



Alaska
International Airport
System
AeroNexus®

FAI Updates

Rachel Webb, Airport Operations Superintendent

October 2021

To Keep Alaska Flying and Thriving

Overview

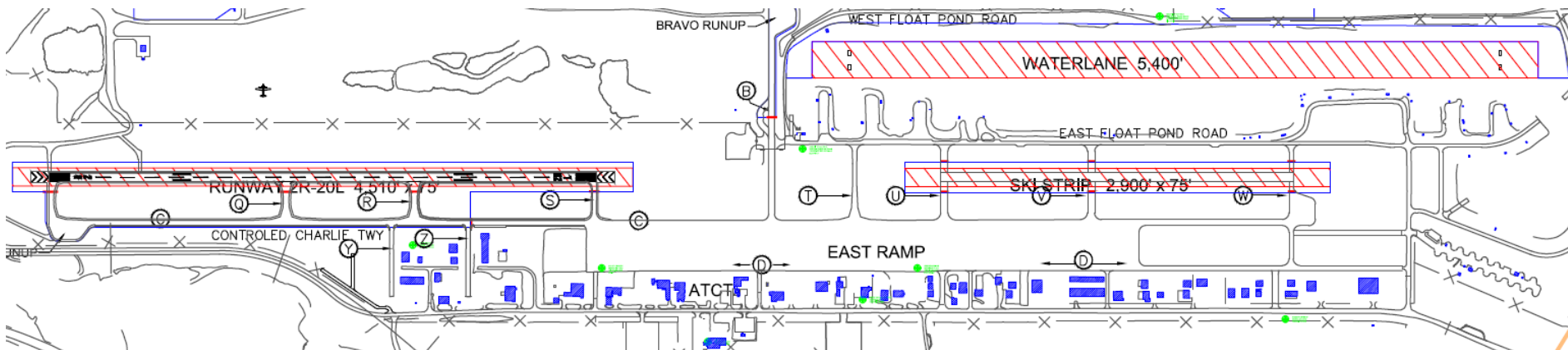
- **Runway 2R/20L Project Highlights**
- **Remaining Construction and Taxiway Gate**
- **Airfield Deicing Product snapshot**
- **Vehicle/Pedestrian Deviations**
- **Leasing Update**
- **Safety Management System**



2R/20L Runway Reconstruction

Project Highlights

- Now 4510' x 75'
- Lighted Wind Cones
- Romeo Relocated
- Romeo East, now Zulu, North of Zulu now uncontrolled
- Tango uncontrolled
- Bravo controlled mid taxiway bypass to the West.
- Taxi changes near Sierra and the East Ramp.



Project Addition

Sierra Run-up

- Project did not originally call for a run-up for 20L departures.
- Working without one after runway was reopened proved to be a safety risk and incompatible with FAI's unique GA operations.
- Fortunately the Airport was able to add the project in time to complete this season.
- Funded with International Airport Revenue funds

