

AIRPORT BOARD
AGENDA
6:00 P.M., TUESDAY, AUGUST 14, 2018
ALASKA ROOM

- I. CALL TO ORDER
- II. ROLL CALL
- III. APPROVAL OF MINUTES: Regular Monthly Meeting of July 10, 2018
- IV. APPROVAL OF AGENDA
- V. PUBLIC PARTICIPATION ON NON-AGENDA ITEMS

VI. UNFINISHED BUSINESS

A. Capital Improvement Plan (CIP) Update (Attachment #1). The Airport Board Finance Committee met on August 8, 2018, to receive an update on project timelines, funding and needs. Attachment #1 shows the updated CIP with the following major changes and corresponding motions forwarded on from the Finance Committee:

1. (#11) The Snow Removal Equipment Facility (SREF) Sand/Chemical/Fuel has been moved from FFY2021 to FFY2018 (ending September 2018); this project is a strong candidate for the \$1B Supplemental Airport Improvement Project (AIP) spending authorized by Congress earlier this year. This is additional funding to the already programmed AIP funds for construction-ready projects. By moving this project up, it would potentially free-up the AIP entitlement funds in FFY21 for projects like the terminal. Project costs were also updated to reflect design estimates and partial demo of old sand/chemical building. Total project cost is estimated at \$12M at this time. The increase (from \$10.3M) also means that the match (\$643,750 PFC match approved by Airport Board and currently being appropriated by Assembly) will need to increase to \$750,000. Staff will look at amending PFC9 by the \$106,250 difference. In order for the project to go out to bid, this difference will require a temporary funding source. Staff suggested a transfer from the capital revolving account (currently has just under \$500K in the account). It is also anticipated that if the grant for the SREF Sand/Chem/Fuel is awarded by the FAA, this project will be on a fast track for bidding, award and appropriation in August/September.

Board Motion: *“Approve the Snow Removal Equipment Facility Sand/Chem/Fuel Facility Capital Improvement Project anticipated special FAA Airport Improvement Project grant [in the amount of \$11,250,000]¹, and forward to the Assembly for award and appropriation upon receipt, local match provided through Passenger Facility Charge.”*

¹ At the August 8, 2018 Airport Finance Committee, the committee approved the anticipated FAA AIP grant in general; staff added in the estimated dollar amount of the grant for Airport Board approval.

Board Motion: *“Approve forward-funding of the SREF Sand/Chem/Fuel Facility Capital Improvement Project additional match requirement of \$106,250 from the Airport CIP revolving account; and amend PFC9 to increase/collect the additional \$106,250 funding; reimbursing the CIP revolving account upon future PFC collection/appropriation.”*

2. (#17) Terminal Reconstruction cost was updated based on conceptual project cost estimate (\$21.6M). At the July 10, 2018, Airport Board meeting, the Board approved a conceptual design and to move this forward for design and funding plan. The proposed project funding requires collection of AIP entitlements over three years to capture/ maximize entitlement dollars. The project is also proposing an increase to the current PFC9 funds from \$5,199,619 (as approved in PFC9 application) to \$5,983,514. Based on our airport size, only entitlement funds and PFC may be used for the eligible portion of the terminal; which is estimated to be 70% of the project at this time. FAA must also approve the use of entitlement funds for the three years in a row and AIP entitlement dollars are expected to be used in the year in which the grant is received. While the CIP plan outlines a financial plan and timing, in order for the project to move forward, a funding plan (cash flow) will need to be addressed so that the project does not have to wait until 2023 to start. CBJ Finance Director Bob Bartholomew discussed PFC/revenue backed bonding options that could make the cash flow work and could be achieved relatively quickly to make this a whole project. As such, matches (PFC) would have to be fully lined out, as well as bond reserves. The Committee also asked that the Airport Fund Balance and the Capital Revolving Account balance be readily available and trackable on-line so that everyone could see the balances and reimbursements due to the accounts.

