Ted Stevens Anchorage International Airport: Runway Deicer Storage | **FY2010 Request: $600,000** | **Reference No: 47804**

AP/AL: Allocation
Project Type: Construction
Category: Transportation
Location: Anchorage (Sand Lake)
Contact: Christine Klein
House District: Sand Lake (HD 27)
Contact Phone: (907)269-0724
Estimated Project Dates: 07/01/2009 - 06/30/2014
Appropriation: Airport Improvement Program

Brief Summary and Statement of Need:
Construct two additional Liquid De-icer Storage Tanks with a total capacity of 100,000 gallons. The additional storage is required to meet current and future capacity needs. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	Total
IntAptCons	$600,000						$600,000
Total:	$600,000	$0	$0	$0	$0	$0	$600,000

☐ State Match Required ☑ One-Time Project ☐ Phased - new ☐ Phased - underway ☐ On-Going
0% = Minimum State Match % Required ☐ Amendment ☐ Mental Health Bill

Operating & Maintenance Costs:

	Amount	Staff
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:
None.

Project Description/Justification:
Construct two additional Liquid De-icer Storage Tanks with a total capacity of 100,000 gallons, including foundations and dispensing systems.

The Federal Aviation Administration requires the Ted Stevens Anchorage International Airport (ANC) to maintain a minimum friction level on both taxiways and runways to help ensure the safety of aircraft taxiing and landing. This is partly achieved through the use of deicing chemicals.

Currently ANC has about a 90,000 gallon storage capacity, which is not enough if the airport encountered an extended snow storm. Deicing chemicals come to Whittier by barge, then to Anchorage by rail. Shipment takes 20 to 40 days to arrive at Whittier after ordered. If Whittier has avalanche, product delivery to Anchorage is delayed. ANC can use between 15K to 25K gallons per shift in bad weather. ANC needs an emergency reserve. With addition of new Papa parking, new Echo taxiway, and new Taxiway Zulu deicing needs have increased. As surface areas at the airport needing de-icing increases, the need for storage of de-icing fluid also increases. Also, greater liquid de-icer storage is needed with the recent shutdown of the Kenai urea production.

Aircraft taxiing and landing could be at risk and the airport could be forced to close, possibly putting the traveling public at risk, if adequate deicing storage is not provided.