

**Safety and Highest Priority Renewal and Replacement/Telecommunications Equipment**

**FY2002 Request: \$3,575,000**  
**Reference No: 34507**

**AP/AL:** Appropriation

**Project Type:** Renewal and Replacement

**Category:** University

**Location:** Statewide

**Contact:** Pat Pitney

**House District:** Statewide (HD 1-40)

**Contact Phone:** (907)474-5889

**Estimated Project Dates:** 07/01/2001 - 06/30/2005

**Brief Summary and Statement of Need:**

The current safety and R&R needs of the UA system were evaluated using the following BOR criteria (listed in order of importance): Addresses Safety and Code Requirements, Developed Plan/Project Readiness/Ability to Execute, Supports a Strategic Initiative/Demonstrates Responsiveness to State Needs, Impact on Students, and Impact on Programs. The items presented within this project are those Safety and R&R needs assessed as the highest priority. Funding received in this category will be used for the highest priority and most urgent renewal and replacement, code compliance and ADA requirements.

<b>Funding:</b>	<b>FY2002</b>	<b>FY2003</b>	<b>FY2004</b>	<b>FY2005</b>	<b>FY2006</b>	<b>FY2007</b>	<b>Total</b>
ASLC Div	\$1,686,900						\$1,686,900
Gen Fund	\$1,883,300						\$1,883,300
Invst Loss	\$4,800						\$4,800
<b>Total:</b>	<b>\$3,575,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,575,000</b>

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input checked="" type="checkbox"/> Phased Project	<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
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Additional Information / Prior Funding History:**

Individual items are as follows: Housing Sprinkler Systems - UAF, Student Housing Safety Upgrades-UAA, Water and Fire Systems-UAS, Ventilation Air for Hume Hoods-UAA, B-Core Fire Suppression-UAA.

**Project Description/Justification:**

**Maintaining a Solid Foundation - Safety and Highest Priority Renewal and Replacement**

**Housing Sprinkler Systems-UAF**

**\$870.3 GF**  
**\$870.3 TPC**

<u>Milestone</u>	<u>Start</u>	<u>Finish</u>
Scope Complete		
Design	07/01	09/01
Bid	10/01	10/01
Construction	11/01	11/02
Move-in	N/A	

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UAF has been systematically installing sprinkler systems in its housing units since the early 1990s. However, there are several smaller housing facilities or portions of buildings where students are housed that do not have sprinkler systems. This project would complete the installation of sprinkler systems in all sleeping quarters of single students on the UAF campus. The single student housing units that lack a fire sprinkler system are:

- ? Cutler Complex
- ? Fraternity House

In addition, faculty and family housing units do not have sprinkler systems. This project will allow sprinkler installation in the following four additional faculty and family housing units with the highest concentration of occupants:

- ? Hess Village
- ? Stuart
- ? Walsh
- ? Garden Apartments

**Student Housing Safety Upgrades-UAA**

**\$1,230.2 GF  
\$1,230.2 TPC**

<u>Milestone</u>	<u>Start</u>	<u>Finish</u>
Scope	09/01	11/01
Design	11/01	01/02
Bid	03/02	05/02
Construction	04/02	09/02
Move-in	10/02	

The primary work consists of installing a fire sprinkler system and central fire alarm reporting system in the Templewood & Mac Housing Complex comprising of 20 separate apartment units and 6 stand-alone buildings.

Additional work is required to support this construction will include electrical upgrades and a new door locking and controls system.

**Water/Fire System-Code, R&R and DM-UAS**

**\$1,259.5 GF  
\$1,259.5 TPC**

<u>Milestone</u>	<u>Start</u>	<u>Finish</u>
Scope		02/01
Design	12/00	12/01
Bid	02/02	03/02
Construction	04/02	12/02
Move-in	N/A	

This project consists of the following:

1. Student Housing Fire and Domestic Water Pump Replacement– this project is required to maintain domestic water and fire sprinkler protection for the 52-unit apartment complex and the Banfield Hall dormitory. The current domestic water pumps and fire pump are located in a below-ground concrete vault under a public street. The vault is subject to flooding and poor ventilation, which are causing corrosion to all metal parts and structural components. A failure of this system would render all UAS student housing unusable until repairs or replacement could be made. The time to replace a damaged facility would exceed 90 to 120 days, which would present substantial logistical problems for UAS students.

**Ventilation Air for Fume Hoods-Arts Bldg.-UAA**

**\$200.0 GF  
\$200.0 TPC**

<u>Milestone</u>	<u>Start</u>	<u>Finish</u>
Scope	07/01	08/01
Design	08/01	10/01
Bid	11/02	01/02
Construction	02/02	06/02

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Move-in 06/02 06/02

This project will replace gas direct-fired ventilation makeup air unit serving lab areas in the Arts Building. The ventilation makeup air serves the ceramics lab, painting lab, photography lab, printmaking lab, and the sculpture lab. The existing makeup air unit is not currently in operation due to life-safety concerns. When the gas-fired unit ignites to warm outside air to replace the warm, inside air withdrawn from the building space through fume hoods, there is inadequate combustion air across the burners. As a result, there is incomplete combustion and carbon monoxide fumes enter the building space.

**B-Core Fire Suppression and Air Conditioning Replacement-UAA**

**\$440.0 GF**  
**\$440.0 TPC**

This project consists of the following items:

1. Install both gas and dry pipe water fire suppression systems to protect the main UAA telephone switch and networking equipment in the library basement. This room is the point of entry for all outside voice and data telecommunication services and houses critical UAA and vendor electronic telecommunications equipment. (\$400,000)
2. Install an air-conditioning system to replace the failing 20 year old unit. Failure of this system jeopardizes the entire campus telephone system and outside voice and data telecommunication services. (\$40,000)