Board Motion: *“Approve the increase of Terminal Reconstruction PFC9 match funds by \$783,895 and forward on for PFC public process.”*

3. Finally, the Airport CIP, as outlined in Attachment #1 was approved.

Board Motion: *“Approve the Airport Capital Improvement Plan update as presented in Attachment #1 (dated 8/6/2018).”*

VII. NEW BUSINESS

A. Airport Manager’s Report:

1. Republic Parking. Republic Parking has made some changes for a more user-friendly system. The incoming ticket dispenser will automatically dispense a ticket as a vehicle drives up instead of having to push a button to dispense. If a vehicle decides not enter the lot, the ticket is automatically cancelled and pulled back into the dispenser. Additionally, they have clearer signage and instructions on the self-pay credit card booth for faster exiting. Republic has seen 25-30% of the total use from the self-pay booth.
2. Congratulations to Firefighter/EMT Mark Fvette, Airport Master Firefighter. Congratulations to Firefighter/EMT Mark Fvette in attaining his ARFF (Airport

Rescue Firefighting) Airport Master Firefighter (AMF) as part of his professional development. The prerequisites include National Incident Management courses, ARFF training, self-study and successfully completing the test. The test covers FAA National Fire Protection (NFPA) industry standards in the ARFF field. He is the 3rd person in Alaska to complete this program and our second person in CCFR.



Mark Fuelle, AMF

3. Juneau Airport Website. The CBJ has been working department-wide to update their website. Each department was tailored to the specific needs. There was a requirement for ADA compatibility as well as be mobile (cell) friendly. The Airport piece of this is planned to go 'live' on August 20. The website will still be www.juneau.org/airport and will have a new look and hopefully easier to navigate. Staff is still learning the nuances of the new site and will continue to work with downtown as needed.

4. Float Pond Weed. Float pond weed is back. It is an invasive species from Canada that was more than likely brought in by a transient float plane. The dredging and steeper slope worked for a number of years, but it is back. Staff will be discussing this matter at its August 13, 2018 Operations Committee meeting. Some preliminary plans of attack will be discussed at the meeting including use of the weed harvester. The pond will also be lowered this winter for the float pond valve project, which will help control the weeds.

5. Eagle Nest South of Float Pond. An eagle nest was discovered in the trees south of the float pond earlier this summer. USDA Wildlife Services has been monitoring for further activity and they, along with Fish & Game, believe the nest may be abandoned. Airfield and USDA Wildlife Services coordinated a drone view of the nest to see if the nest was indeed empty. While it was difficult to get a good look (too dark), the nest will continue to be monitored and perhaps try another drone view on a

sunnier day. From there, they will look at next step measures and use established means to make the nest unusable. One method is to put a buoy in the nest to prevent further returns until the nest can be removed (again under our federal 'eagle nest take' permit). The tree has been 'flagged' by Fish and Game as having a nest. It would create a potential safety hazard for aircraft should eagles try to nest there again.

6. Airport Engineer Report (Attachment #2)

7. Airport Architect Report (Attachment #3)

VIII. CORRESPONDENCE:

IX. COMMITTEE REPORTS

A. **Finance Committee:**

B. **Operations Committee:**

X. ASSEMBLY LIAISON

XI. PUBLIC PARTICIPATION ON NON-AGENDA ITEMS

XII. BOARD MEMBER COMMENTS

XIII. ANNOUNCEMENTS

XIV. TIME AND PLACE OF NEXT MEETING:

A. Airport Board, 6:00 p.m., September 11, 2018, Alaska Room

XV. EXECUTIVE SESSION

XVI. ADJOURN

UPDATE W/1% SALES TAX (\$3M) FOR MATCH

10/20/2017

Juneau International Airport (JNU)

