



Cottonwood Municipal Airport

MASTER PLAN UPDATE

Master Plan Advisory Committee
Meeting #4

AGENDA

- Team Reintroductions
- State of the Airport
- Recap: Public Meeting
- Recap: Aviation Demand Forecasts
- Recap: Airport Facility Needs
- Runway Alternatives
- 20-Year Recommended Development Plan
- Activity: Project Phasing
- Next Steps

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TEAM REINTRODUCTIONS

Consultant



Colin Wheeler – Project Manager

John Coliton – Deputy Project Manager

Airport / City of Cottonwood



Jeffrey Tripp, A.A.E., ACE – Airport Manager

Ron Corbin – Cottonwood City Manager

Rudy Rodriguez – Cottonwood Deputy City Manager

Master Planning Advisory Committee

- **Tina Andres** - Experimental Aircraft Association, Verde Valley Chapter
- **Brenda Clouston** - Owner, Colt Grill
- **Scott Ellis** - Community Development Director, City of Cottonwood
- **Tosca Henry** - Council Member, City of Cottonwood
- **Tricia Lewis** - Tourism & Economic Development Director, City of Cottonwood
- **Jim Millis** - President, Cottonwood Ranch HOA
- **Jim Moeny** - Chair, Cottonwood Airport Commission
- **Christian Oliva del Rio** - President/CEO, Cottonwood Chamber of Commerce
- **Vernon Reed** - Experimental Aircraft Association, Verde Valley Chapter
- **Susan Guthrie** - Town Manager, Town of Clarkdale

RECAP: ADVISORY COMMITTEE ROLE & OBJECTIVES

- Provide local and technical expertise
- Facilitate a variety of viewpoints
- Provide individual perspectives on issues
- Review and provide comment on project deliverables



Source: Cottonwood Municipal Airport, 2020.

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STATE OF THE AIRPORT

Jeffrey Tripp, A.A.E., ACE – Airport Manager



Source: Nearmap, 2021.

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RECAP: PUBLIC MEETING

- Placeholder
- Placeholder
- Placeholder
- Placeholder
- Placeholder

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RECAP: OPERATIONS & BASED AIRCRAFT FORECASTS

Year	Based Aircraft Forecast	FAA-approved Operations Forecast (approved December 2020)	Refined Operations Forecast (based on Virtower*)
2019 (base year)	64	18,900	-
2021 (2-year forecast)	66	19,524	36,934
2024 (5-year forecast)	69	20,498	38,787
2029 (10-year forecast)	75	22,232	42,083
2039 (20-year forecast)	89	26,154	45,660

Sources: FAA National Based Aircraft Inventory Program; FAA Aerospace Forecast 2020-2040; FAA Terminal Area Forecast; Kimley-Horn, 2020.

