

### Alaska UAS/AAM Development

### \$35.4 Million Programmed for CY 2023 for UAS Research and Development

- Funding Sources
  - U.S. DOT & FAA
  - State of Alaska
  - Private Investments
- Partnerships
  - ACUASI
  - State of Alaska Agencies
  - Federal
  - Private Industry









### Alaska UAS Growth for 2022-2023

### FAA | UAS Drone Popularity

Reporting data as of 1/10/2023 3:56:10 AM ET

### Ratio of Population to Drone Registrations

Rank of Popularity	Name	Population	Registrations	Ratio 1 to Population
1	Alaska	738,432	9,091	81
2	Hawaii	1,431,603	15,628	92
3	Utah	2,995,919	30,821	97
4	Idaho	1,654,930	17,003	97
5	Colorado	5,456,574	55,587	98
6	Washington	7,170,351	68,218	105



### **Unmanned Aviation (AK)**

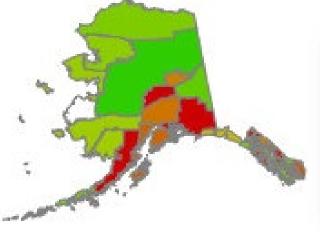
Remote Pilots = **3,241** 19% from 2022

Registered Unmanned Aircraft = **9,095** 12% from 2022

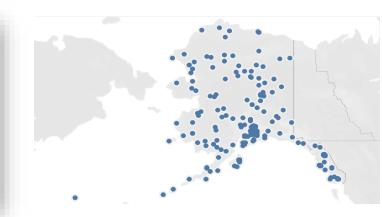


### **Manned Aviation (AK)**

Registered Manned Aircraft = **8,668 1** 4% from 2022

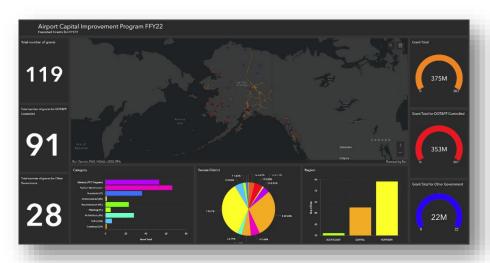


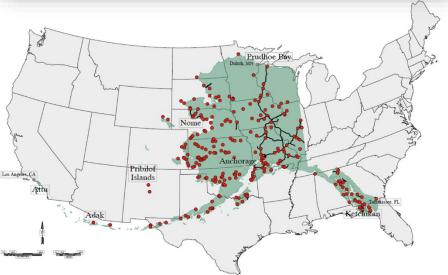






## **AAM Gap Analysis and Transportation System**









# **FAA Alaska Aviation Safety Initiative (FAASI)**





#### Safety Outreach

Continue and develop new safety outreach collaborations to address concerns...



Improve navigation charting by verifying and

adding mountain pass information...



Weather Reporting Enhancements

Install weather observing systems at airports and continue testing new weather...



Navigation Strategy Development

Develop an airspace navigation strategy with lower-altitude flight routes and...



Surveillance

Expand ADS-B service coverage to areas that don't have it



## **AAM Development and Planning Roadmap**

Advanced Air Mobility Infrastructure Study Technical Proposal Alaska Department of Transportation and Public Facilities | August 17, 2022