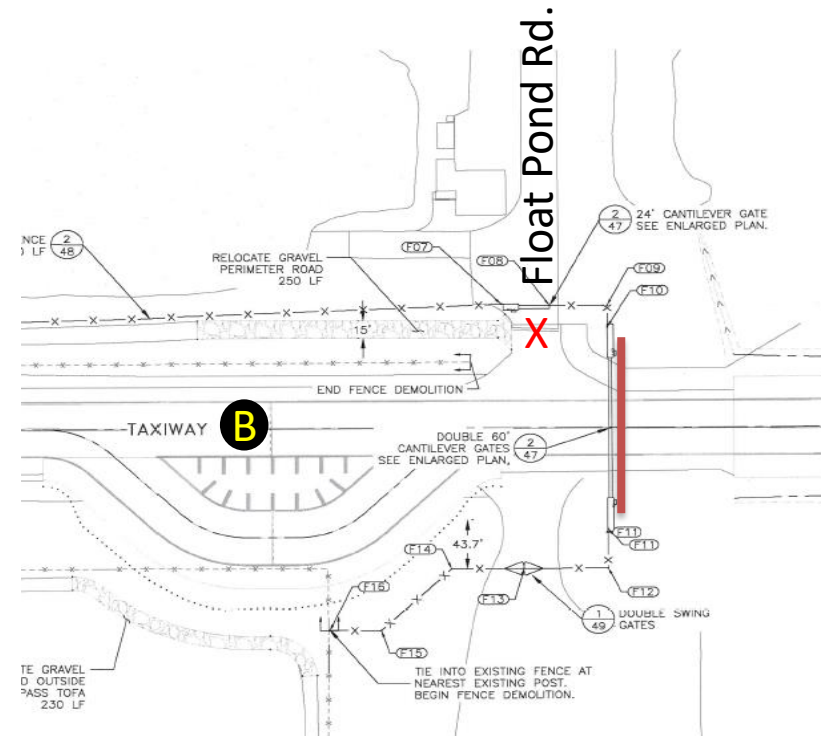
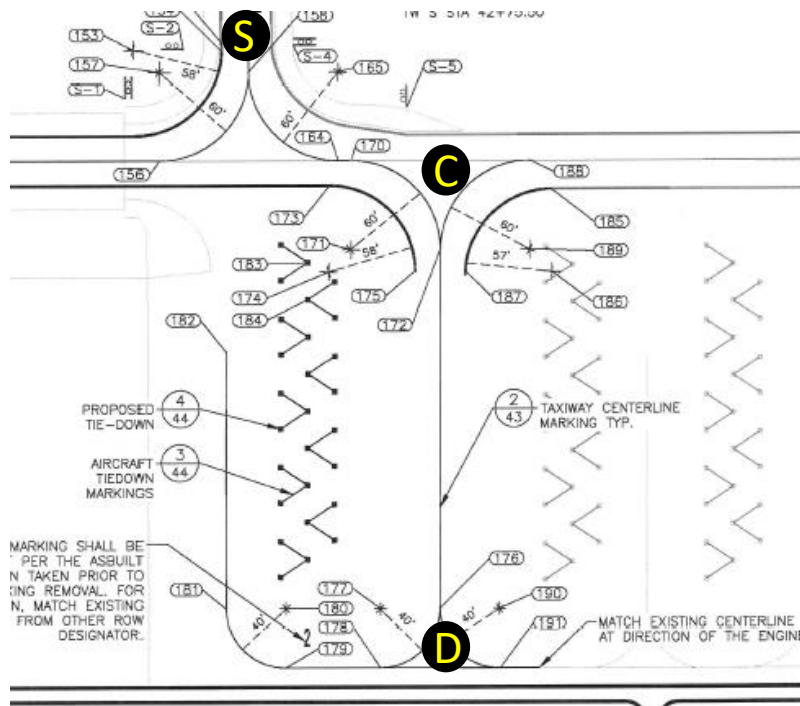


Construction Brings Operational Changes

Taxi changes

Runway incursion prevention:
Removed direct access from an apron to a runway due to FAA Regulation change

Float Pond Road access to taxiway Bravo is permanently closed to aircraft. Utilize tango or N Float Pond Rd.



