

**State of Alaska Telecommunication System (SATS)
Projects**

**FY2006 Request: \$1,500,000
Reference No: 40438**

AP/AL: Appropriation **Project Type:** Information Systems
Category: General Government
Location: Statewide **Contact:** Eric Swanson
House District: Statewide (HD 1-40) **Contact Phone:** (907)465-5655
Estimated Project Dates: 07/01/2005 - 06/30/2010

Brief Summary and Statement of Need:

These projects will provide maintenance on the degraded SATS infrastructure which is the backbone of the state Wide Area Network (WAN) and the Alaska Land Mobile Radio (ALMR) projects. Also included is an inventory of all equipment per site and an assessment of structural integrity and performance.

Funding:	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	Total
Info Svc	\$1,500,000						\$1,500,000
Total:	\$1,500,000	\$0	\$0	\$0	\$0	\$0	\$1,500,000

<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
One-Time Startup:	0	0
Totals:	0	0

Additional Information / Prior Funding History:

Funding in the amount of \$635.0 was appropriated in FY2004 for the SATS portion and \$340.0 was appropriated in FY2003 for the Two-Way Radio portion of the SATS projects.

Project Description/Justification:

SATS Battery Upgrades

Replace batteries that provide either primary or backup power at twelve remote communications sites.

**Proposed
FY06**

\$120,000

SATS Digital Microwave Radios

Convert analog microwave links to digital links on the Kenai Peninsula; upgrades are mandatory to support ALMR service coverage in this area.

**Proposed
FY06**

\$450,000

SATS Test Equipment Set

Replace obsolete communications test equipment required for troubleshooting the microwave network, includes upgrade to provide ability to support the P25 standard used by ALMR.

**Proposed
FY06**

\$125,000

Full SATS Network Site Survey

Analysis of one hundred and twenty-eight (128) SATS microwave sites, includes inventory of all equipment per site, performance measurements (existing vs. engineered), and assessment of structural integrity (towers, shelters, foundations, etc).

Proposed

FY06

\$920,000