

ENROLLED ORDINANCE 165-47

MODIFY THE 2010 CAPITAL BUDGET TO CREATE PROJECT 201009
FBI/CJIS SECURITY AUDIT COMPLIANCE

WHEREAS in May 2009 the Federal Bureau of Investigations (FBI) conducted a security audit of the Waukesha County Sheriff's Department mobile data computers and the use of those computers to access the Wisconsin Justice Information System (WJIS) and the Federal Justice Information System, and

WHEREAS the audit identified several areas that required attention, including the need for advanced authentication to ensure that the officer accessing the information is authorized to view that information, and, to ensure the mobile data computers are current with the security patches issued by the hardware and software vendors, and

WHEREAS if the Waukesha County Sheriff's Department does not comply with the FBI audit recommendations, it could face sanctions or be denied access to the Wisconsin Justice Information System (WJIS) and the Federal Criminal Justice Information System (CJIS) which is utilized daily by all officers to perform record checks, conduct investigations, enter information for law enforcement dissemination, etc, and

WHEREAS the most efficient and cost effective way to comply with the audit is to implement server based advanced authentication and to utilize cellular air cards to transmit hardware and software security patches, and

WHEREAS the mobile data computers were scheduled for replacement in 2010, and it would be economical and efficient to install the mobile data computer replacements at a time and in a manner that will result in compliance with the FBI audit.

THE COUNTY BOARD OF SUPERVISORS OF THE COUNTY OF WAUKESHA ORDAINS that the 2010 Capital Budget be modified to create capital project 201009 FBI/CJIS Security Audit Compliance with appropriated expenditures of \$383,000 and revenues of \$197,000 from accrued mobile data computer replacement funding, End User Technology Fund Balance of \$123,800 and Asset Forfeiture Fund Balance of \$62,200.

FISCAL NOTE

MODIFY 2010 CAPITAL BUDGET TO CREATE PROJECT 201009 FBI/CJIS SECURITY AUDIT COMPLIANCE

This ordinance modifies the 2010 capital budget to create new capital project 201009 FBI/CJIS Security Audit Compliance with project expenditures of \$383,000. The project will implement cellular-based network infrastructure, address advanced authentication software, upgrade the mobile datalink and replace the mobile data computers (MDC) to comply with the FBI security audit.

The ordinance appropriates fund balance of \$383,000 generated from prior revenues resulting in no new tax levy impact. This includes funds accrued over the life of the MDC's in the End User Technology Fund (EUTF) to fund the planned replacements for \$197,000 as it will be used in this capital project. Enhanced communication equipment will be funded with Sheriff Asset Forfeiture funds of \$62,200. Remaining project costs will be funded with EUTF fund balance of \$123,800.

On going operating annual costs total \$47,500, including pre-paid costs, cellular air card usage fees, software maintenance fees and future equipment replacements. Future replacement charges through the EUTF fund will be phased over the life of the equipment and are estimated at \$19,000. The Sheriff Department has included cellular air card usage fees and software costs of \$26,000 in the 2011 proposed budget. The remaining infrastructure maintenance fee of \$2,900 is prepaid as part of the equipment purchase.



Lawrence M. Dahl
Accounting Services Manager

9/2/10

LGW

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Project #	201009	Project Title:	FBI/CJIS Security Audit Compliance
Department:	WSD/DOA	Sponsor:	WSD
Phase:		Manager:	Michael Biagioli
Date:	August 31, 2010		

CAPITAL BUDGET SUMMARY			
Year	2010	2011	Total
Project Phase	Engineering Installation	Completion	Project
Expenditure Budget	\$383,000	\$0	\$383,000
Revenue Budget	<u>\$383,000</u>	<u>\$0</u>	<u>\$383,000</u>
Net County Cost	\$0	\$0	\$0
COST DOCUMENTATION		REVENUE	
Hardware	\$292,700	EUTF Accrued MDC Replacement	\$197,000
Software	\$90,300	EUTF Fund Balance	\$123,800
		Sheriff Asset Forfeiture	\$62,200
Total Project Cost	\$383,000	Total Revenue	\$383,000
EXPENDITURE BUDGET	\$383,000	REVENUE BUDGET	\$383,000

Project Scope & Description

A Security audit of the technology environment that links the Sheriff Department Mobile Data Computers (MDC) installed in each patrol car with the State of Wisconsin Justice Information System (WJIS) and the Federal Justice Information System was conducted by the FBI in May 2009. The audit identified several shortcomings that require immediate attention:

1. Advanced Authentication must be implemented that will insure that the officer using the MDC is truly that officer and that he/she is authorized to access information from these sources.
2. Each MDC must be kept current with all security patches issued by all software and hardware vendors. These patches and upgrades must be applied and a log of these actions must be kept.
3. The State of Wisconsin Department of Justice – Office of Justice Assistance is requiring that Racial Profiling reports be submitted beginning January 1, 2011, through the TRaCS system.

