

MISSION STATEMENTS

Alaska DOT&PF

"Keep Alaska Moving through service and infrastructure"

Alaska International Airports System (AIAS)
"To keep Alaska flying and thriving"

Statewide Aviation (SWA)

"To sustain and improve the quality of life throughout Alaska"



ORGANIZATION / LEADERSHIP



Department of Transportation and Public Facilities

Commissioner

Deputy Commissioner



Alaska International Airport System



Statewide Aviation

Ted Stevens Anchorage International Airport

Fairbanks
International Airport

235 Rural Airports





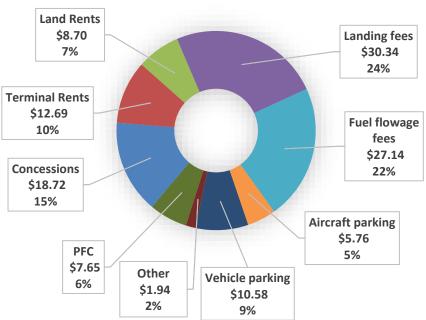
AIAS STRUCTURE

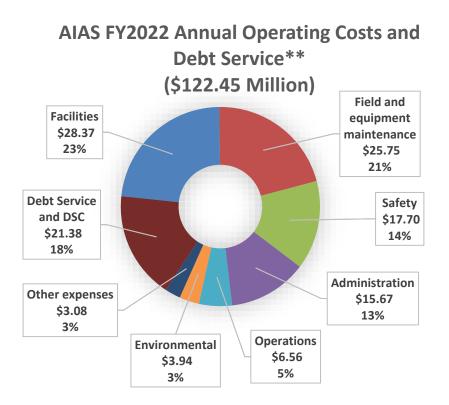


ANNUAL REVENUE AND OPERATIONS, MAINTENANCE AND DEBT COSTS

- Funded through Customer Charges -







Operating, passenger facility charges, and interest revenues – Does not include capital grant receipts,

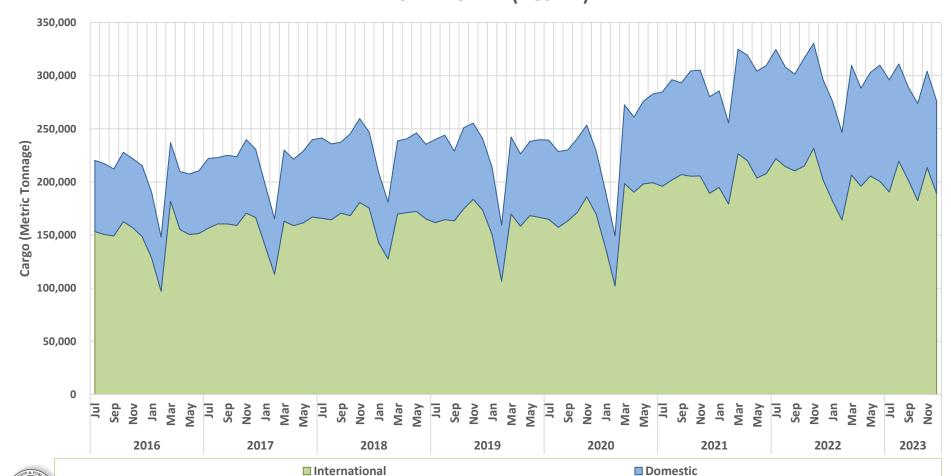
FAA Pandemic Relief funds, or Unaudited Loss on Investments (2.52M)

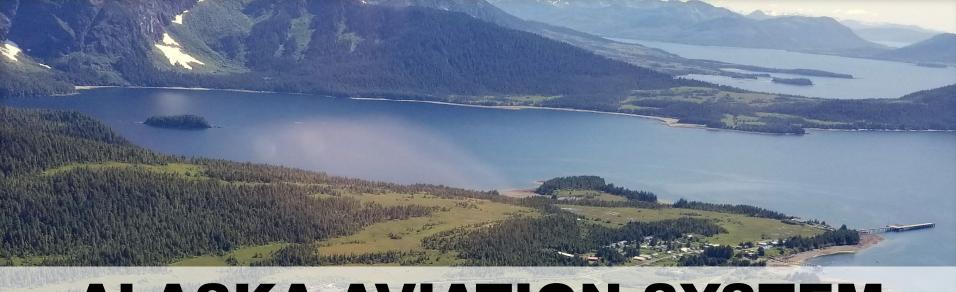
** Expense does not include rates & fees funded capital costs or depreciation.



