

**Firefighting Engines and Equipment****FY2006 Request: \$500,000****Reference No: 37767****AP/AL:** Appropriation  
**Category:** Public Protection  
**Location:** Statewide**Project Type:** Renewal and Replacement**Contact:** Dan Spencer, Director, Administrative Services**House District:** Statewide (HD 1-40)**Contact Phone:** (907)465-5488**Estimated Project Dates:** 07/01/2004 - 06/30/2005**Brief Summary and Statement of Need:**

Purchase of two fire training engines and related equipment for the Fire Service Training offices in Fairbanks and Juneau. This request supports Division of Fire Prevention's mission to "prevent the loss of life and property from fire and explosion." This project will assist in providing firefighter training and certification to Alaska's emergency response agencies, and will in turn assist in the protection and prevention efforts of these responders at the local level.

<b>Funding:</b>	<b>FY2006</b>	<b>FY2007</b>	<b>FY2008</b>	<b>FY2009</b>	<b>FY2010</b>	<b>FY2011</b>	<b>Total</b>
Bond Funds	\$500,000						\$500,000
<b>Total:</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$500,000</b>

<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:	5,000	0
One-Time Startup:	0	
<b>Totals:</b>	<b>5,000</b>	<b>0</b>

**Additional Information / Prior Funding History:**

The present training vehicles were purchased in 1980. Since then no funding has been appropriated for this purpose

**Project Description/Justification:**

This project is for the purchase of two fire training engines for the Department of Public Safety fire training centers in Juneau and Fairbanks. The project also includes the related fire equipment that will be mounted on the engines. This requested project replaces two fire training engines which were purchased in 1980 and are no longer NFPA (National Fire Protection Association) compliant or suitable for training. The replacement of these engines and equipment is critical to the continuation of fire training program at both centers, and for the safety of firefighters and instructors involved in fire scenarios.

These units have far outlived their expected life span and are in need of significant repair. The cost to repair each of these units far outweighs the cost of the vehicle. These vehicles will be operated as a dry lease, with no replacement cost incurred through Department of Transportation. In addition, the yearly operating and maintenance costs for the vehicles will be borne by the Fire Service Training operating budget.

These vehicles are used on a daily basis to train firefighters and emergency responders from across the state. Students from municipal, industrial, and private fire organizations are taught how to operate a fire engine on the fire ground with these units. Additionally, the units provide firefighting capabilities to student firefighters as they practice fighting fires under training situations. At these training fires, the fire engines provide all of the equipment, hoses, and water, just as an engine would in an actual emergency situation. As such, it is critical that these units meet the same safety and operational standards as a fire engine that responds to fire calls within a community. Since these units are used to train

## Firefighting Engines and Equipment

**FY2006 Request: \$500,000**  
**Reference No: 37767**

future emergency apparatus operators who attend the fire training centers, it is also important that these units closely resemble the fire engines being purchased by local fire departments in Alaska.

It is expected that the operational life span of the vehicles will be approximately 20 years. Additionally, these vehicles will be used exclusively for training and will generally not be driven on the road system. As such, this capital project request will result in "department-owned" units, and will not be part of the standard Department of Transportation-managed "highway working capital fund" fleet.

### Project Budget

Item	Single Item Cost	Number of Items	Total Cost
Juneau Fire Engine & Equipment	\$250,000	1	\$250,000
Fairbanks Fire Engine & Equipment	\$250,000	1	\$250,000
		<b>Project Total:</b>	\$500,000

The above budget shows the cost per unit and the projected cost for the entire project. The unit cost is based on quotations received from various vendors. This projected cost includes the delivery of each unit. The projected impact to future year operating budgets is estimated to be approximately \$5,000 (about \$2,500 per year per unit). The yearly operating and maintenance costs for the vehicles will be paid from the Fire Service Training operating budget. There are no positions associated with this project.

Considerable time was spent researching other alternatives, but other funding sources were not found. Other equipment donations were also considered, however, most organizations do not surplus their fire engines until the units have far exceeded their projected life span. This was not considered a viable alternative. Additionally, older surplus units would not meet the present training safety standards and requirements. In short, fire departments are not going to surplus a fire engine until it is no longer a usable piece of equipment.