Project Adds Required Security Fence

Fencing Changes

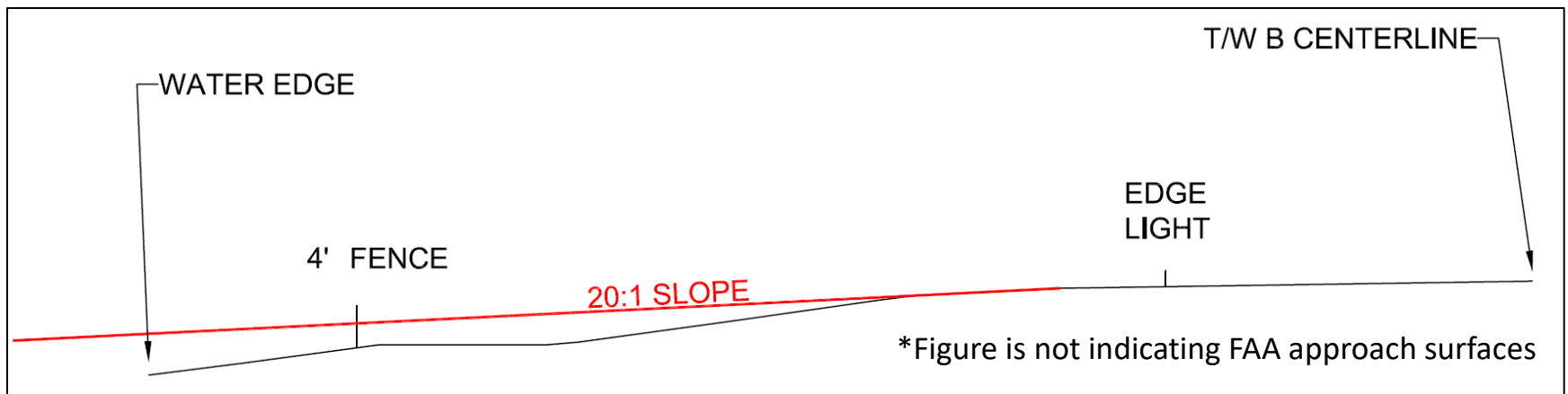
- Original taxiway gate placement not viable West of the pond approach due to FAA movement area rules with the 2W approach hold lines. Requiring the gate to be relocated East and associated security fence along the South bank of the float pond.
- The security fence underwent an FAA airspace study as part of the construction planning and determined not to be an obstruction.
- Once installed, per the TSA standard, the Airport did recognize the safety concern from the GA community and worked with TSA for an alternate solution.



Fence continued...

Fencing Changes

- Fencing reduced to 4' in 2W approach and marked with orange slats for increased visibility.
- An airspace study request has been submitted to the FAA to determine if lighting the fence would have a negative impact to the 2W approach.
- Fence is approximately 2.5' below the centerline elevation of taxiway Bravo



Addition of Brave Gate

Taxiway Bravo Gate

- Radio Controlled both directions: Key Mike 5 times on Freq 121.75 Mhz
- 90 Second time delayed/Auto Closing with photoeye system to prevent closing while aircraft cross.
- This winter will be a learning year for maintenance best practices, we appreciate your patience.



Airfield Deicing Products Used at FAI

-NEWDEAL® Solid Airfield Deicer meets the international aviation standard that is called Aerospace Materials Specification (AMS 1431) adopted by the FAA, which means NEWDEAL is FAA approved and is safe for use around aircraft.

-It is completely different from road salt. NEWDEAL is organic salt that does not contain any chloride that is corrosive to metals, and the product was tested and found to be less corrosive than tap water.

FAA Approved Sand



New Deal



Ecoway SF



Mix



Airfield Deicing Products and Aircraft Cleaning

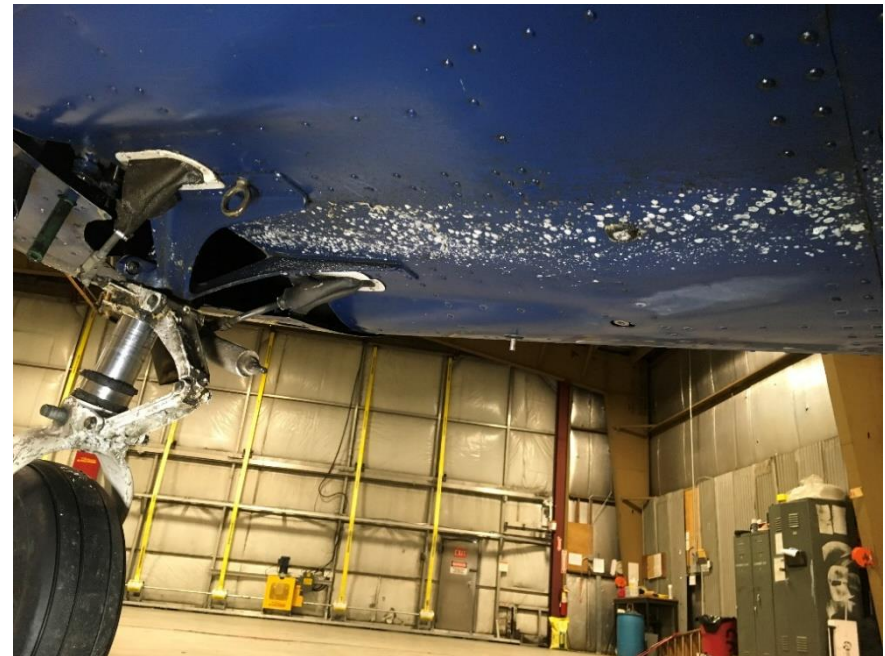
-Residual chemicals on aircraft is not harmful. Similar to typical environmental dust that may accumulate on aircraft, vehicles, equipment during the winter and is not washed off.