CARGO TONNAGE

AIAS
Monthly Cargo in Metric Tonnes
Domestic & International
FY16 - FY23 YTD (Dec '22)





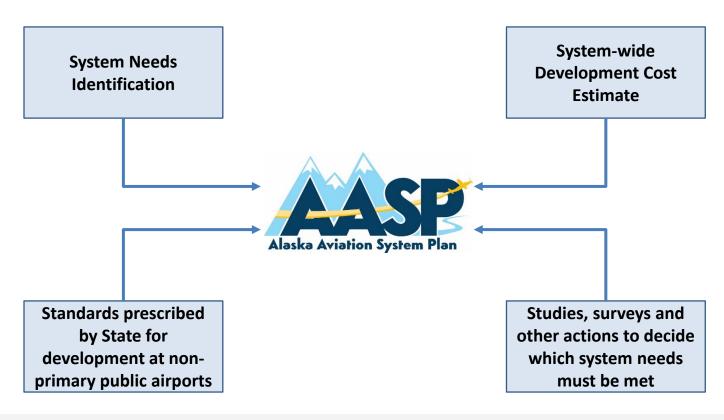
ALASKA AVIATION SYSTEM PLAN (AASP)



AVIATION SYSTEM PLANNING

Why?

- Required through FAA Advisory Circular 150/5070-7 The Airport System Planning Process
- Primary purpose is to determine the type, extent, location, timing, and cost of the airport development needed in a state or metropolitan area to establish a viable system of airports.
- Plan includes all public airports across Alaska and is funded through annual AIP grants.





CONTINUOUS AVIATION SYSTEM PLANNING

Phase I 2008 - 2013

- Continuous Planning Process
- Website & CIMP Establishment
- Videos: Lifeline and Counting the Cost





Phase II 2014 - 2019

- Needs Collection
- Capital Projects
 Database
- Digital Project
 Evaluation Process
- CIMP Application
 Development
- Needs Directory & Reporting Tools
- Economic Impact
- Rural Lighting Analysis

Phase III 2020 - 2025

- Performance Measures
- Digital Capital Improvement Plan
- Capital Inspection Process Update
- Data Connections
- Air Carrier Outreach & Comment Map
- Airport Resiliency Study
- Other Special Studies





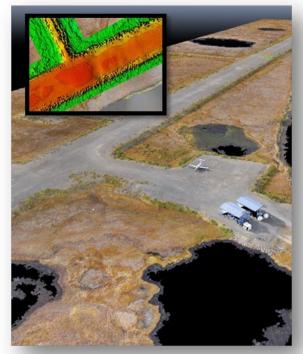
SYSTEM CHALLENGES

- **Hearing our customers** the AASP team is currently creating a comment map to report airport related issues directly to DOT&PF staff.
- Accurately capturing needs across the system:
 - An estimated 3,500 airport needs exist totaling over \$4B from runway resurfacing to wind cone replacement to crack sealing.
- So much data collecting it and making it available!
- How to tell Alaska's story Upcoming videos
- Community relocations and airport resiliency

taxiway weather

helipad runway new leasing maintenance apron road ground transportation lighting base buildings fencing equipment

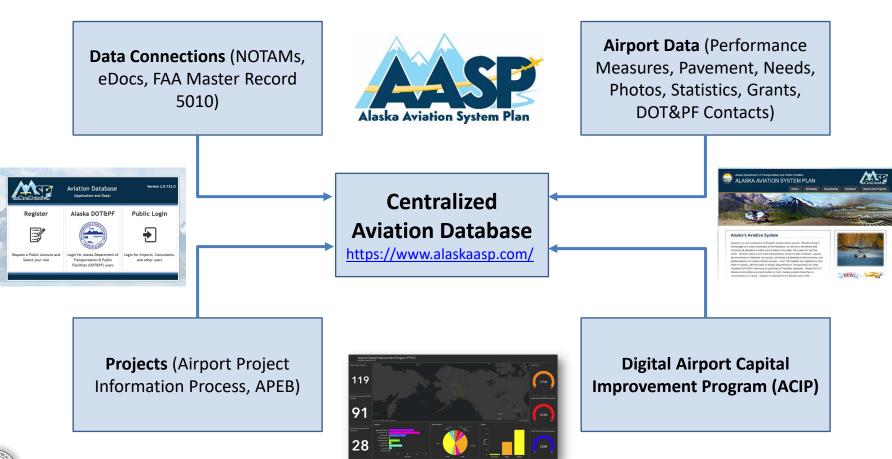






CENTRALIZED AVIATION DATABASE

Goal: To create a centralized database for all airport information. This website continues to grow and expand data connections and information.