***Refined operations based on Virtower data do not impact facility planning as part of this master plan process.**

2039 BASED AIRCRAFT FORECASTS



Single-Engine Piston



Multi-Engine Piston



Turboprop



Jet



Rotorcraft

RECAP: CRITICAL AIRCRAFT FORECAST

Existing

ARC:
A-I Small

Cessna Skyhawk 172



Source: sweetaviation.com

Piper Malibu Meridian



Source: airport-data.com

Future

ARC:
B-I Small

Cessna Citation I



Source: assurejets.com

Beechcraft King Air 90



Source: trade-a-plane.com

Piper Cheyenne II

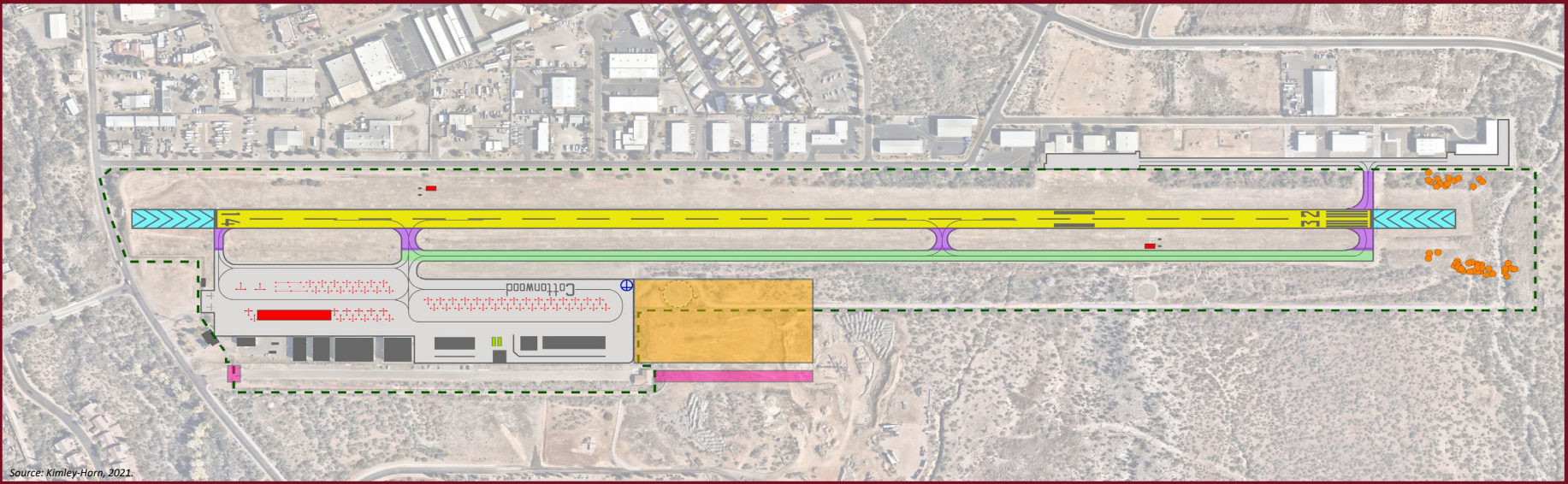













Source: Business Jet Traveler

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RECAP: AIRPORT FACILITY NEEDS



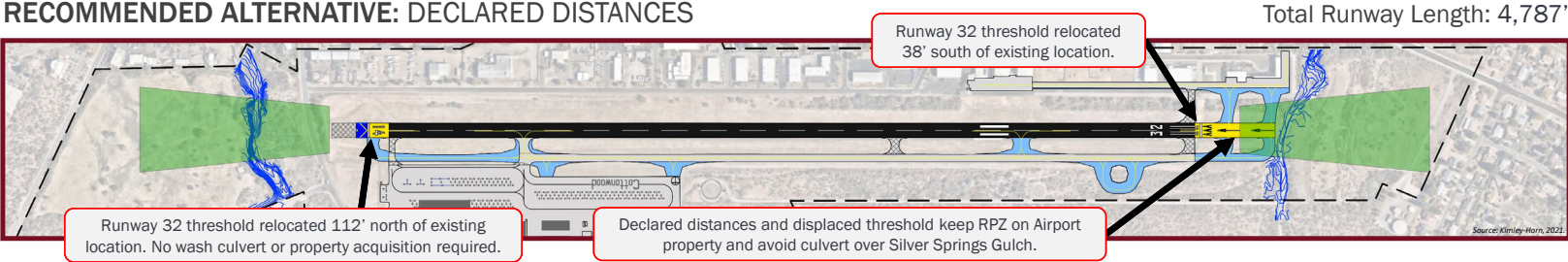
										
Extend and strengthen runway to accommodate existing activity.	Standardize runway blast pads.	Reconstruct and extend Taxiway A.	Modify taxiway fillets to meet FAA design standards.	Relocate facilities within runway and taxiway safety areas (power control units, aircraft parking tiedowns, and t-shade).	Relocate fuel tanks.	Accommodate hangar development.	Extend Airport access road to new hangars; Remove access gate off Mingus Ave.	Relocate and standardize helicopter operating area.	Mitigate airspace obstacles (vegetation and AOA fence).	Upgrade existing AOA fence to prevent wildlife intrusions.

