

Ted Stevens Anchorage International Airport: Technology Infrastructure Upgrades **FY2007 Request: \$2,000,000**
Reference No: 41538

AP/AL: Allocation **Project Type:** Information Systems
Category: Transportation
Location: Anchorage Areawide **Contact:** John Torgerson
House District: Anchorage Areawide (HD 17-32) **Contact Phone:** (907)269-0727
Estimated Project Dates: 07/01/2006 - 06/30/2011
Appropriation: Airport Improvement Program

Brief Summary and Statement of Need:

This project will upgrade and enhance the IT infrastructure of the Ted Stevens Anchorage International Airport (TSAIA). It includes installation of redundant fiber optic cabling between the airport and the local wire centers, installation of redundant network capabilities between Airport facilities, and implementation of Quality of Service management control systems to improve network performance. This project contributes to the Departments Mission by reducing injuries, fatalities and property damage.

Funding:	<u>FY2007</u>	<u>FY2008</u>	<u>FY2009</u>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>Total</u>
IntAptCons	\$2,000,000						\$2,000,000
Total:	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$2,000,000

<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 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>	<u>0</u>	<u>0</u>
Totals:	0	0

Additional Information / Prior Funding History:

None.

Project Description/Justification:

The project completes the installation of a wireless infrastructure to serve the public as well as provides functionality and better communications to the airlines, tenants and the airport. It also includes installation of an IP telephony system to provide the cost benefits of voice over IP (VoIP) to the airport. The system will be extensible to the airlines and tenants of the airport and the cost will be included in the airport's rate base.

Airport systems operate on a series of dedicated networks which have evolved into disparate systems which all employ the same technologies. The cost of maintaining these discrete networks is increasing through their continued operation and maintenance as individual systems. Economies of scale which could be achieved by operating the networks as a single enterprise-wide installation are not being realized. Excess capacity provided in one system cannot be used to support needs in other areas due to constraints in their design and implementation.