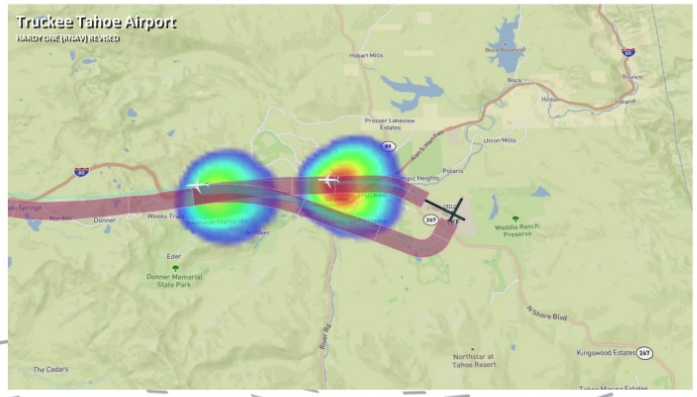
Flight Procedures

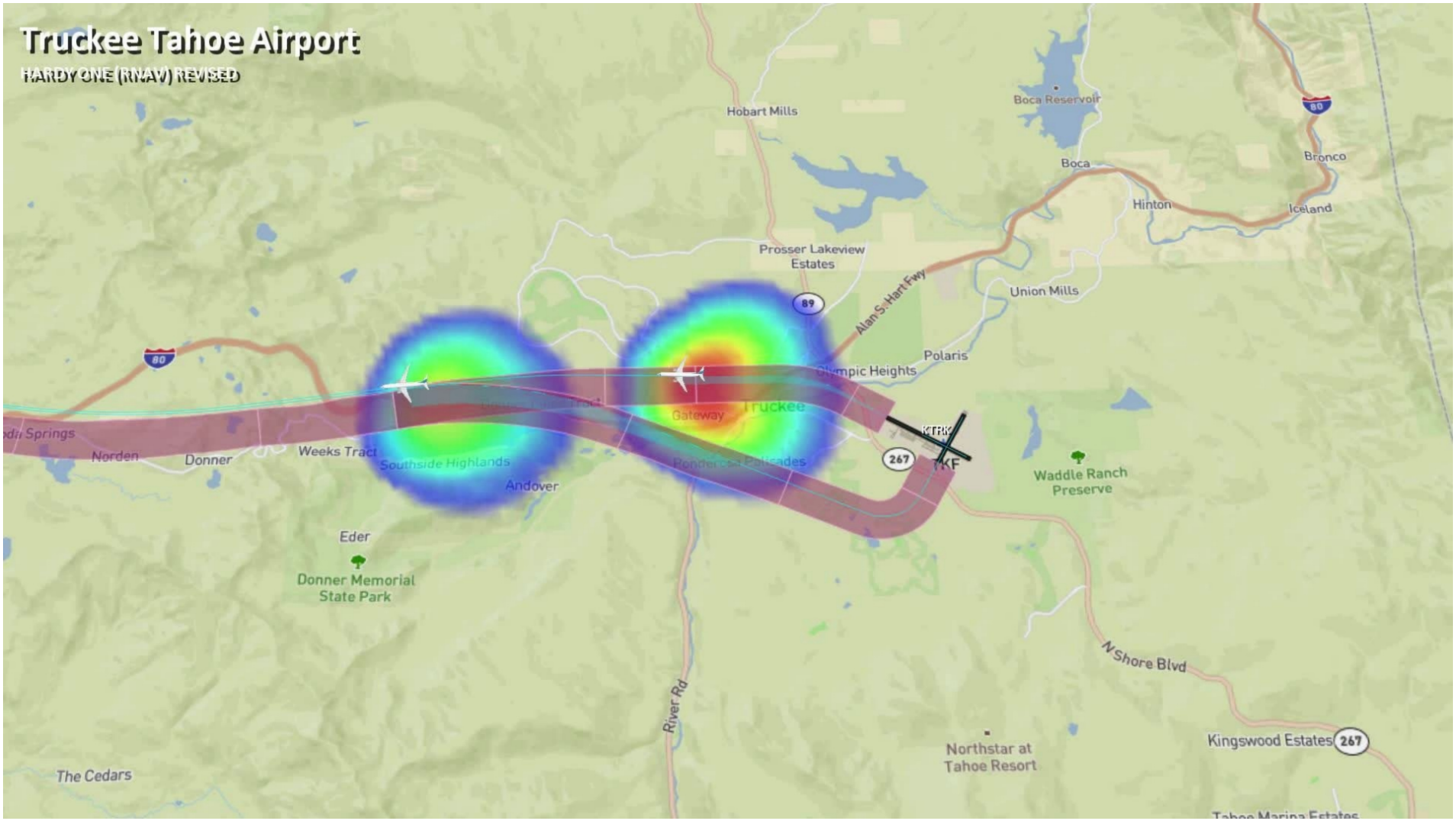


Overview

Timeline

Next Steps

Hardy Bullock
Director
Aviation & Community Services


Truckee Tahoe Airport
HARDY ONE (RNAV) REVISED
Hobart Mills
Boca Reservoir
Boca
Bronco
Hinton
Iceland
Prosser Lakeview Estates
Alan S. Hart Fwy
Union Mills
Polaris
Olympic Heights
Truckee
Gateway
Norden
Donner
Weeks Tract
Southside Highlands
Andover
Ponderosa Palisades
KTRK
TKF
Waddle Ranch Preserve
Eder
Donner Memorial State Park
River Rd
N Shore Blvd
Northstar at Tahoe Resort
Kingswood Estates
The Cedars
80
89
267