CAPITAL IMPROVEMENT & MAINTENANCE PROGRAM(CIMP)

An airport inspection program that:

- Captures capital needs
- Collects discreet data for system analysis
 (lighting/instrument systems, surface condition, etc.)
- Facilitates stakeholder outreach

Application-based for mobile devices

Reduces airfield experience requirements

Time & travel intensive

 Goal: to conduct inspections that capture needs, to then be developed into capital projects through the AIP program.

Note: Supplements the FAA's 5010 Airport Master Record Inspections conducted on triennial cycle

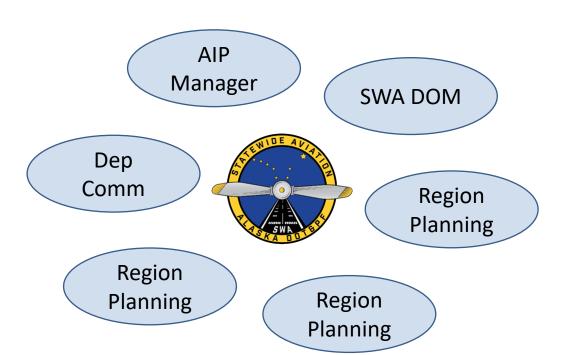








AVIATION PROJECT EVALUATION BOARD (APEB)



Buildings (8 Criterion)

Existing Structure Safety
Facility Need
Project Conditions
Structure Condition
Weather Conditions
Airfield Safety
Land Ownership Status
Other

Airfield (16 Criterion)

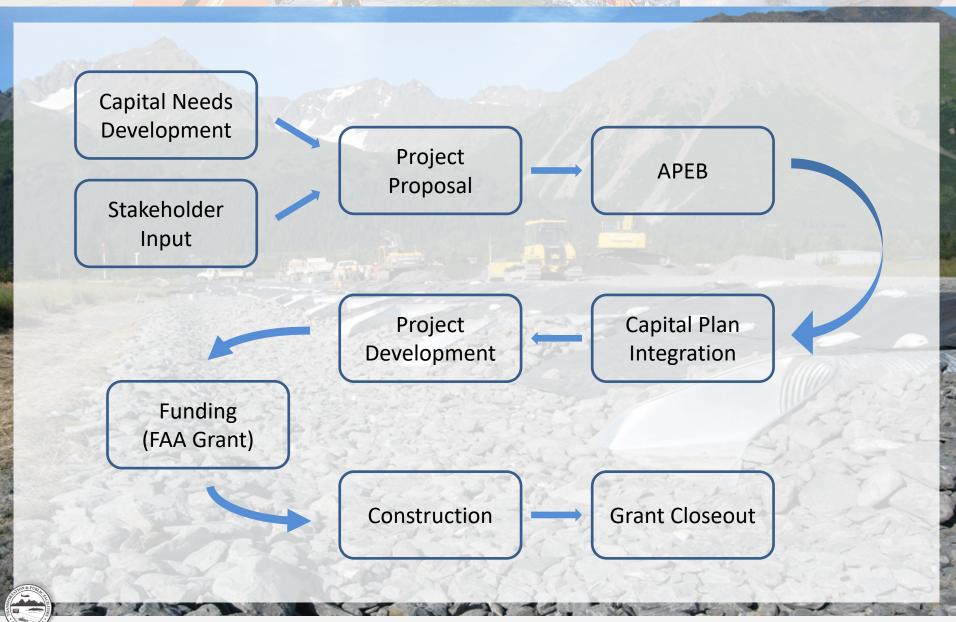
Safety
Alternatives
Community Support
Runway Surface Condition
Maintenance & Operations

Security / Certification Economic Benefits Runway Length Local Capital Contribution Erosion / Flooding

Health / Quality of Life Aviation
Local Transportation Alternatives
Community M&O Contribution
Avigation Hazards
Other Population



AVIATION PROJECT DEVELOPMENT





DOT&PF AIRPORTS IN FFY 2022

FAA AIP airport capital improvement project funding for DOT&PF programs (~\$256M)

Cargo Entitlements (\$4.5M)

Earned by airports
 with more than 100
 million pounds
 landed weight

Primary Passenger Entitlement (\$36.1M)

Earned by airports
 with more than
 10,000 enplaned
 passengers and
 scheduled
 commercial service

Non-Primary Passenger Entitlement (\$27.7M)

 Earned by airports with fewer than 10,000 enplaned passengers annually

State Apportionment (\$19.4M)

 An area/population formula used after cargo/passenger entitlements calculated

Alaska Supplemental (\$19.0M)

 Congressional amount based on 1980 amounts

Discretionary (\$134M)

- What remains divided among 50 states
- FAA Airport Environmental Mitigation PFAS Pilot (\$1.2M)

Supplemental Discretionary grants (\$19.6M)

