

Reapprop to Department of Public Safety for Aircraft and Vessel Repair and Maintenance - NTE \$2,269,500 **FY2017 Request: \$0**
Reference No: 6121

AP/AL: Appropriation **Project Type:** Renewal and Replacement
Category: Law and Justice
Location: Statewide **House District:** Statewide (HD 1-40)
Impact House District: Statewide (HD 1-40) **Contact:** Kelly Howell
Estimated Project Dates: 06/30/2016 - 06/30/2020 **Contact Phone:** (907)269-5591

Brief Summary and Statement of Need:

The unexpended and unobligated balance, not to exceed \$2,269,500 of the estimated balance of \$3,619,500, of the appropriations made in sec. 1, ch. 17, SLA 2012, page 128, lines 19 – 21 (Department of Public Safety, P/V Woldstad – Engine Repower and Other Dry Dock Maintenance - \$2,400,000), and sec. 1, ch. 18, SLA 2014, page 60, lines 25 – 26 (Department of Public Safety, P/V Woldstad – Engine Repower and Other Dry Dock Maintenance – \$1,300,000) are reappropriated to the Department of Public Safety for aircraft and vessel repair and maintenance.

Funding:	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	Total
1004 Gen Fund							\$0
1197 AK Cap Inc							\$0
Total:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

<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 Ch18 SLA2014 P60 L17 SB119 \$800,000
 Sec1 Ch16 SLA2013 P74 L27 SB18 \$1,500,000
 Sec1 Ch17 SLA2012 P127 L29 SB160 \$869,800
 Sec1 Ch5 SLA2011 P95 L24 SB46 \$850,000
 Sec7 Ch43 SLA2010 P32 L14 SB230 \$850,000

Project Description/Justification:

Aircraft and Vessel Repair and Maintenance:

Many components of vessels and aircraft must be maintained or replaced routinely to ensure safe operating conditions and to comply with various safety regulations.

Aircraft Repairs:

This project allows for the annual replacement of worn-out or obsolete equipment, such as radios and landing gear. It provides funding for overhauls and repairs to department aircraft airframes and engines on an annual schedule. This is necessary to ensure the aircraft are airworthy, safe,

dependable, and in compliance with federal regulations.

The aircraft section is responsible for maintaining department aircraft, including maintenance and replacement of engines, propellers, airframes, and electronics, and for ensuring Federal Aviation Administration (FAA) requirements are met. Frequent maintenance, parts replacement, and re-fabrication are required. Maintaining a regularly scheduled overhaul and repair cycle for department aircraft is essential. Routine aircraft maintenance is especially critical as the time between airframe overhauls increase. Cessna aircraft and Piper Cubs should receive an overhaul of the airframe every seven years, especially when operating in a corrosive saltwater environment. In fresh water and inland areas, these airplanes should be overhauled every 14 years or 5,000 hours, whichever comes first. Any corrosion renders the aircraft no longer airworthy by manufacturers' standards and FAA regulations. Overhauling the airframes and landing gear extends the life of the equipment and ensures the safe structural condition of the aircraft.

Vessel Repairs:

This project allows for some of the needed repairs, conversions, servicing, and maintenance for department vessels to ensure their safe and dependable operations. Routine preventative and annually scheduled maintenance for vessels of all sizes is necessary and cost efficient. As the operational life of some of the vessels is extended, maintenance becomes critical to the safety of the vessels and the crew. This project allows for replacement of worn out or obsolete equipment such as marine radios, global positioning systems, engines, etc. This is necessary to ensure vessels are seaworthy, safe, dependable, and meet the needs of the public safety mission.

Alaska's fisheries are changing and the patrol emphasis for the smaller vessels is taking on expanded roles, including increased patrols relating to federal marine enforcement and homeland security concerns. The increasing demand in operations also affects small vessel maintenance needs. All vessels are used for commercial fisheries, sport fish, and big game hunting enforcement, and other trooper duties including search and rescue missions. Many of the larger vessels patrol the high seas all year, from southeast Alaska to the Kotzebue Sound, in all weather and sea conditions. To patrol these fisheries in safe and dependable vessels, the department must provide a planned, scheduled maintenance program.

Maintaining the fleet is an ongoing process requiring a forecast of needs based on prudent mariner practices, equipment manufacturer recommendations, and normal wear and tear. Deferred projects are weighed against newer concerns to determine the final priority listing for needed maintenance.

A list of aircraft and vessel repair and maintenance will be provided at a later date but will be based on projected needs. Changing circumstances, equipment failure, etc., may result in reallocation of funds within the aircraft and vessel fleet as needed. Operating personal services may be charged to this capital appropriation to coordinate and accomplish the repairs and maintenance needed.

FY2016 Aircraft Repairs

Project	Total Cost
King Air 350 & A-Star helicopter parts	180.5

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King Air 200 gear repairs	20.9
2 Aircraft engine overhauls	84.8
2 Piper Cub rebuilds	360.0
2 Piper Cub new engines	50.0
2 Cessna propeller overhauls	17.0
Paint aging Cessna Caravan	90.0
2 Re-wire Cessna 185 aircraft	60.2
2 Caravan legacy instrument panels	140.0
King Air 350 main wheels	30.0
King Air 350 starter generator	11.5
2 King Air 200 main wheels	27.0
King Air main gear actuator cylinder repair	13.3
2 Edo 2000 aircraft floats	40.0
Cost overage for rebuild for Super Cub	80.0
Total	1,205.2

FY2016 Vessel Repairs

Project	Total Cost
P/V Enforcer Maintenance Shipyard: Paint, Keel Cooler Repair, and new crane	475.0
Detachment vessel maintenance statewide	189.3
P/V Stimson crane replacement	200.0
Small vessel engine replacement	200.0
Total	1,064.3

Request: 2,269.5 UGF