Board directed Staff to move forward with ***Community Outreach*** *on new Procedures*

Objective

Objective

Present new flight procedure overflight paths to community

Summarize community feedback

Explore alternatives if any

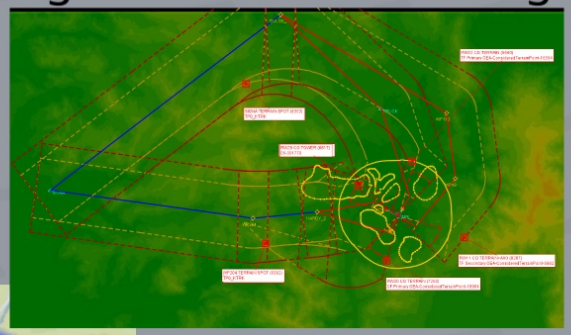
Complete a comprehensive gathering of community input for Board decision making purposes

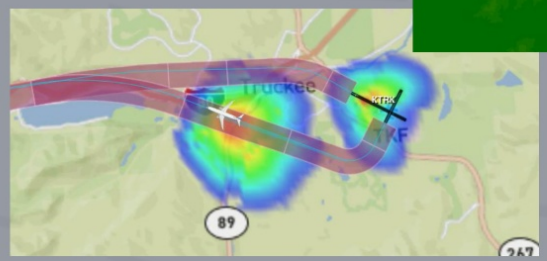
Strategy

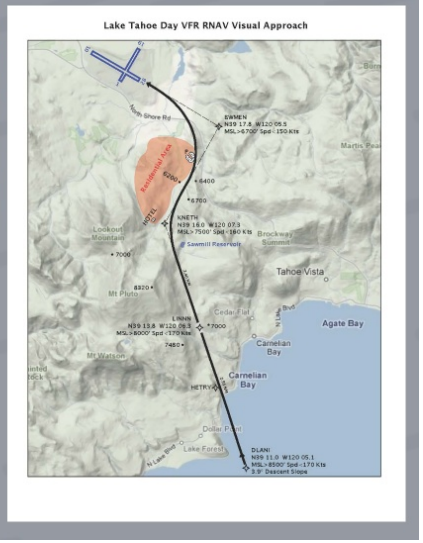
Use virtual presentation technology https://www.rsandh.com/collateral/aviation/slc-vpim/

Use flight path exhibits to show each neighborhood the overflight ground track.