AGENDA

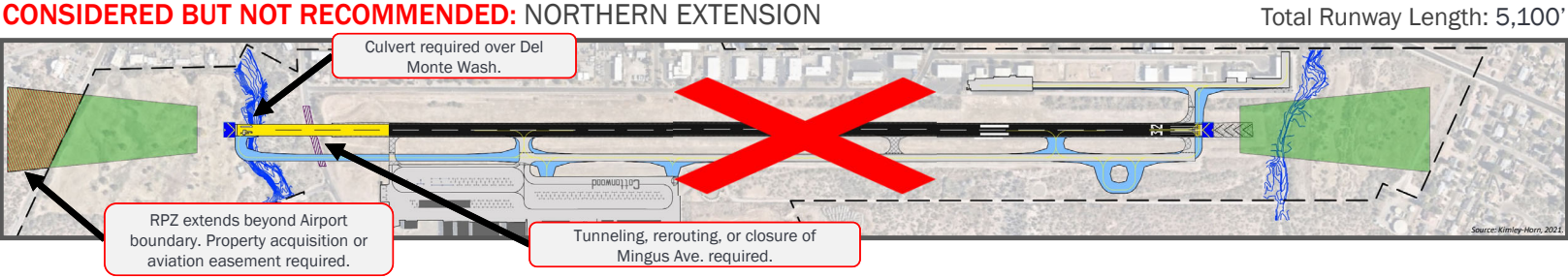
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RUNWAY ALTERNATIVES

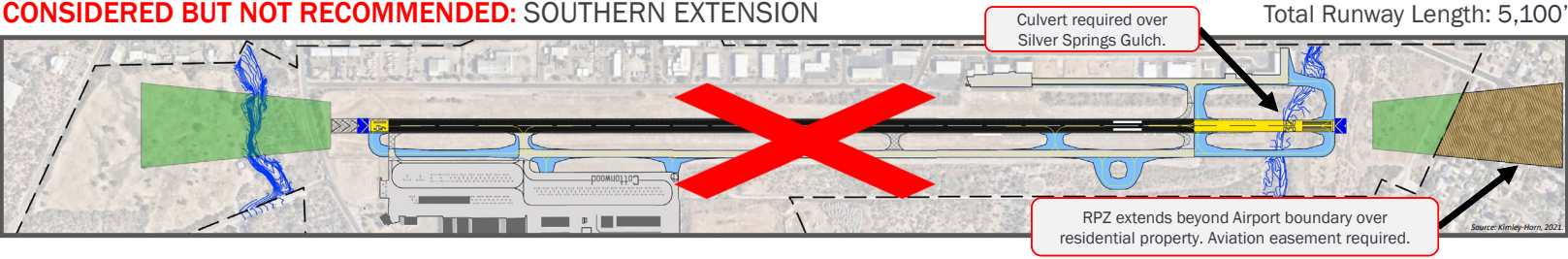
RECOMMENDED ALTERNATIVE: DECLARED DISTANCES



