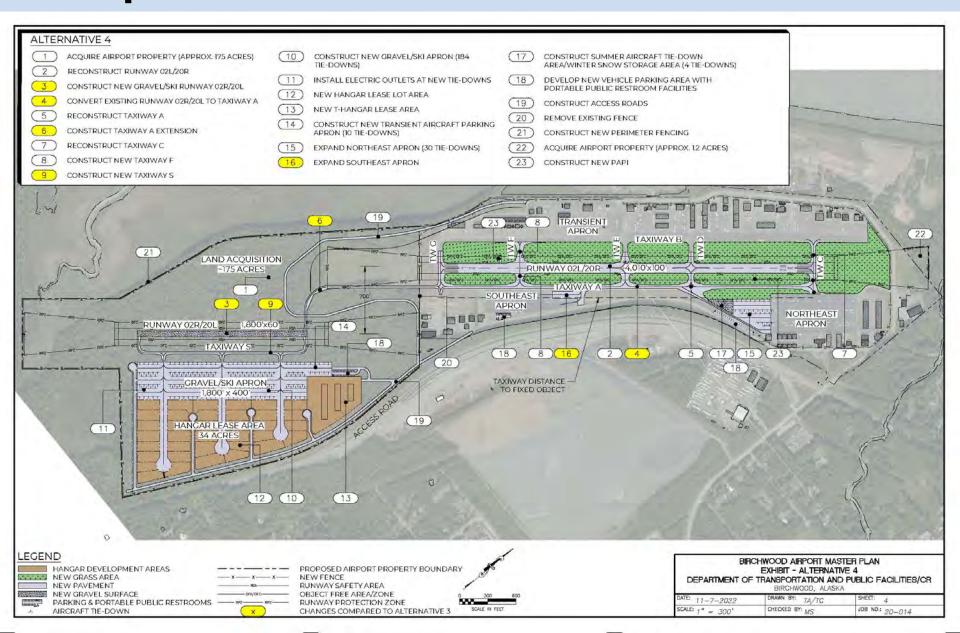
Proposed Alternative Two – Nov 2022



Proposed Alternative Three - Nov 2022



Proposed Alternative Four - Nov 2022



Alternatives Comparison

Improvement Program eligible if MOS is

Provides leasable land and apron space to

Apron areas are located outside of Runway

Does not require FAA HQ approval for

Maintains current runway operations

Establishes a parallel taxiway on the east side

Separation between the runways makes it

clear to pilots that simultaneous operations

development justification for ski/gravel

Removes in-line taxiways and improves airport

attained

safety

accommodate growth

Protection Zones (RPZs)

runway development

are or are not allowed

of the airport

No

No

No

N/A

Yes

No

No

Aleci nacives Companison				
	Alternative 1	Alternative 2	Alternative 3	Alternative 4
Meets FAA parallel runway separation	No	No	No	Yes
requirements for runways with simultaneous				
operations				
Does not require a Modification of Standards	No	No	No	Yes
(MOS) for runway separation				
Future runway improvements are Airport	No	Yes	Yes	Yes

Yes

Yes

No

No

Yes

No

No

Yes

Yes

Yes

No

Yes

Yes

Yes

Yes

Yes

Yes

No

No

Yes

Yes

Next Steps and Wrap Up

Project Schedule

Finalization



Layout, Aeronautical Survey

Community involvement

occurs
throughout,
including
interviews,
stakeholder
working group
meetings, and
three public
meetings.



Immediate Next Steps

November 2022

- Compile public feedback from today's workshop.
- Complete and post the Public-Private Partnership Summary.

December 14, 2022

 Conduct Stakeholder Advisory Group meeting to review workshop feedback and discuss potential preferred layout alternative.

December 2022 – Spring 2023

- Conduct additional stakeholder outreach to ensure representative input as we develop the Public Review Draft.
- Release Public Review Draft w/minimum 30-day comment period.

Learn More & Contact Us

For the Birchwood Airport Master Plan Update

http://www.dot.state.ak.us/creg/birchwoodamp/

Philana Miles, C.M., DOT&PF Project Manager

Email: philana.miles@alaska.gov

Phone: 907-269-0516

Shelly Wade, AICP, Public Involvement Lead

Email: shelly@agnewbeck.com

Phone: 907-242-5326

For Airport Operations:

Kayce Eliason, Airport Manager

Email: kay.eliason@alaska.gov

Phone: 907-338-1466