

Ted Stevens Anchorage International Airport: Runway 7L Rehabilitation **FY2012 Request: \$6,875,000**
Reference No: 47800

AP/AL: Allocation **Project Type:** Construction
Category: Transportation
Location: Anchorage Areawide **Contact:** Marc Luiken
House District: Anchorage Areawide (HD 17-32) **Contact Phone:** (907)269-0730
Estimated Project Dates: 07/01/2011 - 06/30/2018
Appropriation: Airport Improvement Program

Brief Summary and Statement of Need:

Rehabilitate the deteriorated surface of Runway 7L, including all associated lighting, drainage, pavement, subgrade preparation, etc. Runway 7L has a Pavement Condition Index (PCI) of 78, based on the summer 2006 pavement management survey. Pavement condition is anticipated to be below a PCI of 70 in 2011. 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:	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	Total
Fed Rcpts	\$4,687,500						\$4,687,500
IntAptCons	\$2,187,500						\$2,187,500
Total:	\$6,875,000	\$0	\$0	\$0	\$0	\$0	\$6,875,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input checked="" 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
Totals:	0	0

Additional Information / Prior Funding History:

\$28,125,000 - Ch 43 SLA 2010 Sec 7 pg 43 ln 8; \$1,875,000 - Ch 15 SLA 2009 Sec 1 pg 29 ln 11.

Project Description/Justification:

The project will consist of removal of all of the existing asphalt surface of Runway 7R and replacement of unsuitable subgrade soils, rehabilitation of the storm drainage system, replacement of the runway lighting, re-paving, striping, and signage. The Federal Aviation Administration requires that airports have a Pavement Management System (AC 150/5380-7) that facilitates identification of expected pavement needs. Ted Stevens Anchorage International Airport's (ANC's) Pavement Management System identifies pavement condition as a function of the PCI. The PCI is established through a survey and subsequent software analysis of asphalt and concrete pavement condition. The PCI is a metric value of 0-100, with 100 being the optimum pavement condition. The pavement condition surveys analyze cracks, spalling, rutting, and other pavement conditions that become part of the 0-100 metric. Poor pavement conditions result in Foreign Object Debris (FOD) on aprons, runways and taxiways and are safety concerns for aircraft moving on the airfield. A 70 PCI is an indication that a project should be programmed in the short term to rehabilitate a runway. A PCI condition below 60 is an indication that a project should be programmed in the short term to rehabilitate taxiways and aprons on existing airfield surfaces.

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Runway 7L has a PCI of 78 as of the summer 2006 pavement management survey. Pavement condition is anticipated to be below 70 in 2011. Runway pavement conditions will degrade to an unacceptable level. The asphalt will continue to deteriorate until the surface cannot support moving aircraft. This involves potential damage to aircraft and surface transportation vehicles from cracks, ruts, FOD and other impediments.