CONSIDERED BUT NOT RECOMMENDED: NORTHERN EXTENSION



CONSIDERED BUT NOT RECOMMENDED: SOUTHERN EXTENSION



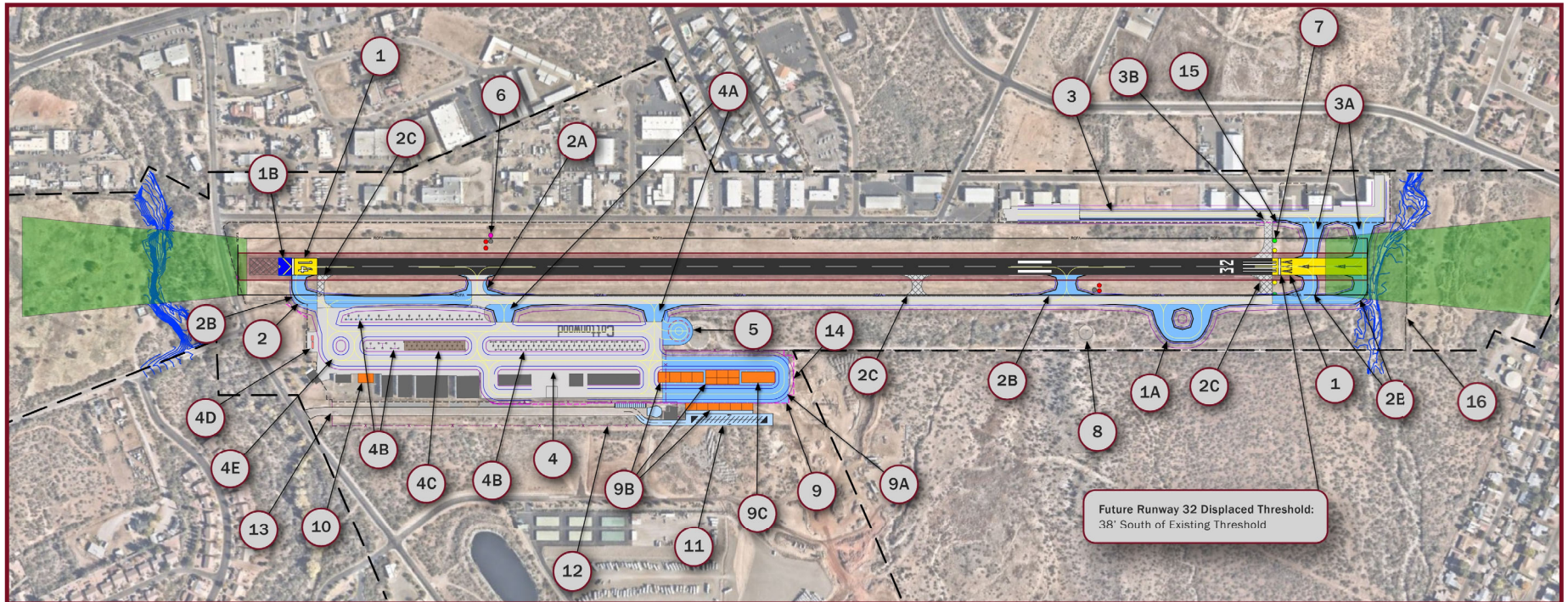
LEGEND

- Runway (Existing)
- Runway (Future)
- Runway Protection Zone (RPZ) – On Airport Property
- Runway Protection Zone (RPZ) – Off Airport Property
- Runway Blast Pad (Future)
- Taxiways / Aircraft Parking Apron (Existing)
- Taxiways (Future)
- Removed Pavement
- Roadway Removal Required (Northern Extension)
- Airport Property Boundary
- On-Airport Wash

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20-YEAR RECOMMENDED DEVELOPMENT PLAN



1. Design & Construct Runway Extension & Strengthening

- 1A. Design & Construct Run-up Area
- 1B. Standardize Runway 14 Blast Pad

2. Design & Construct Taxiway A Extension & Narrowing

- 2A. Standardize Existing Taxiway Connectors
- 2B. Design & Construct 4 Taxiway Connectors
- 2C. Remove Taxiway Pavement

3. Design & Construct East Taxiway Modifications

- 3A. Design & Construct 2 Taxiway Connectors
- 3B. Remove Taxiway Pavement

4. Design & Construct Apron Reconfiguration

- 4A. Design & Construct 2 Taxiway Connectors
- 4B. Relocate Aircraft Tiedowns
- 4C. Relocate T-Shade Structure
- 4D. Relocate Fuel Tank
- 4E. Restripe Taxiway Centerlines

5. Design & Construct Helicopter Operating Area

- 6. Relocate Runway 14 PAPI PCUs
- 7. Relocate Runway 32 REILs
- 8. Relocate Segmented Circle with Wind Indicator
- 9. Design & Construct Hangar Development Area
 - 9A. Design & Construct Taxiway
 - 9B. Design & Construct 16 Box Hangars
 - 9C. Design & Construct Six-Unit T-Hangar