- Special additional federal GF appropriation – Projects Selected by FAA
- Kongiganak SREB (\$3.7M)



AIP RURAL SYSTEM CAPITAL FUNDING FFY 2016 THROUGH FFY 2022

Federal Capital Funding

- Rural System AIP annual average FFY2016 2019 = \$132.9M
- FFY 2020 AIP = ~\$198.9M
- FFY 2021 AIP = ~\$184.2M
- FFY 2022 AIP = ~\$236.4M
- FFY 2022 BIL = ~\$19.6M

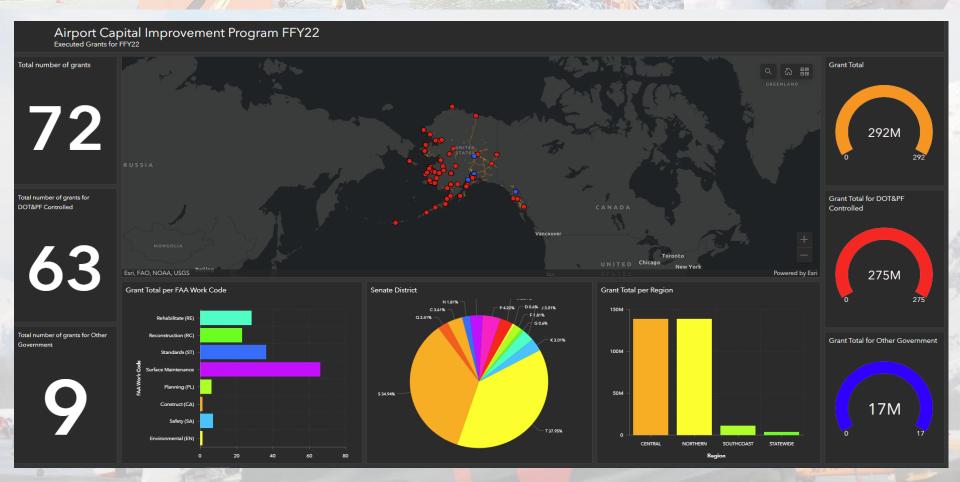
Rural Airport System State Match Required

- Generally, 6.25% of project eligible costs
- A few Essential Air Service (EAS) airports in designated economically distressed communities qualify for a 5% match of project eligible costs





AIRPORT IMPROVEMENT PROGRAM (AIP) FOR DOT&PF AIRPORTS IN FFY 2022







PER/POLY-FLUOROALKYL SUBSTANCES (PFAS)



PFAS: AIRPORTS

2023

What is PFAS?

- Family of chemicals
- Do not break down easily
- Widespread



"testing of firefighting foam equipment on aircraft rescue and firefighting vehicles is done in accordance to NFPA 412: Standard for Evaluating Aircraft Rescue and Fire-Fighting Foam Equipment"



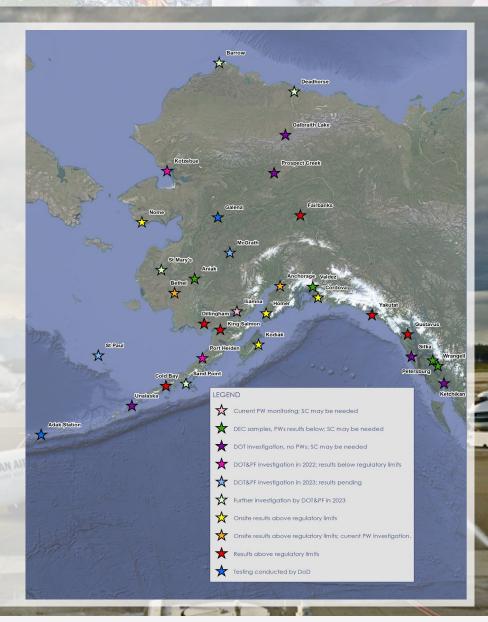
Products & Sources

- Aqueous Film Forming Foam (AFFF)
- Consumer Products with non-stick and stain-resistant

PFAS: WORK TO DATE

Funding
Total Contracted
\$7.3M
Total Invoiced
\$4.96M

Total Wells
632
Above Action Level
144





PFAS: WHAT'S NEXT?

Aircraft Rescue & Fire Fighting

AFFF Transition to Fluorine-Free Foam (F3) and ARFF Equipment Clean-Out/Replacement - RFP Summer '23

PFAS Mitigation

- Long-term Solution
 Implementation
- Site Characterization
- Development Projects

Challenges

- Funding
- No industry guidance for transition (clean-out)
- F3 Inventory
- **Evolving Regulatory Guidance**
- Development Projects