System Status Transparency

Safety Language









**Autonomous** 

**GPS** Augmentation

Low weather/night autonomous

**Full Airspace** 

Integration

**Advanced Navigation** 

Weather Radar

Full

Surveillance Technologies

Weather **Observations** 



Electronically Visible Cooperative Airspace









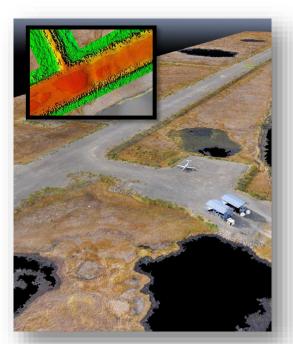


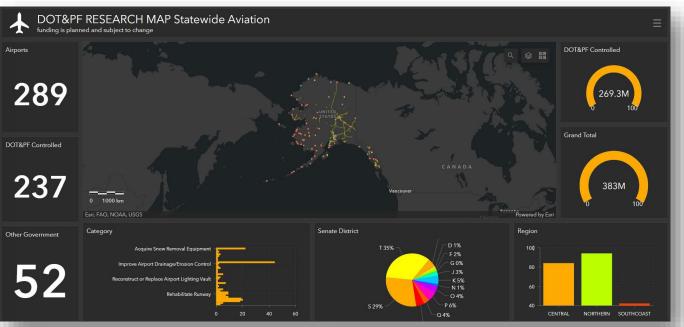






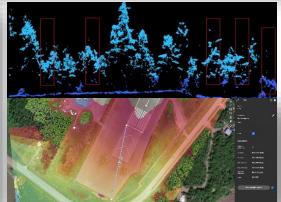
### AAM Infrastructure Monitoring & GIS (Geographic Information Systems)









