

Birchwood: Airport Lighting Replacement**FY2005 Request: \$150,000****Reference No: AMD 39365****AP/AL:** Allocation**Project Type:** Construction**Category:** Transportation**Location:** Birchwood**Contact:** Kip Knudson**House District:** Chugiak/Southern Mat-Su (HD 16)**Contact Phone:** (907)269-0724**Estimated Project Dates:** 07/01/2004 - 06/30/2009**Appropriation:** Airport Improvement Program**Brief Summary and Statement of Need:**

Replace existing direct burial wiring for the runway and taxiway lights, and lighted wind cone, with new wiring in conduit. Also replace broken or non-functional light bases for the runway and taxiway lights; repair or replace existing regulator enclosure; and modify existing signage.

Funding:	FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	Total
Fed Rcpts	\$150,000						\$150,000
Total:	\$150,000	\$0	\$0	\$0	\$0	\$0	\$150,000

<input checked="" 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
5% = 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:

\$400,000 - FY2004.

Project Description/Justification:

The purpose of the project is to address deficiencies in the lighting system and bring the system into compliance with current Federal Aviation Administration, Department of Transportation and electrical code standards. The intent is to construct a safer, more reliable, and more energy efficient airport lighting system at Birchwood Airport. The existing airport lighting was installed in 1978, with the wiring directly buried. The system has outlived its useful life, and the wiring now fails with increasing frequency. The current practice of searching for and replacing defective wire runs one at a time as they fail unexpectedly is neither cost effective nor safe. During each replacement, airport operations are limited both by the presence of construction equipment on the taxiway and runway, and by the darkening of the entire string of lights every time one wire segment fails. Signage at the airport does not meet current standards. This could cause confusion for visiting pilots.