

**Deadhorse Airport Rescue and Fire Fighting/Snow Removal Equipment Building Expansion**

**FY2015 Request: \$10,050,000**  
**Reference No: 58211**

**AP/AL:** Allocation

**Project Type:** Construction

**Category:** Transportation

**Location:** Prudhoe Bay

**House District:** Arctic (HD 40)

**Impact House District:** Arctic (HD 40)

**Contact:** Jeff Ottesen

**Estimated Project Dates:** 07/01/2014 - 06/30/2019

**Contact Phone:** (907)465-4070

**Appropriation:** Economic Development

**Brief Summary and Statement of Need:**

This project will expand the existing Deadhorse Airport Rescue and Fire Fighting/Snow Removal Equipment Building (ARFF/SREB) to include additional equipment bays, sand and chemical storage bays and maintenance and operations personnel housing (approximately 80' x 110').

<b>Funding:</b>	<b>FY2015</b>	<b>FY2016</b>	<b>FY2017</b>	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>Total</b>
Fed Rcpts	\$8,050,000						\$8,050,000
Gen Fund	\$2,000,000						\$2,000,000
<b>Total:</b>	<b>\$10,050,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,050,000</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	0
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Prior Funding History / Additional Information:**

The cost estimate for the new facility is based upon a completed 35% design level prepared for the department by PDC Engineers, Inc. in preparation for an Airport Improvement Program (AIP) funded project to address this need (Estimated at \$8,050,000). However, AIP funding will only address the non-housing portions of the building. State funding will be required to complete the build-out on the upper level and create sleeping quarters for the maintenance crew.

**Project Description/Justification:**

The Deadhorse ARFF/SREB is in need of expansion due to the robust economic development in the oil and gas sector in the Deadhorse area. Alaska Airlines and other aviation operators' schedules have created the need to extend operation hours. The current facility is not adequate for the additional equipment, commodities and personnel needed for the extended hours of operations. The expanded building will facilitate airport maintenance, safety and security in the extreme operating environment found at Deadhorse. It will include a warm sand storage bay and chemical storage bay to facilitate airport maintenance.

The demand for extended hours of operations at the Deadhorse Airport requires additional personnel, equipment and airport operating surface deicing materials. The existing ARFF/SREB (constructed in 1999) is not adequate for the additional resources and personnel. The three outbuildings currently

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used for equipment and material storage are difficult and expensive to heat. This project will allow the consolidation of equipment, sand and deicing material storage into one facility, reducing costs and improving maintenance response capabilities. There is currently no indoor sand storage and de-icing materials are kept in inadequate cold storage facilities.

Deadhorse Airport is a Part 139 certificated airport which means trained Airport Rescue & Firefighting (ARFF) personnel are required by FAA regulations to stand-by to meet the jet in the event of an incident.

Expanding the building will support the extended hours, and the extended hours will allow freight and passengers to access Deadhorse Airport around the clock, promoting economic activity and business development in the oil and gas industry.

Due to a lack of housing in Deadhorse and the need to have maintenance and operations (M&O) and ARFF-trained personnel located on the airport, the building will contain employee housing and related facilities.

The Deadhorse Airport is vital to expanding petroleum exploration and production in Prudhoe Bay and the surrounding area and with its significant charter activity included, is the 3rd busiest airport in the state.

The project will also promote operational efficiencies related to the consolidation of commodities and equipment in one central location.

One significant benefit of the project will be a water and sewer treatment plant built into the building, which will eliminate the need to truck in potable water and removing sewage from holding tanks on a frequent basis. (In 2012 139,400 gallons of sewage was picked up at a cost of \$35,175 for the year.) Within four years of operations, this system should fully pay for itself and begin saving the state money.

**Advantages:**

- Economic Development – Allows for additional equipment and commodity (sand, deicing materials) storage to encourage additional use of airport throughout the day, encouraging economic development and industry expansion.
- Safety – Allows for safer airport operations, more frequent snow clearing, less opportunity for drifting to occur, more indoor equipment storage.
- Efficiencies – The ability to consolidate equipment and commodity storage will promote operational efficiency.