

**Crime Laboratory Equipment Replacement****FY2010 Request: \$50,000****Reference No: 45325**

**AP/AL:** Appropriation  
**Category:** Public Protection  
**Location:** Statewide

**Project Type:** Equipment / Commodities**Contact:** Dan Spencer, Director, Administrative Services**House District:** Statewide (HD 1-40)**Contact Phone:** (907)465-5488**Estimated Project Dates:** 07/01/2009 - 06/30/2010**Brief Summary and Statement of Need:**

This project will replace aging and outdated scientific testing equipment at the Scientific Crime Laboratory. In order to meet the laboratory's mission of assisting in the department's criminal investigations, the laboratory equipment must be routinely maintained and meet current standards.

<b>Funding:</b>	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	Total
Gen Fund	\$50,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$550,000
<b>Total:</b>	<b>\$50,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$550,000</b>

<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
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Additional Information / Prior Funding History:**

Sec 10, Ch 29, SLA 2008, P 74, L 18, \$100.0 GF

**Project Description/Justification:**

In order to perform the necessary analyses, the laboratory uses highly sophisticated and expensive scientific instruments (genetic analyzers, mass spectrometers). To ensure an uninterrupted and consistent level of service, the laboratory must plan to replace aging and outdated scientific instruments. The typical lifespan of scientific instruments is five to ten years, after which time manufacturers no longer provide support in the form of replacement parts and software updates. In order to meet the mission of entering profiles into CODIS and solving "no suspect" crimes, it is necessary to ensure that the laboratory has a stable capital equipment replacement program.

This request is intended as an annual request for ongoing laboratory equipment replacement. This project will provide funding for the following types of equipment: genetic analyzers, microscopes, and balances. Other types of equipment may be purchased if deemed more mission-critical than these items at the time of purchase.

One genetic analyzer is an older model (the first one purchased in the lab) and is no longer supported by the manufacturer. The replacement model is capable of analyzing 16 times more samples per an analysis. The implementation of HB90 (Chapter 24, SLA 2007) has increased the volume of samples needing analysis by 12,000 samples per year. The replacement of this older model analyzer

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will greatly increase the ability of the laboratory to analyze samples in a timely fashion, and meet the intent of HB90. The cost of a new genetic analyzer is \$160,000. The laboratory plans to use the \$100,000 capital equipment money in combination with a federal grant award to make the purchase. The federal award will be available February 2009 and ends January 2010.

If this equipment is not replaced, then the crime laboratory will not have sufficient capacity to analyze CODIS samples, resulting in large backlogs.