

Kodiak Launch Complex Deferred Maintenance

FY2015 Request: \$2,405,900

Reference No: 57114

AP/AL: Allocation

Project Type: Deferred Maintenance

Category: Public Protection

Location: Kodiak

House District: Kodiak/Cordova (HD 35)

Impact House District: Kodiak/Cordova (HD 35)

Contact: McHugh Pierre

Estimated Project Dates: 07/01/2014 - 06/30/2019

Contact Phone: (907)428-6003

Appropriation: Deferred Maintenance, Renewal, Repair and Equipment

Brief Summary and Statement of Need:

Deferred maintenance, renewal, and replacement project needs at the Kodiak Launch Complex work to ensure that Alaska's aerospace facilities meet current industry standards and address issues of life safety, energy use, protection of structure, and code compliance.

Funding:	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	Total
Gen Fund	\$2,405,900	\$1,028,000	\$1,024,300	\$937,800	\$993,400		\$6,389,400
Total:	\$2,405,900	\$1,028,000	\$1,024,300	\$937,800	\$993,400	\$0	\$6,389,400

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

Prior Funding History / Additional Information:

Sec1 Ch16 SLA2013 P70 L15 SB 18 \$400,000

Project Description/Justification:

Deferred maintenance projects at the Kodiak Launch Complex include: repair, replace, restore, upgrade, or refurbish drainage systems; heating, ventilation, and air conditioning (HVAC) units; generators; and flight safety systems; and communication components. The useful life of many of these items has been exceeded, can create health and safety issues, and no longer meet industry standards.

There have been changes in technology due to changes in industry requirements since the construction of Kodiak Launch Complex facilities. This has placed additional electronic equipment within the facility envelopes, creating higher than anticipated heat loads. Existing HVAC systems are no longer capable of maintaining proper temperature control and could potentially cause failure of equipment and sensitive electronic components. Additional ventilation is also needed for safety of personnel. The facility back-up power generator is mission critical and must be replaced to support the additional electrical load requirements during the ramp-up to flight countdown and lift-off.

Facility drainage systems and the structural integrity of access aprons are failing. Refurbishments of existing aprons are required to support the drainage of water run-off from foundations and entrances which are experiencing erosion and deterioration. The replacement of the large roll up

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door and floor drains at the Payload Processing Facility are required to meet industry standards of cleanliness and requirements of customer payload processing.

Flight safety systems are currently built on antiquated systems architecture that is no longer supported. Replacement of hardware and software is required to ensure the safety of range personnel, customers and the public.

Projects will improve personnel and customer safety, prolong facility life and reduce operational and maintenance costs. Priorities and cost estimates may need to be changed to accommodate emergency maintenance projects not listed, actual project costs, and other considerations.