CAPITAL IMPROVEMENT PLAN

Airport Department Projects: CBJ Capital Improvement Plan

ATTACHMENT #1

Project #	Project Name	Anticipated Project Cost	Source of Funds																				8/6/2018	
			2017	2018	2019	2020	2021	2022	2023	2024	2025	2026+	FEDERAL			STATE	LOCAL							
													AIP Entitlements	AIP Discretionary	Other Federal Funding Sources ¹		State Legislative Grant	2012 General Obligation Bond	Other Unidentified Funds	Passenger Facility Charge (PFC) old	Passenger Facility Charge (PFC) #9	2012 Ballot Measure Sales Tax	2017 Ballot Measure Sales Tax	M & O Budget
1	RSA NE/NW(Ph 12) Construct Aprons, Fencing	\$10,800,000	\$10,800,000										\$134,336	\$9,990,664								\$1,075,000		
2	Design Taxiway A, Realign TWY E and Relocate TWY D-1 (RIM)	\$2,111,000	\$2,111,000										\$1,979,062									\$131,938		
3	Float Pond Improvements (Flow Control Valve)	\$816,000	\$816,000										\$765,000									\$51,000		
4	Replace Snow Removal Equipment	\$5,145,122	\$5,145,122											\$4,823,551								\$321,570		
5	Ramp Lighting Energy Grant	\$256,000	\$256,000											\$240,000								\$16,000		
6	First Floor Men's Restroom Renovation	\$40,000	\$40,000															\$40,000						
7	Terminal East End Doors/Vestibule	\$75,000	\$75,000															\$75,000						
8	Design/Const. Passenger Boarding Bridge Gate 2	\$1,922,000		\$1,922,000									\$1,801,875									\$120,125		
9	Design/Const. Terminal Reconstruction	\$1,500,000		\$1,500,000									\$634,736					\$791,515				\$73,750		
10	Design SREF Phase 2 Sand/Chemical Storage/Fuel	\$565,000		\$565,000									\$529,688									\$35,312		
11	SREF Building Phase II Sand /Chemical Storage, Fuel, demo old	\$12,000,000		\$12,000,000										\$11,250,000						\$750,000				
12	Const. Taxiway A Rehab	\$17,000,000			\$17,000,000								\$2,966,000	\$12,971,500						\$1,062,500				
13	Const. Taxiway E Realignment (Geometry)	\$2,000,000			\$2,000,000									\$1,875,000						\$125,000				
14	Const. Taxiway D-1 Relocation (RIM)	\$1,300,000			\$1,300,000									\$1,218,750						\$81,250				
15	26 MALSR (FAA F&E Project)	\$3,750,000			\$3,750,000										\$3,750,000	\$93,750								
16	Space Reconfig (old dining rm/kitn) Tenants & Admin	\$292,000			\$292,000														\$292,000					
17	Const. Terminal Reconstruction	\$15,272,530				\$15,272,530							\$2,966,000					\$6,108,486		\$5,588,044	\$610,000			
"	"	\$3,163,735					\$3,163,735						\$2,966,000							\$197,735				
"	"	\$3,163,735						\$3,163,735					\$2,966,000							\$197,735				
18	Terminal Camera Surveillance system Design & install	\$200,000				\$200,000									\$200,000									
19	Replace Trash Compactors and Pads	\$100,000				\$100,000																\$100,000		
20	Multi-Modal Feasibility Planning	\$10,000				\$10,000																	\$10,000	
21	Passenger Terminal Parking Lot Rehab	\$3,000,000							\$3,000,000										TBD				TBD	TBD
22	Terminal Area (121) Apron Rehabilitation	\$3,500,000							\$3,500,000				\$3,000,000	\$281,250								\$218,750		
23	Terminal Area (135) Apron Rehabilitation	\$6,000,000							\$6,000,000					\$5,625,000								\$375,000		
24	Emergency Vehicle Access Road (EVAR) extendDesign/construct	\$500,000							\$500,000					\$468,750								\$31,250		
25	Acquire Wetlands Access Vehicle (w/CCFR)	\$250,000							\$250,000					\$234,375								\$15,625		

