

Modernize Supply Inventory, Delivery Order, and Arms Databases

FY2008 Request: \$25,000
Reference No: 45316

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

Project Type: Information Systems
Contact: Dan Spencer, Director, Administrative Services

House District: Statewide (HD 1-40)
Estimated Project Dates: 04/13/2008 - 06/30/2009

Contact Phone: (907)465-5488

Brief Summary and Statement of Need:

These funds will be used to modernize the three databases the department uses to manage supply orders, contracts, and delivery orders, as well as track hundreds of AST, AWT, and Crime Lab inventory line items valued at well over several million dollars. The databases are used to ensure inventory is sufficient, gets where it is needed, and is properly disposed of when its useful life is complete. The existing databases are becoming more unreliable, reporting inaccuracies between the inventory system and the physical inventory, and as a result requiring significant staff time to do daily hand counts of stock to reconcile the computer records with stock on hand.

Funding:	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	Total
Gen Fund	\$25,000						\$25,000
Total:	\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000

<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	0
Totals:	0	0

Additional Information / Prior Funding History:

None.

Project Description/Justification:

Information Technology Capital Project Review Form FY2009

1. Has this project been previously approved? NO
2. What is the purpose of the project?

This project will convert three older databases used by Public Safety's supply section to an integrated SQL Server database. This will allow Public Safety to meet State of Alaska application standards. The funds would also be used to incorporate bar code technology to improve and streamline the supply section's ability to efficiently inventory guns, uniforms, laboratory evidence collection kits, and other stocked items. These include thousands of state confiscated weapons. This project will also improve the ability to track supply requisitions, vendor orders, and contracts as well

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as more effectively manage facility leases (including Alaska State Trooper housing), as well as small construction projects and other facility leases.

Project cost:	Capital:			Annual O&M costs or savings
	Prior Years	FY 2007	FY 2008	
General Funds			50,000	
General Fund Match				
General Fund Program Receipts				
I/A Receipts (dept. and fund source)				
Other Funds (name and fund number)				
Federal Funds				
Total			50,000	

3. Is this a new systems development project? NO

Upgrade or enhancement to existing department capabilities?

This project will convert three existing MS Access database to an integrated SQL Server database, and enhance the capability of the supply section to maintain and track their inventory of department equipment and supplies. They will also improve the ability to effectively manage supply requisitions, vendor orders, contracts, and facility leases.

4. Specifically, what hardware, software, consulting services, or other items will be purchased with this expenditure? (Include a line item breakdown.)

- \$ 5,000 System assessment and integration design planning
- \$ 5,000 Bar-coding equipment (including scanners and label printers)
- \$15,000 Programming services
- \$25,000 Data migration/archiving, troubleshooting, system training, and documentation

5. How will service to the public measurably improve if this project is funded?

Public Safety's supply section provides supply and equipment support services to internal department customers (troopers, Crime Lab employees), as well as to other statewide law enforcement and criminal justice agencies such as Department of Corrections, Department of Transportation, Village Public Safety Officers, and police agencies. A more reliable and user-friendly database will reduce out-of-stock situations by allowing more frequent and smaller vendor orders for resupply.

Law enforcement customers will not have to follow-up on their orders because staff will have more time to provide direct customer services instead of physically counting inventory. Customer order wait times will be reduced when staff can ship orders more frequently. Shipping costs will be reduced since an automated inventory system will make it easier to determine supply levels in enough time to place orders for cheaper shipping methods.

6. Does project affect the way in which other public agencies will conduct their business?

Improving the accuracy and reliability of this statewide law enforcement logistics support system will allow agencies to operate more efficiently because they will have a higher degree of confidence that supplies will be available when needed. They can focus on their mission instead of tracking their supply requests.

7. What are the potential out-year cost implications if this project is approved? (Bandwidth requirements, etc.)

Replacement costs for bar-coding equipment and software maintenance costs are expected to be minimal and will be funded out of existing operating funds.

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It is expected that overall department expenses for information technology staff to support the older databases will be decreased by modernizing to the SQL database.

8. What will happen if the project is not approved?

One example involves inventory of state confiscated weapons (estimated at 2,000) and a planned trade-in contract of these weapons for new Glock pistols for troopers. There is a significant discrepancy between the database information and the actual weapons contained in the inventory. The weapons trade-in will be delayed while staff must conduct a manual reconciliation and inventory.

Adding bar code capabilities to the section would dramatically improve the efficiency at stocking department items. For example, trooper uniforms are now ordered annually because of pricing and extended order lead-time (at nine months, currently). The section can receive up to 3,000 garments for this annual order in about 175 different sizes. Manual receiving of orders, physical inspection, back-order shipments, and warehouse storage can take weeks to complete. Bar code capability can greatly streamline this effort.

If this project is not funded, customer support services will continue to be negatively impacted due to ongoing manual inventory methods.