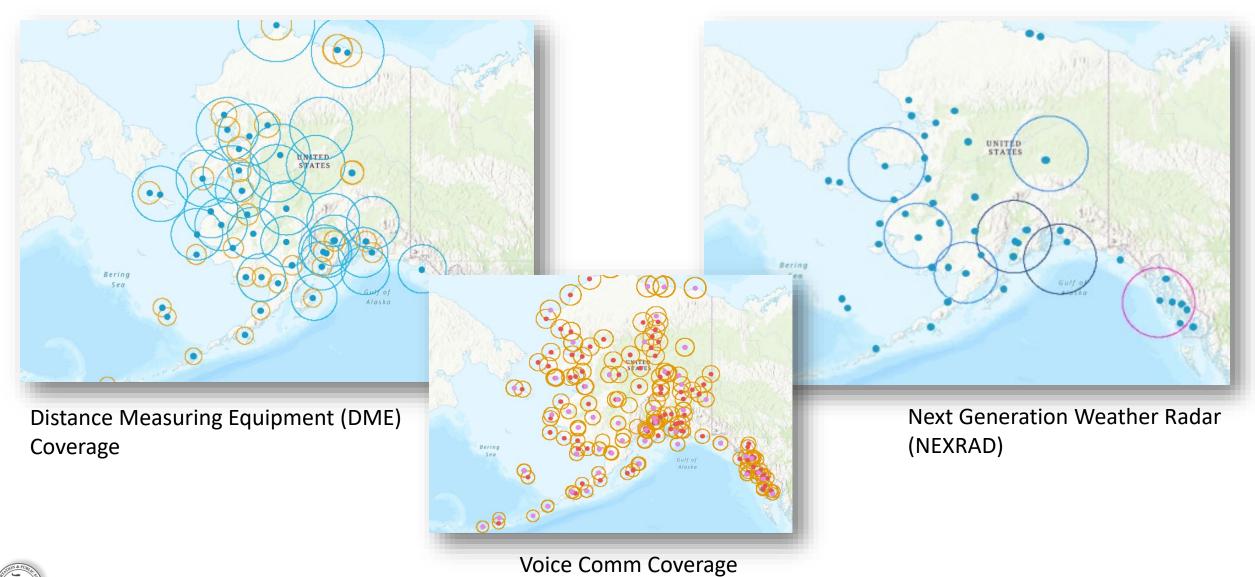






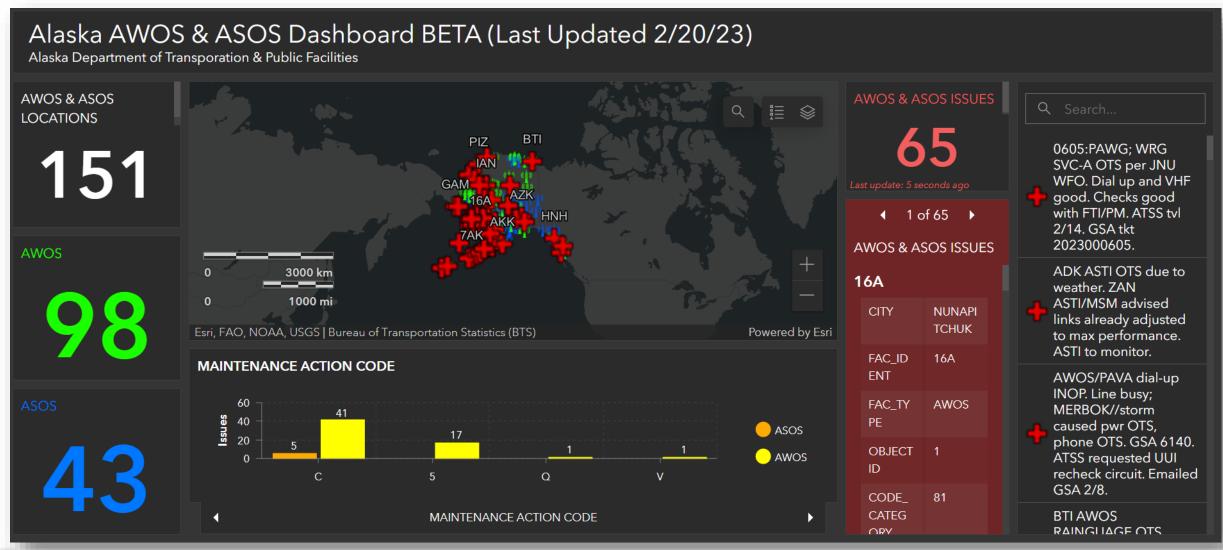


## **AAM Existing Infrastructure**



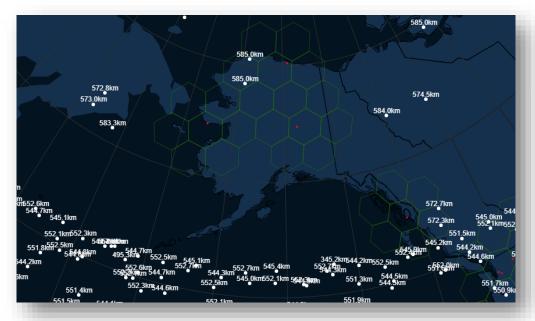


# **Automated Weather Observing Systems (AWOS) Dashboard**





# **AAM Rural Broadband Connectivity**



**PING** ms

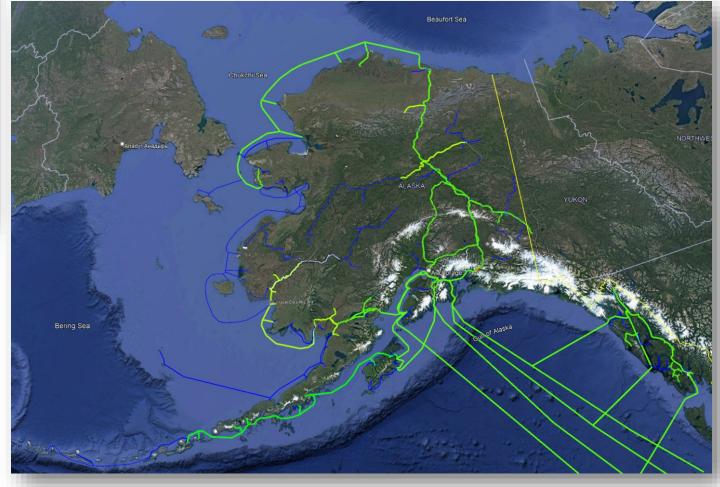
**DOWNLOAD** Mbps

**UPLOAD** Mbps

39