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26	Replace Snow Removal Equipment	\$5,000,000							\$5,000,000					\$4,687,500					\$312,500								
27	NE Development Area Sewer Infrastructure	\$100,000							\$100,000								\$100,000										
28	Phase IC SREB (remainder of maintenance shop) non -FAA elig.	\$0							\$5,500,000															\$5,500,000			
29	Design & Reconstruct Alex Holden Way, Cessna and Renshaw	\$2,200,000								\$2,200,000														\$2,200,000			
30	Design/Const. Taxiway C Reconfiguration	\$5,000,000								\$5,000,000			\$3,000,000	\$1,687,500								\$312,500					
31	Design/Const. Safety Area Grading @ RW Shoulder and NAVAIDs (2025)	\$3,300,000									\$3,300,000		\$3,000,000	\$93,750								\$206,250					
32	Design/Const. Conversion of Runway 8/26 to 9/27 - MAGVAR (2025)	\$200,000									\$200,000			\$187,500								\$12,500					
33	Reconstruct West GA Taxilanes (2026)	\$2,500,000										\$2,500,000	\$187,500	\$2,156,250				\$156,250									
34	Reconstruct West Tiedown Apron (2026)	\$3,000,000										\$3,000,000	\$2,812,500	\$0				\$187,500									
35	Replace ARFF truck (2026)	\$1,000,000										\$1,000,000		\$937,500				\$62,500									
36	Reconstruct East GA Taxilanes (2027)	\$2,000,000										\$2,000,000		\$1,875,000				\$125,000									
37	Reconstruct East Tiedown Apron (2027)	\$3,000,000										\$3,000,000		\$2,812,500				\$187,500									
38	Reconstruct E-1 Ramp (2027)	\$5,500,000										\$5,500,000	\$3,000,000	\$2,156,250				\$343,750									
39	Terminal Expansion Planning - Baggage, Departure Loounge	\$600,000										\$600,000												\$600,000			
40	Parking Garage	\$20,000,000										\$20,000,000												\$20,000,000			
41	Snow Removal Equipment Acquisition	\$5,000,000										\$5,000,000	\$3,000,000	\$1,687,500										\$312,500			
42	ARFF Truck Replacement	\$1,000,000										\$1,000,000	\$937,500											\$62,500			
43	Demolish (old) Sand/Chem Facility complete subsurface	\$1,000,000										\$1,000,000	\$937,500											\$62,500			
44	Terminal Infrastructure Replacement	\$5,000,000										\$5,000,000						\$5,000,000									
45	Airport Master Plan Update	\$1,200,000										\$1,200,000	\$1,125,000											\$75,000			
46	Relocate/Construct FAA ATCT	\$50,000,000										\$50,000,000			\$50,000,000												
47	Terminal Expansion Construction	\$10,000,000										\$10,000,000						\$10,000,000									
48	Landside Access Roads Pavement Rehab	TBD										TBD	TBD														
49	Airfield Pavement Rehab	TBD										TBD	TBD		Project Budgets and Sources of Funds Will Be Defined At A Later Date To Be Determined												
50	Civil Air Patrol Hangar Relocation	\$0										TBD			These Projects May Move Forward As Project Funds Are Identified and Secured												
51	Fish & Wildlife Service Hangar Relocation	\$0										TBD															

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	TOTAL	\$198,102,000	\$0	\$12,000,000	\$24,342,000	\$15,582,530	\$3,163,735						32,863,999	\$52,205,875	\$53,950,000	\$93,750	\$6,108,486	\$16,162,500	\$292,000	\$8,314,765	\$610,000	\$1,171,875	\$100,000	\$28,822,500	

¹FAA:Facilities & Equipment, Transporation Security Administration, Homeland Security, Federal Economic Development Agency, etc.
Projects 11 & 14 in Red/highlight are candidates for earlier AIP Supplemental funding
16 Terminal proposes multi year FAA AIP entitlements

ATTACHMENT #2



MEMORANDUM

TO: Patty Wahto
Airport Manager

DATE: August 14, 2018

FROM: Mike Greene
Airport Project Manager

RE: Engineering Projects Monthly Report

General

Project specific summaries of project status and activity are presented below. Ken continues to work in a part-time capacity and will continue to provide assistance for the foreseeable future. Mike Greene will be working alongside Ken and Catherine on the projects.

Airport Sustainability Master Plan

The public comment period closed May 18, 2018. While no public comments were received, there was a question from Assembly Members at the March 7, 2018, Committee of the Whole meeting regarding the local capital project funds. The Federal Aviation Administration (FAA) had a couple of minor suggestions on the Airport Layout Plan (ALP) and these items have been addressed. As of August 9, 2018, the FAA has formally accepted the Aviation Forecast presented in the final edition. The FAA has requested one last review of the document prior to Airport Board and Assembly adoption. We now anticipate the final approval in September.

SREB Phase 1b Wash Bay

F&W construction continues work on the installation of the interior and exterior concrete floor slab assemblies within the Wash Bay and Maintenance Work additions. The work will be completed in late October 2018. The owner-furnished wash bay equipment has arrived and has been staged within the large maintenance bay.

Runway Safety Area (RSA) Expansion Phase IIB

Secon has completed their work on the project. DOWL has completed their final inspection and have issued their Final Inspection and Acceptance letter to SECON dated July 31, 2018. DOWL continues work on finalizing the final record drawings.

RSA Expansion Phase IIC

The project bids opened on Friday, July 20, 2018. One bid was received from SECON in the amount of \$8,754,856 for the base bid and all additive bid alternates. The Engineer's estimate for this work was \$8.4M. Recommendation to award the Base Bid and Additive Alternates 1 - 3 in the amount of \$8,754,856 will be forwarded to the City & Borough of Juneau (CBJ) Assembly for approval at the Regular Assembly Meeting on August 13, 2018. You may remember that this project went out for bid last fall with only one responsive bidder that was over budget/grant amount, so the project had to be re-scoped. Due to the current timing for bidding, this project will be completed in two construction seasons.

