

**Fairbanks International Airport: Aircraft Rescue Firefighting Facility Upgrades**

**FY2012 Request: \$16,700,000**  
**Reference No: 51627**

**AP/AL:** Allocation

**Project Type:** Construction

**Category:** Transportation

**Location:** Fairbanks Areawide

**House District:** Fairbanks Areawide (HD 7-11)

**Impact House District:** Fairbanks Areawide (HD 7-11)

**Contact:** Marc Luiken

**Estimated Project Dates:** 07/01/2011 - 06/30/2018

**Contact Phone:** (907)269-0730

**Appropriation:** Airport Improvement Program

**Brief Summary and Statement of Need:**

This project will upgrade the Aircraft Rescue Firefighting Facility (ARFF) at the Fairbanks International Airport. Upgrades are based on an assessment of the facility performed in 2010. Rebuilding v. upgrading portions of the facility is a planning consideration that will be determined via a cost-benefit analysis with lowest cost being the primary determinant. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

<b>Funding:</b>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>Total</u>
Fed Rcpts	\$15,865,000						\$15,865,000
IntAptCons	\$835,000						\$835,000
<b>Total:</b>	<b>\$16,700,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$16,700,000</b>

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Additional Information / Prior Funding History:**

None.

**Project Description/Justification:**

An assessment was performed on the Aircraft Rescue Firefighting Facility (ARFF) in 2010. Due to its life-saving nature, the facility is considered "essential" under building codes and must meet the standard of immediate occupancy post disaster event (earthquake/tornado/etc). The assessment noted a significant portion of the building does not meet seismic codes and should be replaced or reinforced. It noted the facility was not ADA compliant. It noted significant code deficiencies in building controls, electrical, mechanical, and energy. Given the antiquity of the structure and current systems, it is strongly anticipated such upgrades will result in reduced annual maintenance and operations costs. The planning cost estimate is based on upgrading the existing facility in its existing location as well as adding approximately 7,200 square feet for future expansion. It is not known at this time if this additional square footage will be necessary; a question that will be answered during the design phase. The estimate is also based on upgrading warm storage space attached to the ARFF building and currently being used to warm store airfield maintenance equipment. Warm storage of

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such equipment is essential to assure operability during cold temperatures and efficient work practices (i.e. avoidance of pre-starts, warm ups, fuel consumption, employee time). The airport plans to work closely with the airlines and in accordance with Master Plan forecasts to assure a "right sized" facility in accordance with cost-effective and prudent planning objectives.

The original ARFF facility was constructed in 1963. A warm storage addition for snow removal equipment followed in 1975. Smaller additions of a broom wash stall, urea storage area, and warm sand storage was added between 1975 and 1990. The upgrades are based on the assessment noted above as well as significant on the ground staff analysis of existing conditions. Current systems in the facility have far outlived their useful life and result in inefficient operations. Some examples include a total lack of replacement parts, manual operations of automatic systems (i.e. HVAC), and outdated and consumptive boilers. Rebuilding v. upgrading portions of the facility is a planning consideration that will be determined via a cost-benefit analysis with lowest cost being the primary determinant.

**IMPACT IF NOT PROVIDED:**

This is an essential facility to FAI, Fairbanks, and Interior Alaska. The required performance level for the ARFF facility is immediate occupancy after a disastrous event. Failure to not upgrade this facility results in increased liability expenses, legal exposure, and response risk in the event of an incident.