10. Design & Construct Box Hangar

- 11. Design & Construct Roadway & Vehicle Parking
- 12. Remove AOA Fence
- 13. Remove Access Gate
- 14. Construct AOA Fence
- 15. Lower AOA Fence
- 16. Install Wildlife Skirting on AOA Fence

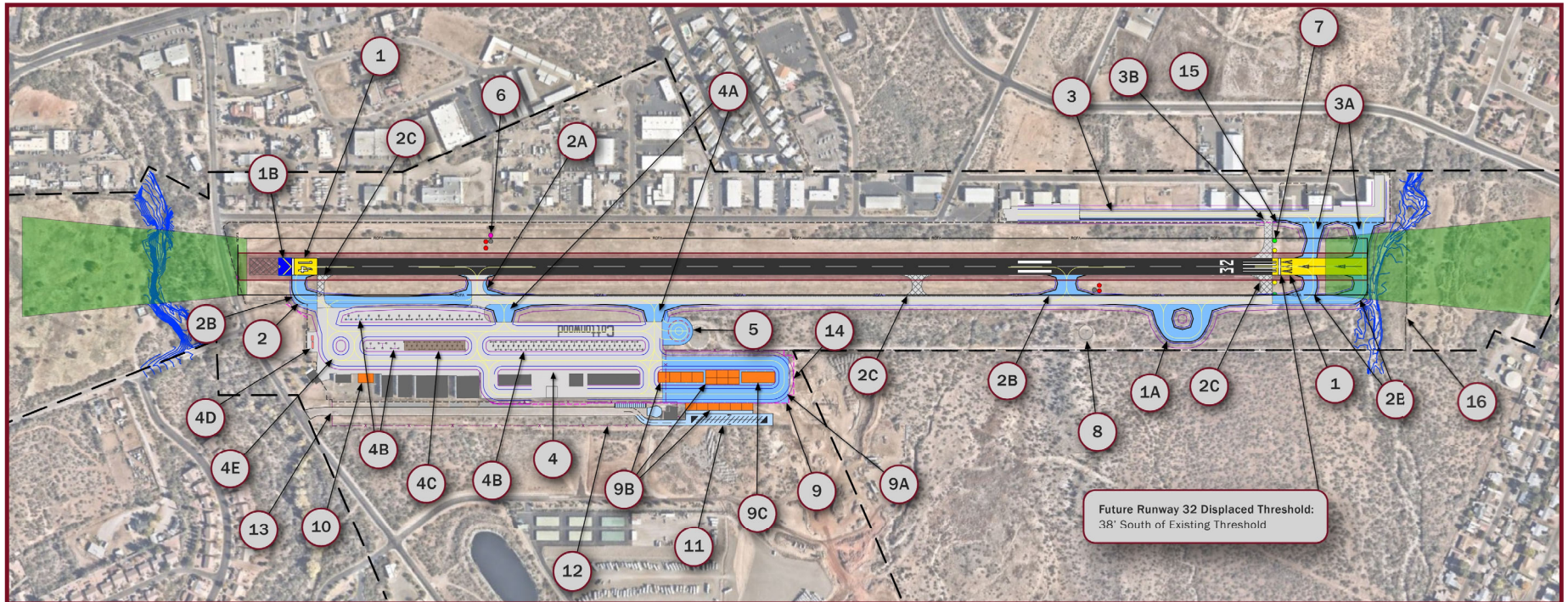
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ACTIVITY:

PROJECT PHASING

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NEXT STEPS

- Finalize Alternatives chapter, incorporating stakeholder feedback.
- Meet with FAA to discuss Recommended Development Plan (RDP).
- Draft Implementation and Financial Analysis working paper.
- Draft Airport Layout Plan (ALP).
- Submit final ALP to FAA.

QUESTIONS / COMMENTS

Please send additional questions and comments to:

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john.coliton@kimley-horn.com



THANK YOU!

Kimley»Horn

