

**Aircraft Maintenance and Repairs**

**FY2025 Request: \$1,900,000**

**Reference No: 65153**

**AP/AL:** Appropriation

**Project Type:** Life / Health / Safety

**Category:** Public Protection

**Location:** Statewide

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

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

**Contact:** Pam Halloran

**Estimated Project Dates:** 07/01/2024 - 06/30/2029

**Contact Phone:** (907)465-5501

**Brief Summary and Statement of Need:**

This annual project provides repairs and maintenance for the Department of Public Safety's (DPS) 44 aircraft. These assets are crucial tools used to achieve DPS mission to ensure public safety.

| <b>Funding:</b> | FY2025      | FY2026      | FY2027      | FY2028      | FY2029      | FY2030 | Total       |
|-----------------|-------------|-------------|-------------|-------------|-------------|--------|-------------|
| 1004 Gen Fund   | \$1,900,000 | \$1,400,000 | \$1,400,000 | \$1,400,000 | \$1,400,000 |        | \$7,500,000 |
| <b>Total:</b>   | \$1,900,000 | \$1,400,000 | \$1,400,000 | \$1,400,000 | \$1,400,000 | \$0    | \$7,500,000 |

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

**Prior Funding History / Additional Information:**

These funds will be used to overhaul/repair/purchase aircraft engines and components when they reach the limits of safe useful life. TThe current average age of a DPS aircraft is 42 years.

**Project Description/Justification:**

Most components of aircraft must be maintained or replaced routinely to ensure safe operating conditions and to comply with various safety regulations. This project allows for the annual replacement of worn-out obsolete equipment such as propellers, radios, and landing gear. It will provide for fuel system maintenance and replacement of deteriorating equipment, as well as 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, floats, avionics, and for ensuring Federal Aviation Administration (FAA) requirements are met. Frequent maintenance, parts replacement, modernization, and rejuvenation 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 increases. 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

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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.

Maintaining an aircraft fleet is an ongoing process requiring a forecast of needs based on prudent aviation 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.

The information below is based on projected maintenance needs. Changing circumstances, equipment failure, etc., may result in reallocation of funds within the aircraft as needed. Operating personal services may be charged to this capital appropriation to coordinate and accomplish the repairs and maintenance needed.

| <b>Project</b>   | <b>Total Cost<br/>FY2025</b> |
|--|------------------------------|
| King Air m350i Exterior Paint/Maintenance/Repairs      | \$1,900.0                    |
| Robinson R44 Raven 1 Overhaul                          | \$250.0                      |
| Continental Engine Overhaul                            | \$1,200.0                    |
| Lycoming Engine Overhaul                               | \$800.0                      |
| Automatic Dependent Surveillance Broadcast (ADS-B)     | \$350.0                      |
| Integrate Advanced Technologies into Existing Aircraft | \$1,000.0                    |
| 2-PA-18 Overhaul and Conformity Rebuild                | \$2,000.0                    |
| <b>Total</b>   | <b>\$7,500.0</b>             |