-If you cannot wash and no sand is present, it can be wiped with a cloth.

-Is not corrosive if left on aircraft during winter.

-Advertised on NOTAMs when chemical is Present on airfield surfaces:

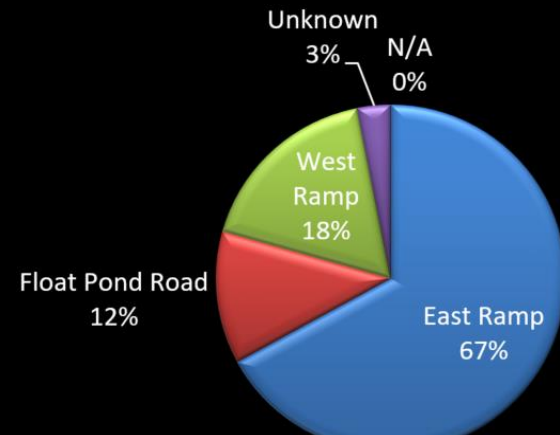
**RWY 02R FICON 10 PCT COMPACTED SN
AND 10 PCT WET DEICED LIQUID AND
DEICED SOLID 60FT WID OBS AT XXXX**



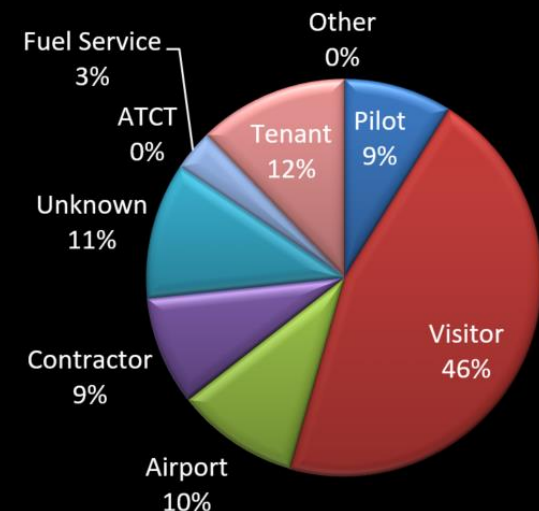
Vehicle/Pedestrian Deviations (VPD)

- VPD's at FAI are significantly higher on East Ramp surfaces.
 - Easily accessible
 - Over 30 open entrances along S. University
- Some FAI VPD Highlights
 - Unescorted visitors unfamiliar with the airport
 - Cyclists, recreation, and tourists looking for shortcuts or unfamiliar
 - Impaired drivers with no reason to be at the airport
 - People attempting shortcuts from East to West
 - Contractors hired by tenants and unfamiliar with the airport

