

**Administrative Information Technology Equipment
Replacement and Upgrades**

**FY2006 Request: \$3,382,900
Reference No: 39999**

AP/AL: Appropriation

Project Type: Information Systems

Category: University

Location: Statewide

Contact: Pat Pitney

House District: Statewide (HD 1-40)

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Estimated Project Dates: 07/01/2005 - 06/30/2010

Brief Summary and Statement of Need:

This request is necessary to meet UA's Administrative IT equipment needs.

Funding:	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	Total
ASLC Bonds	\$3,003,400						\$3,003,400
Gen Fund		\$4,680,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$16,680,000
Univ Rcpt	\$379,500	\$1,000,000					\$1,379,500
Total:	\$3,382,900	\$5,680,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$21,062,900

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

Project Description/Justification:

Administrative IT Equipment

Juneau Campus Telecommunications Wiring Replacement

UAS Juneau

FY06 Total: 222.8

The Juneau Campus invested in a campus-wide telecommunications infrastructure in the early 1990s. The wiring plan used the latest technology available at the time; however, the infrastructure is now over 10 years old and does not meet the specifications of contemporary wiring standards. This project would remove outdated/noncompliant telecommunications wiring and install wiring which meets current telecommunications standards (CAT5).

Network Security Infrastructure

UAF Fairbanks

FY06 Total: 75.0

Creation of a network security infrastructure which will provide the ability to perform network based intrusion detection, traffic analysis, network monitoring and data collection and archival. The infrastructure will be initially deployed at the main Fairbanks campus and will be extended to each of the rural campuses.

Enhance UA Computing Security

Statewide Systemwide

FY06 Total: 166.0

Provide resources to protect and maintain the integrity of UA data and Information Technology systems including technical resources and the ability to provide secure applicable systems/networks. This request is for Statewide

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and UAA/UAF/UAS.

Enterprise Server Lifecycle Replacement

UAA Anchorage

FY06 Total: 307.6

UAA supports central computing services to all campus locations. Certain applications (e.g., directory service, email, course management, and database) are centralized and delivered at the MAU level. Other applications (e.g., Microsoft Exchange, file storage, database) are centralized and delivered at the local campus level. The MAU-centralized server is Sun Microsystems equipment and Intel-based products, typically HP/Compaq. This project upgrades and initiates a 3-year equipment lifecycle replacement at all UAA campus locations and addresses need for improved redundancy in equipment operation. This will dramatically improve service and reduce risk associated with system failure.

UAF Network Renewal

UAF Fairbanks

FY06 Total: 500.0

Renew and/or replace aging network electronics on the UAF campus and associated buildings in the immediate campus area reducing the number and frequency of network outages and improving individual network security. Includes replacement of some equipment and upgrades to some existing equipment. This will provide the potential for 100Mbps to the data port and gigabit Ethernet uplink to the UAF campus network. This proposal will make wireless network connectivity available in the common areas in all buildings.

Digital Document Infrastructure for Business Process and Workflow Enhancement

Statewide Systemwide

FY06 Total: 450.0

This initiative will provide the necessary capacity and infrastructure for migrating UA business documents and forms to electronic (or digital) documents. Electronic documents reduce storage and maintenance costs; increase availability of records and archives; expedite processes such as review and approval (since documents may be sent nearly instantaneously); provide opportunities for enhanced automated services to students and others. Benefits of electronic document storage, retrieval and processing depend critically on integration into and enhancement of business practices and workflow. Integration, in turn, requires common systems and standards in the many business areas of UA, at each of its MAUs (e.g., recruiting, admissions, financial aid, advising, student records, budget, accounts payable, audit, human resources, benefits, and individual department administration). This initiative seeks improved efficiency by establishing a common set of standards and tools for creating, storing, and retrieving University documents. It will not encompass all the specific electronic document needs of the University but rather assures that as units begin to utilize electronic documents they will be able quickly to integrate their documents with other processes through common technologies supported throughout the University.

Video-conference Endpoint Lifecycle Replacement

Statewide Systemwide

FY06 Total: 199.6

This project will: (a) provide 5-year lifecycle replacement of all video endpoint equipment, (b) upgrade all endpoint equipment upon replacement to H.264 standard, and (c) anticipate expansion of video endpoints as required by programs for all of UAA's and UAS' campus locations. Both MAUs have seen significant growth in the use of video-conference technology for instructional delivery. This project supports that growth and ensures that dependable and sustainable equipment is available.

Wireless Network Equipment for Emergency Failover

UAF Fairbanks

FY06 Total: 240.0

This request provides for wireless networking for failover support in buildings that are not on the main campus and currently have only one network access point.

UAA Wireless Network Deployment

UAA Anchorage

FY06 Total: 268.9

This project will deploy wireless LAN access on the main campus, major Anchorage metropolitan locations, and at

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community campus locations. Wireless hotspots will be located in priority common areas, large classrooms and amphitheatre/lecture halls. This will provide faculty, staff, students, and authorized patrons flexible access to network services.

Implement a UA Test Network

Statewide Systemwide

FY06 Total: 304.0

Implement a UA test network to evaluate, test, and certify new hardware, software code, features and configuration changes in a test environment before a production implementation, specifically: 1. Procure sufficient equipment (routers, switches, etc.) to enable testing of network changes before they are placed in production status; 2. Procure (or devise testing strategies) for UA circuits and protocols in use at UA.

Software Configuration Management Upgrade

Statewide Fairbanks

FY06 Total: 269.5

This project results in a suitable upgrade for the University of Alaska's approach/tool suite for managing its information technology assets, particularly the thousands of software objects that make up its core enterprise computing infrastructure. This project also includes outsourcing of the maintenance and technical support for the university's software configuration management application.

Room Scheduling Software

Statewide Systemwide

FY06 Total: 154.5

Maximizing space utilization is a top priority across the UA system. Accurate and timely information reflecting the current status of space utilization at any of the campuses is important. Classrooms, labs, conference rooms, and other public use spaces are not tracked centrally. Facilities scheduling responsibilities fall under Academic Affairs for a small number of "centrally scheduled" spaces, while the majority of spaces are scheduled by individual departments. This software will enable staff to effectively answer the inquiries concerning space utilization.

UAS Juneau Campus Telephone System

Statewide Juneau

FY06 Total: 225.0

This project seeks to establish a campus-based phone system at the UAS Juneau campus. Since the early 1990s, UAS has outsourced phone service. In recent years, the service level has deteriorated while costs have escalated. In addition to cost efficiency, such a solution would bring UAS in line with the phone standard at the other MAUs.