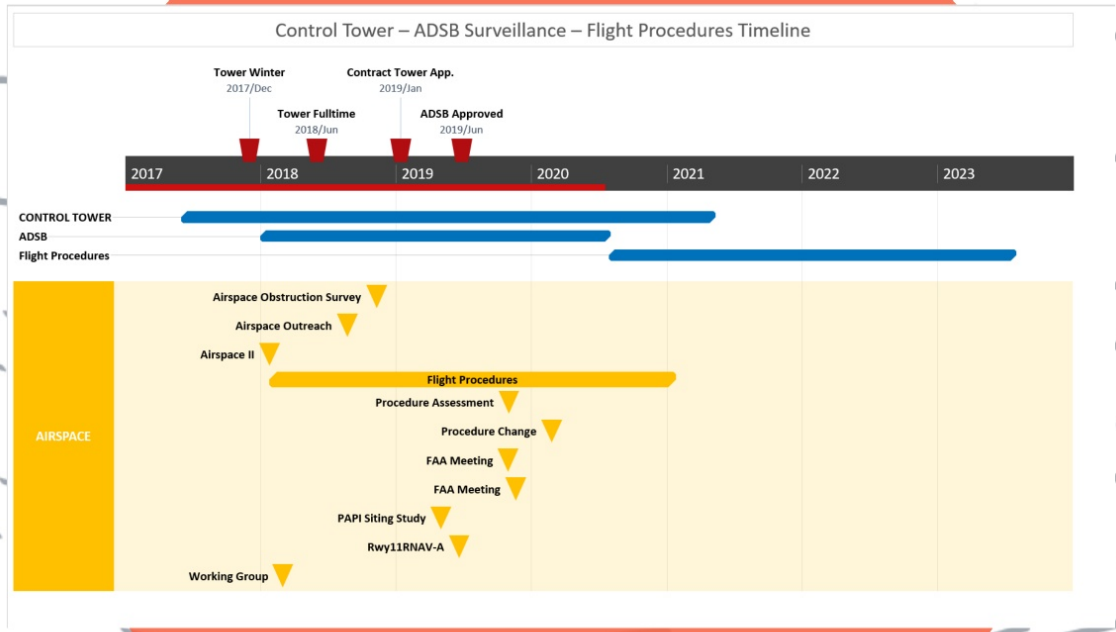
Present current, proposed and conceptual overflight paths





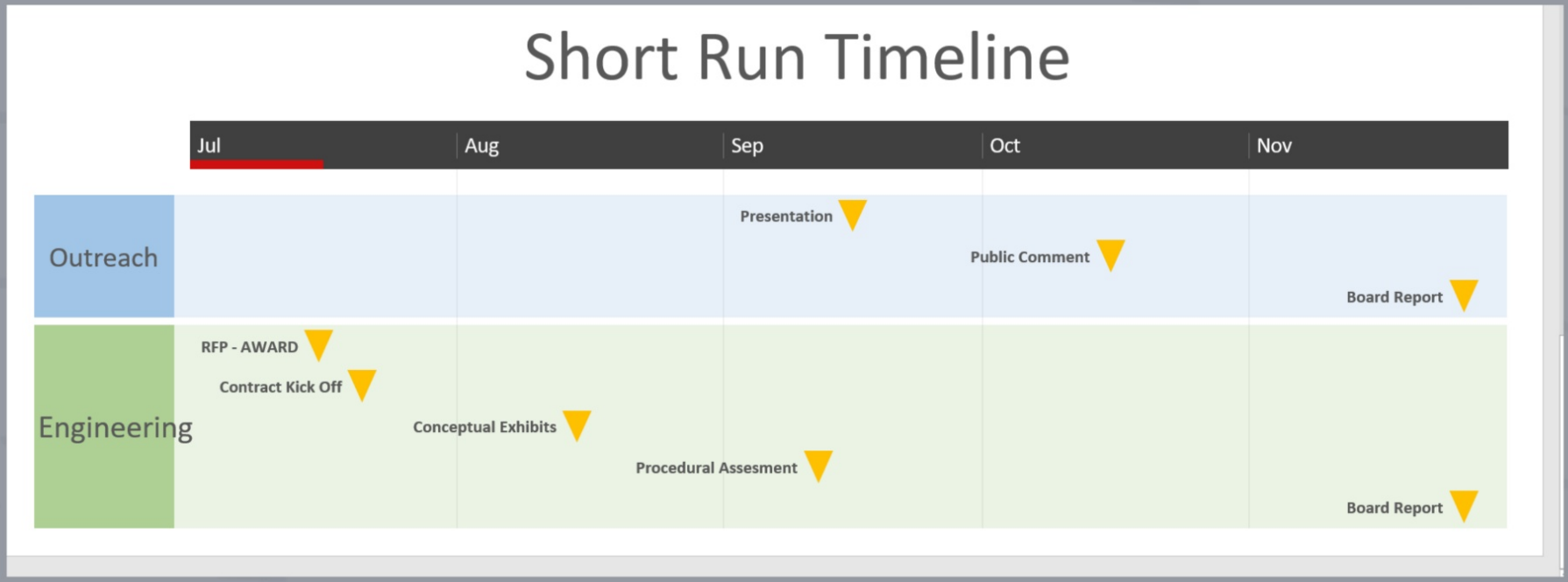



Tahoe Donner Golf Course
Temporarily closed
Alder Hill
Glenshire General Store
North Tahoe Catering
Stewart's Marine Services Inc
Avant Werks, Inc
Coyote Moon Golf Course
Truckee
Donner Memorial State Park
Save Mart Supermarkets
Truckee Tahoe Airport
Ponderosa Palisades
Martis Camp
Polaris