ATTACHMENT #2

Float Pond Improvements

The project is currently in the final stages of design and will be released for bid this week. Engineer's estimate is \$594K. PND and JNU are working with CBJ Engineering to finalize the bid package.

Taxiway A Rehab and Taxiway E Realignment Design, and Taxiway D-1 Relocation

Design documents continue with PDC Engineers. Taxiway A and E are at 35% design submitted/reviewed, moving to 65%; Taxiway D-1 is at 100% and will be released for bid late this week. PDC and JNU are working with CBJ Engineering to finalize the bid package. Engineer's estimate for the Taxiway D-1 project is \$1.1M.

Runway Repairs Post-Aircraft Incident (June 20, 2018). Repair work is currently scheduled for late August (weather dependent) when SECON's grinding, paving and grooving crew is in Juneau. JNU will assist with the coordination and safety during the repairs. Due to high daytime aircraft operations, the repairs will be done overnight to limit disruption. The runway will be closed overnight for the repairs. It is anticipated that two to three nights are needed for the runway repairs; then another couple of nights for the grooving. A schedule will be developed and will be coordinated with operators (especially medevacs and freighters), as well as Air Traffic Control and Flight Service. The repairs will be charged out to the responsible aircraft owner/insurance.

ATTACHMENT #3



MEMORANDUM

TO: Patty Wahto
JNU Airport Manager

DATE: August 9, 2018

FROM: Catherine Fritz, AIA
JNU Airport Architect

RE: Architect's Report of July 2018 Activity

Construction of the Snow Removal Equipment Building (SREB) wash bay and maintenance work area continued through July. Structural steel and roof were completed, and underground piping and concrete work continued. The wash equipment arrived on site in early August. Construction is scheduled to be substantially complete in October 2018.

A design concept for the Terminal Reconstruction project was accepted by the Airport Board at their July 10, 2018 meeting. This concept will continue to be refined as the design documents are developed, and phasing/demolition schedules are incorporated into the project. The consultants began developing a fee proposal for design services, which will become the basis for the FFY18 Airport Improvement Program (AIP) grant application. The design work will begin in earnest once the grant is received and appropriated, which is expected during September 2018.

On-site construction work on the Gate 2 Passenger Boarding Bridge (PBB) project was minimal during July, except that pavement markings were completed to allow limited use of Gate 2 until the PBB arrives. The PBB is currently being fabricated, and the construction schedule indicates crane mobilization on September 24, 2018 to begin setting the new PBB.

Staff met with the Federal Aviation Administration (FAA) regarding Buy American requirements for the Ramp Lighting Replacement project. The needed equipment for the project is not manufactured in America, so this has created challenges to constructing it as a stand-alone project (rather than integrating it with another project to make it eligible for a Buy American Type III Waiver). FAA staff suggested possible alternatives to meet program compliance; these options are being considered by JNU staff. The construction documents are complete, but the project will not be sent out to bid until a path for conforming to Buy American requirements can be found.

The Sand/Chemical Building and Fueling Station design team led by ECI Architects did an exceptional job of completing construction documents under a very compressed schedule. Simultaneously, Airport staff worked with the FAA to gain environmental clearance for the project and completed application materials for a supplemental AIP discretionary grant that was submitted to the FAA on August 1, 2018. The total project cost is estimated at \$12M. Construction documents are currently out to bid, and if JNU is successful in receiving the supplemental grant, construction work will begin in September 2018.

On July 24, 2018, the airport was notified that the Urban Waters grant to improve the Jordan Creek greenbelt was approved. Many thanks to John Hudson with the SE Watershed Coalition for spearheading this project. Once complete, it will significantly improve safety within the greenbelt along Yandukin Drive.

ATTACHMENT #3

Other projects during June included:

- Continued developing new graphic materials for signage around the terminal.
- Completed construction and planted grass in the new Service Animal Relief Area at the northeast corner of the terminal (behind the tall bus canopy).
- Continued working on close-out documentation for the Aircraft Rescue and Fire Fighting project.
- Began re-scoping needed equipment replacement within the secure exit lane.



Installation of underground piping at SREB Wash Bay.



North elevation of SREB Wash Bay.