

Fairbanks International Airport: Airfield Pavement Rehabilitation - Phase 1

FY2003 Request: \$11,200,000
Reference No: AMD 36897

AP/AL: Allocation

Project Type: Construction

Category: Transportation

Location: Fairbanks Areawide

Contact: Kurt Parkan

House District: Fairbanks Areawide (HD 29-34)

Contact Phone: (907)465-3900

Estimated Project Dates: 07/01/2002 - 06/30/2007

Appropriation: Airport Improvement Program

Brief Summary and Statement of Need:

Reconstruct, overlay and replace airfield pavements and make drainage improvements to air operation area structures that have reached the end of their useful life. The work may also include modifications to Taxiway A alignment to meet current FAA standards and replacement of lighting as needed.

Funding:	<u>FY2003</u>	<u>FY2004</u>	<u>FY2005</u>	<u>FY2006</u>	<u>FY2007</u>	<u>FY2008</u>	<u>Total</u>
Fed Rcpts	\$10,500,000						\$10,500,000
Int Airprt	\$700,000						\$700,000
Total:	\$11,200,000	\$0	\$0	\$0	\$0	\$0	\$11,200,000

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

Additional Information / Prior Funding History:

None.

Project Description/Justification:

Project Title: Airfield Pavement Rehabilitation, Phase I

Funding:

Federal AIP: \$10,500,000

IARF: \$700,000

Total \$11,200,000

Project Description

**Fairbanks International Airport: Airfield Pavement
Rehabilitation - Phase 1**

**FY2003 Request: \$11,200,000
Reference No: AMD 36897**

Reconstruct, overlay and replace airfield pavements and make drainage improvements to air operation area structures that have reached the end of their useful life. The work may also include modifications to Taxiway A alignment to meet current FAA standards and replacement of lighting as needed.

A pavement Condition Index (PCI) survey was completed for all airfield pavements structures at Fairbanks International Airport (FIA) in 2000. The PCI indexes for the center of the primary runway, sections of the parallel taxiway and portions of the terminal apron were determined to be below the benchmark standards established by State. To determine the remedial work required a structural analysis was performed based on mechanistic design principles and non-destructive testing using a Heavy Weight Deflectometer. The analysis considered a 20-year design period and applied the project air traffic during this period. Based upon the conclusions of this analysis a pavement structural rehabilitation project will be undertaken with this first phase remediating the poorest performing structures and subsequent phases addressing other deficient pavement structures.