

Kodiak Launch Complex Range Safety System**FY2001 Request: \$9,500,000****Reference No: 32587****AP/AL:** Appropriation**Project Type:** Equipment**Category:** Development**Location:** Kodiak**Contact:** Laura Gould**House District:** Kodiak (HD 6)**Contact Phone:** (907)561-3338**Estimated Project Dates:** 07/01/2000 - 12/31/2001**Brief Summary and Statement of Need:**

The Alaska Aerospace Development Corporation will be acquiring a range safety system to support launch operations from the Kodiak Launch Complex (KLC). This system is new equipment to complement the existing KLC infrastructure. The system will enhance the state-of-the-art facility, making launch operations more cost effective and attracting a larger customer base.

| Funding: | <u>FY2001</u> | <u>FY2002</u> | <u>FY2003</u> | <u>FY2004</u> | <u>FY2005</u> | <u>FY2006</u> | <u>Total</u> |
|-----------------|--------------------|---------------|---------------|---------------|---------------|---------------|--------------------|
| Fed Rcpts | \$9,500,000 | | | | | | \$9,500,000 |
| Total: | \$9,500,000 | \$0 | \$0 | \$0 | \$0 | \$0 | \$9,500,000 |

| | | | | |
|-----------------------------------------------|------------------------------------------------------|---------------------------------------|---------------------------------------------|-----------------------------------|
| <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 | |
| Totals: | 0 | 0 |

Additional Information / Prior Funding History:**Project Description/Justification:**

-Purpose of the Appropriation

The Alaska Aerospace Development Corporation requests authority to receive \$9.5 million in federal receipts to fund the development and implementation of an on-site range safety system for the Kodiak Launch Complex (KLC).

There have been two successful launches from the KLC utilizing mobile range safety provided by KLC launch customers. Additionally, Lockheed Martin Corporation will utilize a mobile system for the launch of a NASA satellite in September 2000. While the KLC is a fully functional facility through use of such mobile systems, a permanent system will provide significant savings to KLC launch customers and attract a broader customer base. This system will also provide AADC an opportunity to increase its launch revenues by providing additional services.

This budget request is distinct from the KLC construction budget which consists of \$40 million in existing capital funding authority to complete construction of the Launch Control and Management Center, Payload Processing Facility, Integration Processing Facility/Spacecraft Assemblies Transfer Building and Launch Pad. The construction effort will be completed within AADC's current construction appropriation authority. AADC will commence activation of the completed facilities in February 2000 to accommodate the launch for Lockheed Martin Corporation in September.

-Project Funding History/Status

During the 1999 Legislative session, AADC anticipated receipt of an in-kind range safety system to complement the \$40 million

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launch complex. AADC, instead, expects receipt of the federal funds to directly manage the design and installation of the system.

AADC will continue to explore all potential sources of funding to develop support infrastructure to support the KLC and Alaska's aerospace industry.

-Site Description

Implementation of a range safety system will enhance the KLC infrastructure and provide a full complement of launch services for KLC customers. The KLC is located on Narrow Cape, Kodiak Island, on 3100 acres of state-owned land and will serve as a dual-use launch facility able to capture customers from both the private and government sectors. The facilities consist of a Launch Control and Management Center, Payload Processing Facility, Integration and Processing Facility, an Integrated Spacecraft Assembly and Transfer Facility, and a Launch Pad/Service Structure.

-Total Project Cost

This capital request represents full funding necessary to design, install and implement a permanent range safety system for the KLC. AADC estimates design and equipment costs to total \$9 million. Associated implementation and activation costs are expected to total \$500,000.

-Impact to operating budget

Approval of the range safety system appropriation will not impact either of AADC's FY2001 component operating budgets. Any additional operating costs associated with the safety system will be reflected in the FY2002 budget.