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**TO:** Denise Koch, Director, Engineering & Public Works

**FROM:** Patty Wahto, Airport Manager *PW*

**DATE:** February 7, 2024

**RE:** PWFC - Juneau International Airport Construction Projects

### General

The Airport has several capital improvement projects currently in design development or equipment for acquisition. The Airport anticipates bidding and award over the next few months. This memo is a general overview of the projects and the project funding source. In addition to the annual FAA Airport Improvement Program (AIP) funding, Congress passed the Bipartisan Infrastructure Law (BIL) equating to roughly \$3.4M/annually for 5 years, for additional project funding.

### 1. Project Summary/Funding:

**A. Aircraft Rescue and Firefighting (ARFF) Apparatus (1.5M).** This would replace a twenty-one year old existing ARFF truck that is no longer in service, and no longer meets FAA certification. The current vehicle cannot be outfitted with the required e-Cart for annually firefighting foam flow testing. To meet FAA certification for this size airport and scheduled commercial airline service, two ARFF trucks are required to be in service at any one time. A spare truck is required in case either of the other two is out of service. This would replace the third vehicle (Engine A-2). This project is planned for FAA Airport Improvement Project (AIP) Bipartisan Infrastructure Law (BIL) funding grant.

**B. Aircraft Rescue and Firefighting Wetland Rescue Vehicle (\$300K).** This acquisition would allow for wetland rescues if an aircraft goes down in the wetlands surrounding the Airport. It has been several years since the Airport has had a wetland rescue vehicle. This would be adopted into the Airport's emergency plan. This project is planned for FAA Airport Improvement Project (AIP) funding grant.

**C. Master Plan/Airport Layout Plan Update (Planning) (\$500K).** This project will update the Airport's ten year old Sustainability Master Plan and Airport Layout Plan. The current plan was adopted in 2017, however 2014 data was used for planning. Forecasts for passengers and aircraft, as well as planned airport layout are required to be updated to accommodate the increases surpassing the 2014 projections. This project is planned for FAA Airport Improvement Project (AIP) or Bipartisan Infrastructure Law (BIL) funding grant.

**D. Design Runway Safety Area Grade; Shoulder Grade \$400K.** This project would design the appropriate grade of the safety area and shoulder outside the actual runway surface. This project is the result of the runway rehab in 2015 and will complete the grade/slope in the safety areas per FAA specifications. This design project was previously slated for FY23 but pushed to FY24. This project is planned for FAA Airport Improvement Project (AIP) funding grant.

**E. Repair to the West end Airport - Mendenhall River Embankment – Post-Glacier Dam Flooding.** This project would replace approximately 620 cubic yards of armor rock and underlying fabric that was washed away during the glacial dam flooding. This embankment makes up the west end of the airport dike and south end of the float pond. Funding Source/Costs TBD.

**Requested Action**

*The Airport requests that the Public Works and Facilities Committee recommend these projects to the Assembly for appropriation of the outlined funds, and in anticipation of grants from FAA and local match funding sources.*