DRAFT

NORTH

400' 200' 0' 400'

Existing RWY 13-31
(To Be Removed)

Existing Terminal

Proposed Vertiport (eVTOL)

Embarcadero Road

Existing ATCT

Existing Fuel Facility

Proposed Eqp. Storage

Proposed Hangars

Proposed Terminal

Proposed Vertiport (eVTOL)

Embarcadero Road

Alternative Description

This alternative does not raise the runway elevation in a way that can be integrated into a new levee system. This alternative shifts the existing runway southwest away from proposed levees. This shift south allows the runway to reach 100% of the FAA recommended runway length and avoid extending into the dock pond area. Runway length is increased from 2,443 feet to 3,500 feet. Taxiways are constructed on both sides of the runway to decrease airfield congestion and increase safety.

Challenges

- Does not integrate runway within proposed levee system
- Requires the reconstruction of entire airfield
- Requires property acquisition from neighboring golf course
- Brings runway closer to nearby neighborhoods
- Splits airfield increasing taxi times and carbon emissions
- Requires additional obstruction mitigation

Opportunities

- Provides vertiport needed to support sustainable aviation operations
- Addresses all FAA recommendations
  - Increases runway length by +1,057FT (100% of recommendation)
  - Increases runway width to 75FT
  - Increases runway separation +100FT
- Replace infrastructure that is at the end of its life cycle, lowering operational cost
- Provides additional taxilane to increase safety

Legend

- Existing Pavment
- Existing Baylands Trail
- Existing Airport Property Line (ALP, 2017)
- Existing Runway Location
- Future Horizontal Levee
- Future Runway Protection Zone (RPZ)
- Future Runway Safety Area (RSA)
- Future Runway Object Free Area (ROFA)
- Proposed Building
- Proposed Vehicle Pavement
- Proposed Airfield Pavement
- Proposed Deconstruction
- Proposed Levee (Army Corps, 2021)
- Proposed Fill Area

C&S COMPANIES®

Alternative 3 | 3,500 FT Runway with Southwestern Shift

Palo Alto Airport Long-Range Facilities & Sustainability Plan (LRFSP)

Source: C&S Engineers, Inc.

CITY OF PALO ALTO

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