Short Timeline

Short Timeline




What Next
Vendor Guidance & Staff work
Aviatrix & Flight Tech Engineering
Advertise Outreach Q&A
FAA Guidance & Meetings
Pilot Outreach
Board Update September
Board Report November/December
The List

Phase I: Initial IFP Feasibility Study – Determine most feasible flight procedure solution per runway end, associated criteria deviations, and suitability for public/private distribution (Fixed Fee)

Task 1: Meet with Airport Authority (and/or APT/ATC stakeholders) to determine preferred routing, noise abatement considerations, weather/ATC considerations, and target fleet mix.

Task 2: Flight Procedure Workspace Creation & Obstacle Deconfliction: Review latest changes to airport environment (such as obstacles and planned construction projects) to prepare best available data for design workspace.

Task 3: Develop prototype flight procedures (to include approaches & departures) for RWY 11/29 and determine suitability for public/private use.

Task 4: Prepare Technical memorandum detailing IFP prototype results and possible paths for implementation.

Phase II: Procedure Implementation

Option #1: Consult with FAA Flight Standards / Western Region to implement procedures that qualify for public distribution (Time & Materials – with do not exceed limit)

Option #2: Convert IFP Prototypes to a production procedure and begin Implementation privately following FAA processes. (Fixed Fee – Task examples below)

IFP Implementation Process:

1. Enter in to Master Service Agreement between TTAD & FTE
2. Review Design & Implementation timelines with TTAD.
3. If an updated obstacle survey is required – coordinate with TTAD and surveyor.
4. Complete airport manager approval letter
5. Complete Special Instrument Procedure Checklist (FAA Form 8260.60)
6. Complete and submit FAA Validation form (fmr RAPT Form) to FAA Regional Office.
7. Request Fix/Waypoint names from AIS/ADT (fmr NFDC). TTAD can be involved in picking custom waypoints names if desired.
8. Request WAAS Channel from FAA ADT/AIS (fmr NFDC) if LP and/ or LPV line of minima is utilized.
9. Finalize prototype procedures in GPD and/or TARGETS.
10. Review final procedure with TTAD
11. Finalize procedure in TARGETS for submission to ARTCC Airspace & Procedures Manager.
12. Setup ARTCC/TRACON meeting to review Airspace considerations.
13. Complete ARTCC/TRACON Concurrence letter
14. Final pre-submission review with TTAD
15. Complete Environmental Submission Screening questions.
16. Upload environmental submission data to pre-screening website. This includes answers to questionnaire, Waypoints, & Data files.
17. Finalize Procedure Design & Begin Flight Validation portion
18. Schedule Flight Validation with TTAD based on public/private procedure type. Setup/arrange Flight Val aircraft (may be FT, contractor, or FAA aircraft)
19. Complete FAA Flight Standards notification for Flight Val Event 30 days prior.
20. Complete Flight Validation and upload results to FAA coordination site.
21. Begin documentation of IFPs on FAA paperwork (Form 8260s).
22. Complete FAA Form 8260-2 Waypoint/Fix Data Forms
23. Complete 8260-2 Data Worksheet for modification of existing Fixes/Holds
24. Complete FAA Form 8260-7A (Routing/WAAS & Chart Data)
25. Complete FAA Form 8260-9 (Obstacle Clearance & Airspace Establishment)
26. Complete 8260-10 ARINC 424 Encoding Summary
27. Complete FAA Form 8260-1 Waivers (may not be applicable if standard criteria is used)
28. Create Controlling Obstacle Map in PowerPoint based on obstacles identified in the 8260-9
29. Finalize Procedure Chart (s) for inclusion in submission packet.
30. Send 8260 package to FTE Quality Assurance Personnel for Review.
31. Create Cover Letter for Special procedure submission package.
32. Create Revision Control log for tracking procedure changes
33. Submit procedure to FAA Procedure Review Board (PRB) Meeting.
34. Complete necessary IFPs modifications as requested by FAA PRB and deliver final procedure package
35. Coordinate with Jeppesen/FAA for navdata coding and charting of new procedures.

Phase III: Operator Support & Ongoing IFP Maintenance

1) Provide assistance with operators who are applying for FSDO approval for use of special procedures. Track operator approvals & communicate procedure impacts/changes throughout lifecycle.

2) Continuous OE/AAA & NOTAM Monitoring

3) 540 Day Flight Inspections

4) Biennial TERPS Review