FAI Deviations by Access



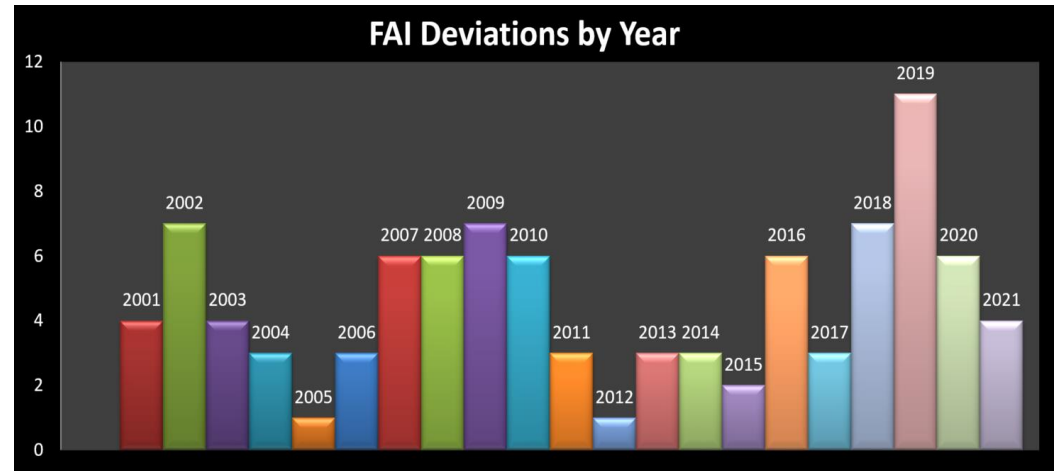
FAI Deviations by Affiliation



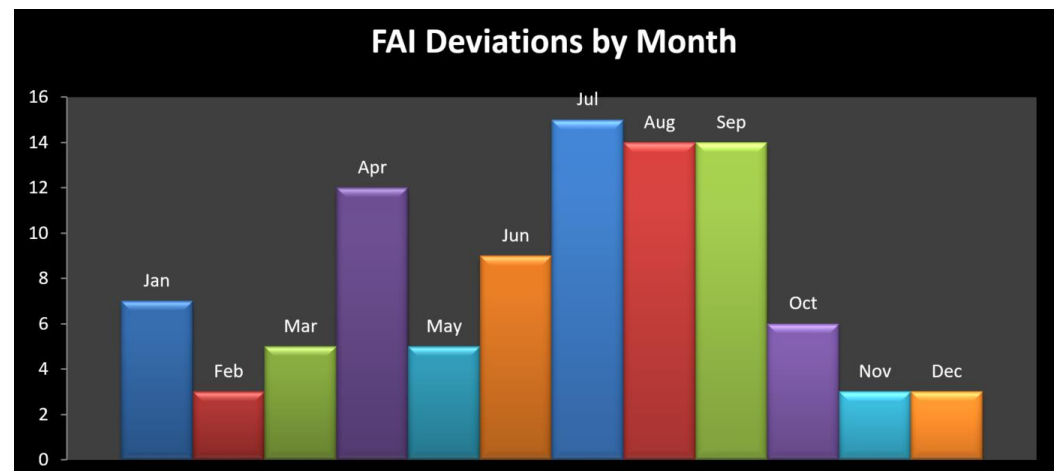
Vehicle/Pedestrian Deviations (VPD)

VPD: Pedestrians or vehicles entering any portion of the airport movement areas (runways/taxiways) without authorization from ATC.

- Since 2001 FAI has recorded 96 VPD's. **31 in the last 5 years**
**this data does not include pilot deviations occurring in aircraft.*



- VPD's are statistically higher in the summer months at FAI but we have had them occur in every month of the year.