In order to comply with these security requirements, the Waukesha County Sheriff's Department in conjunction with DOA's Information Technology Division and the Department of Emergency Preparedness, have determined that the following actions be taken:

- Automate the transmittal and installation of software/hardware security patches through the implementation of a cellular-based network infrastructure consisting of:
 - Cellular Air-Card hardware/software
 - Squad car routers to boost the cellular signal, condition the power, provide remote management of the MDC
 - Servers and server-base software to support the link between the Routers and MDCs that will manage the security link with the State/Federal systems and produce reports as required.

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- Address the advanced authentication requirements through the following solution:
 - Server-based individual authentication software that will match the officer-issued security USB device with the master database.
 - Purchase a sufficient quantity of USB individual officer devices for Sheriff Department sworn officer staff.
- Upgrade of the IPMobileNet / Datalink to meet compliance requirements.
- Since all MDCs are now scheduled for replacement, all these security enhancement should be coordinated with the installation of the new MDCs to avoid hardware/software-related issues.

Location

This project will impact the Waukesha County Sheriff's Department and Emergency Preparedness.

Analysis of Need

Compliance with these security issues is required for the Sheriff's Department to continue to access these Justice System databases.

Alternatives

Security patches could be manually applied by contracted PC support technicians. This would have to be done on a monthly basis, require that each squad be out of commission for the timeframe that would be required to complete the security patch (approximately 4 hours per MDC) at an estimated annual cost of \$180,000.

There is no logical or fiscally reasonable alternative to the issuance of the issued USB devices and the associated server-base software.

<u>Ongoing Operating Costs – WSD</u>	<u>Annual</u>
Cellular Air Card usage fee	\$19,200
Router software support	\$9,400
Increase in EUTF Charge	\$9,600
TRaCS Mobile Interface	\$3,800
Secure ID system	\$2,600
<u>NetMotion Mobility Maintenance</u>	<u>\$2,900</u>
Total Ongoing Operating Costs	\$47,500

Previous Action

No previous action

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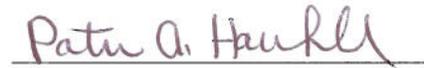
Presented by:
Executive Committee

Approved by: Judiciary &
Law Enforcement Committee

Approved by:
Finance Committee


James T. Dwyer, Chair

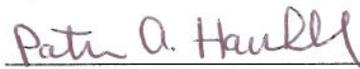

Jean Tortomasi, Chair

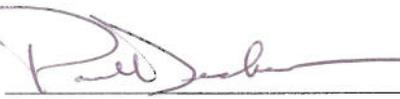

Patricia A. Haukohl, Chair

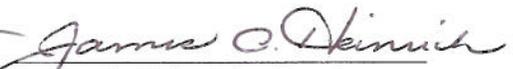

Janel Brandtjen


Kathleen M. Cummings


Dave Falstad


Patricia A. Haukohl


Paul L. Decker


James A. Heinrich

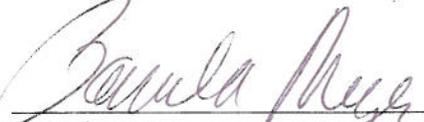

Duane E. Paulson


Dave Falstad


Robert Hutton

<ABSENT>
Fritz Ruf

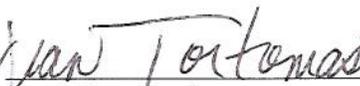

Steven C. Wimmer


Pamela Meyer

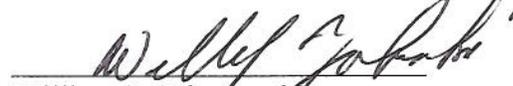

David W. Swan

<ABSENT>
Peter M. Wolff

absent
Ted Rolfs


Jean Tortomasi


William J. Zaborowski


William J. Zaborowski

The foregoing legislation adopted by the County Board of Supervisors of Waukesha County, Wisconsin, was presented to the County Executive on:

Date: 10/1/10, 
Kathy Nickolaus, County Clerk

The foregoing legislation adopted by the County Board of Supervisors of Waukesha County, Wisconsin, is hereby:

Approved:
Vetoed:
Date: 10-6-10, 
Daniel P. Vrakas, County Executive

WAUKESHA COUNTY BOARD OF SUPERVISORS

V

DATE-09/28/10

(ORD) NUMBER-1650048

1 D. FALSTAD.....AYE
3 R. HUTTON.....AYE
5 J. JESKEWITZ.....AYE
7 P. HAUKOHL.....AYE
9 J. HEINRICH.....AYE
11 F. RUF.....AYE
13 P. DECKER.....AYE
15 P. MEYERS.....AYE
17 J. TORTOMASI.....AYE
19 S. WIMMER.....AYE
21 W. ZABOROWSKI.....AYE
23 K. CHIAVEROTTI....AYE
25 G. YERKE.....AYE

2 T. ROLFS.....
4 J. DWYER.....AYE
6 J. BRANDTJEN.....AYE
8 T. SCHELLINGER....AYE
10 D. SWAN.....AYE
12 P. WOLFF.....AYE
14 M. INDA.....AYE
16 D. PAULSON.....AYE
18 K. CUMMINGS.....AYE
20 P. JASKE.....AYE
22 P. GUNDRUM.....AYE
24 W. KOLB.....AYE

TOTAL AYES-24

TOTAL NAYS-00

CARRIED_____

DEFEATED_____

UNANIMOUS X

TOTAL VOTES-24