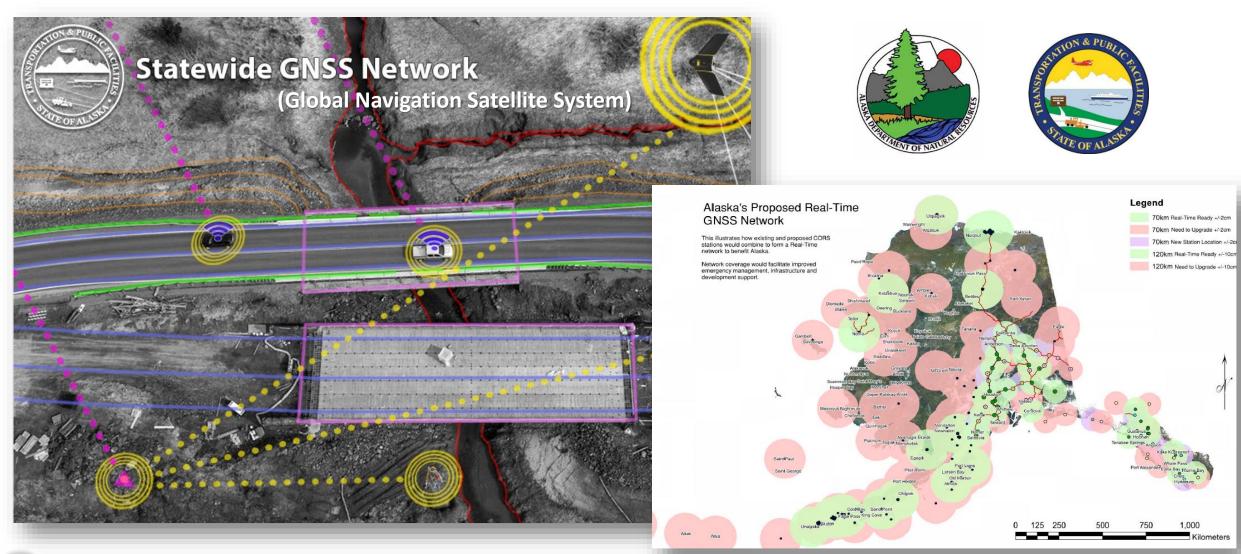
**174.21 33.40** 





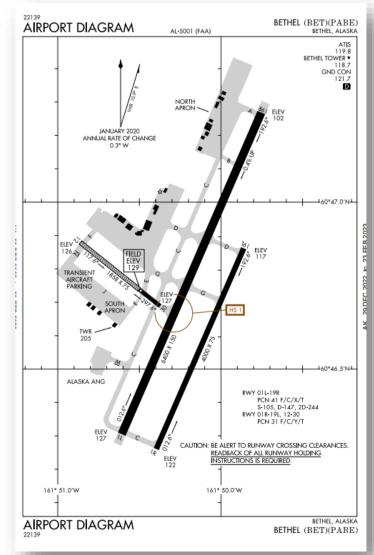


## **Alaska Continuously Operating Reference Network (ACORN)**

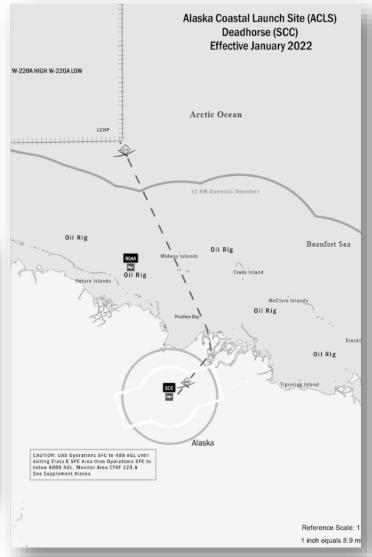




# AAM Technology Deployment







Remote Tower



### Alaska UAS & AAM Resources



Visit
dot.alaska.gov/uas
for all things UAS

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