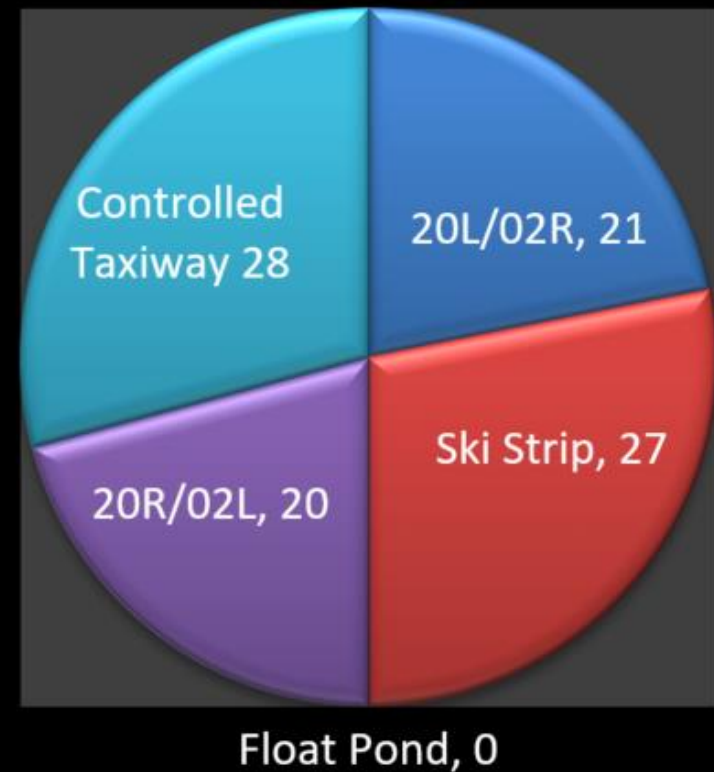


Vehicle/Pedestrian Deviations (VPD)

How can we reduce VPD's?

- Education
- Escort visitors
- Reduce open access from S. University
- Fully enclose east side
 - Would also reduce wildlife hazards

FAI Deviations by Surface



FAI Leasing – East Ramp

- **6 month tiedown payments** – Invoices will be mailed December 1st, 2021 for the January – June 2022 period. Payments due by January 1st, 2022.
- **Snow dump reminder** – clean, non-contaminated snow
 - Please do not push snow off your lease lot or any vacant lots
 - Please do not push snow across roadways or taxiways
- Maintenance improved some vacant lots this past summer by removing some trees / brush and filling in some low spots.



Leasing - New Lease Lots

- **Block 99 lots** – we have opened up 14 additional lots near the float pond expansion / Mitchell Expressway. We have 1 new tenant and 5 lots pending signature.
- Block 99 lot sizes:
 - 14,300 lots 1-3 & 8-14
approx. 130' x 110'
 - 19,230 lots 4-7
approx. 175' x 110'

For more information,
please contact Leasing @
474-2549. You can also
find the application
online at:

<https://dot.alaska.gov/faiiap/leasing.shtml>



Police & Fire Update

- **Airport Section of the Tanana Levee**

- Fires require a burn permit from the airport between April 1st and August 31st.
- Large Off-Road vehicles prohibited.
- No camping on airport and FAA property, outside designated areas.

- **Crime & Traffic**

- Area patrol, concourse, and traffic enforcement increase. Expect significant passenger and usage increase at the airport this summer.
- Report suspicious and criminal activity to Airport Police 474-2530, or 911 in an emergency.
- Airport Police have received reports of catalytic converter thefts, suspected to all be tied to same incident.

Safety Management System

- Jan. 15th FAI launched an anonymous Hazard Reporting Portal allowing everyone (passengers, tenants, employees, stakeholders, visitors) to report any-non emergency potentially hazardous conditions, incidents, and/or occurrences
- Reporting Portal: https://sms-fai.airportiq.com/SMS_PublicPortal/app/index.html#!/home/issue
- QR code:



Safety Management Systems

- Hazard Reporting Portal is to only be used for non-emergency and non-urgent communications to the FAI Safety Office.
- Urgent issues/emergencies still route through Airport Communications, 9-1-1 or 907-474-2530
- Report numbers are lower than expected; more use desired.
- Reports such as taxiway lights causing potential aircraft hazard and handicap parking have resulted in risk assessments. Has been helpful to be made aware of issues with option for anonymous reporting.
- Part of the soon-to-be required by FAA Safety Management System if Final Rule delivered as expected at close of calendar year 2021
- FAI SMS Contact: Safety Officer Amanda Stonecipher,
 - 907-474-2582 or Amanda.Stonecipher@Alaska.gov