

**Ted Stevens Anchorage International Airport: Airfield
Pavement Maintenance**

**FY2006 Request: \$12,668,486
Reference No: AMD 40294**

AP/AL: Allocation

Project Type: Construction

Category: Transportation

Location: Anchorage Area-wide

Contact: Kip Knudson

House District: Anchorage Area-wide (HD 17-32) **Contact Phone:** (907)269-0724

Estimated Project Dates: 07/01/2005 - 06/30/2010

Appropriation: Airport Improvement Program

Brief Summary and Statement of Need:

Rehabilitate the runways, taxiways and aprons located on the airfield in accordance with the Pavement Maintenance and Management Plan (PMMP). 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:	<u>FY2006</u>	<u>FY2007</u>	<u>FY2008</u>	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>Total</u>
Fed Rcpts	\$12,668,486						\$12,668,486
Total:	\$12,668,486	\$0	\$0	\$0	\$0	\$0	\$12,668,486

<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 checked="" 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
<u>One-Time Startup:</u>	0	
Totals:	0	0

Additional Information / Prior Funding History:

FY2004 - \$27,498,000; FY2002 - \$15,524,000.

Project Description/Justification:

This project rehabilitates the runways, taxiways and aprons located on the airfield in accordance with the Pavement Maintenance and Management Plan (PMMP). The work includes milling and overlaying the old pavement or reconstructing the underlying pavement structure and placing new pavement as required. Annual crack sealing of the existing pavement surfaces is included. Minor changes to the taxiway/runway geometry (example fillet widening), drainage, lighting, and electrical systems will also be completed as part of the rehabilitation work. Other improvements that may be accomplished under this project include airfield pavement upgrades, realignments, and reconstruction. Major improvements to the blast protection and electrical and lighting systems will be coordinated with this project. The project will also address other unforeseen needs and emergencies that may come up over the course of the Operating Agreement. Funding for the PMMP inspection program, airfield-mapping update are also included. Rehabilitation work will be phased to optimize the life of the existing pavement versus the cost of rehabilitation work, coordinated with other projects and consider operational issues. The project includes reconstructing fuel hydrants to serve the parking layout at the north terminal, drainage improvements, and locating bridge replacement at the North terminal. The PMMP has identified the current condition of airfield pavements and provided a methodology for predicting their future condition. The proposed work is supported by the PMMP. The goal of the PMMP is to maintain the average Pavement Condition Index at a "good" level. Deteriorated pavements cost more to maintain and to rehabilitate. Another goal of the PMMP is to optimize the life of the pavement with the cost of rehabilitation.