

**AMD: Anchorage International Airport: Airfield Reconstruction**

**FY2001 Request: \$6,500,000**  
**Reference No: AMD 32491**

**AP/AL:** Allocation

**Project Type:** Construction

**Category:** Transportation

**Location:** Anchorage Areawide

**Contact:** Kurt Parkan

**House District:** Anchorage Areawide (HD 10-26) **Contact Phone:** (907)465-3900

**Estimated Project Dates:** 07/01/2000 - 06/30/2004

**Appropriation:** Airport Improvement Program

**Brief Summary and Statement of Need:**

Reconstruct and repair airfield pavements, blast protection and safety areas and complete airfield lighting and electrical repairs and upgrades. This project will include items such as:

- Reconstruct taxiways to improve aircraft maneuvering, reduce congestion, reduce runway occupancy times, improve safety, and provide access to the airfield.
- Electrical and Lighting Repairs and Upgrades (Installing electrical duct banks on a portion of Taxiway Romeo, upgrading and completing airfield lighting and electrical requirements such as ductwork, taxiway and apron lighting)
- Reconstructing and expanding blast protection and safety areas around taxiways and runways.

<b>Funding:</b>	<u>FY2001</u>	<u>FY2002</u>	<u>FY2003</u>	<u>FY2004</u>	<u>FY2005</u>	<u>FY2006</u>	<u>Total</u>
Fed Rcpts	\$5,800,000						\$5,800,000
Int Airprt	\$700,000						\$700,000
<b>Total:</b>	<b>\$6,500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,500,000</b>

<input checked="" type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input checked="" type="checkbox"/> On-Going
7% = 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	
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Additional Information / Prior Funding History:**

**Project Description/Justification:**

Taxiway Rehabilitation/Improvements

The Pavement Maintenance Management Study (PMMS) identifies the current condition of airfield pavements at the airport and recommends maintenance schedules to optimize the life of the surfaces verses the cost of the rehabilitation work. The PMMS has identified surfaces needing reconstruction such as: Taxiway E/F. The pavement is severely deteriorated with rutting cracking, worn blast protection safety areas, and eroded shoulders which create FAR Part 139 problems and increase foreign object debris (FOD). This project includes removal of poor subgrade material, replacement of asphalt, and drainage improvements, in addition to crack sealing and repairing/rehabilitating other airfield pavements as funding allows.

The air traffic control tower, airport operations, and the master plan have identified the need to improve aircraft traffic flow and safety between the runways, terminals, and aprons. Priority taxiway improvements include re-establishing Delta-1 which will provide an additional taxiway for more efficient aircraft movement, provide air traffic controllers increased flexibility in routing traffic and reduce taxi times. Currently congestion occurs between the South Terminal and the runways due to increased regional aircraft movement in this area. Additional taxiway improvements have been identified

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to improve aircraft movement and safety and would be completed on a priority basis as funding allows.

**Taxiway V and Postmark Drive Intersection Improvements**

The installation of the signals and gates on Postmark Drive at the intersection of Taxiway V will allow traffic to flow through the intersection without stopping unless a plane is present. Loop detectors located on Taxiway V will automatically activate the signal/gate when an aircraft is detected and block vehicle access into this intersection. Adding signals on Taxiway V will hold aircraft outside of the intersection until the gate arms are down. Holding the competing traffic at this intersection will improve safety. Traffic flow will be improved by allowing vehicles to flow through this intersection without stopping unless aircraft are taxing. Average daily traffic on Postmark Drive is 11,000 compared to the 50 aircraft that travel through the intersection on Taxiway V. This project has a high benefit/cost ratio based on reducing driver delay.

**Airfield lighting and electrical repairs and upgrades.**

This work will improve safety and operations and in accordance with Federal requirements. Additional lighting is required to improve operations on taxiways and to improve safety and security in general aviation aircraft parking areas. Electrical failures have occurred on Taxiway Romeo due to frost heaving. Temporary surface wiring was laid to maintain the taxiway lights and this project will install ducting to move the service underground. Other needed lighting and electrical work will be completed as funding is available.

**Blast Protection and Safety Areas**

Continue constructing improvements to worn and eroded blast protection and safety areas that are causing foreign object debris on the airfield and FAR Part 139 violations. Steep slopes in the infield blast protection areas do not meet federal standards. This project completes the next priority blast protection and or safety area needing repair, reconstruction, and upgrades, such as filling and grading the infield and reconstructing and expanding the blast protection area between Taxiways R, E, L, and K.

Projects under this funding could change slightly to meet unforeseen demands and priorities.